PEDROLLO®


PEDROLLO®
the spring of life

PEDROLLO S.p.A.
Via Enrico Fermi 7
37047 San Bonifacio (Verona) ITALIA
Capitale Sociale € 100,000,000.00

Founded in 1974

tel. +39 045 6136311
fax +39 045 7612253

sales@pedrollo.com
www.pedrollo.com

Follow us on:

www.pedrollo4people.com

Facebook
PedrolloCorporate
Pedrollo4People

Instagram

Linkedin

YouTube

Vimeo

STANDARD VERSIONS

VOLTAGES

- Single-phase: **230 V – 50 Hz** with built-in thermal overload protector.
- Three-phase up to 4 kW and 4 poles three-phase: **230/400 V – 50 Hz**.
- Three-phase from 5.5 kW: **400/690 V – 50 Hz**.

PERFORMANCE AND ENERGY EFFICIENCY

- **Pumps fitted with the three-phase option are equipped with high efficiency motors**

Power P2	Class of efficiency (IEC 60034-30-1)
Up to 0.55 kW	IE2
From 0.60 to 75 kW	**IE3**

- **The electric water pumps which comply with EU rule N. 547/2012 have a minimum efficiency index of MEI≥0.40**

SPECIAL VERSIONS

- Pumps with other options: voltages or 60 Hz frequency.
- Pumps with special mechanical seals suitable for use with other liquids.
- Surface pumps with IP X5 grade protection.
- Submersible pumps without float switch.

SPECIAL WINDINGS ON REQUEST

- 110 V - 50 Hz (Single-phase)
- 240 V - 50 Hz (Single-phase)
- 110 V - 60 Hz (Single-phase)
- 220 V - 60 Hz (Single-phase)
- 110/220 V - 60 Hz (Single-phase)
- 240/415 V - 50 Hz (Three-phase)
- 220/380 V - 60 Hz (Three-phase)

CERTIFICATION AND TRADEMARKS

CONTENTS

CONTENTS

PK PUMPS WITH PERIPHERAL IMPELLER

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
PKm 60	41PNK60A1	0.37	0.50		5 – **40**	38 – 5		
PKm 60 - MD	41PNK63A1	0.37	0.50		5 – **50**	19 – 2		
PKm 65	41PNK67A1	0.55	0.75		5 – **50**	50 – 8	**1"**	**1"**
PKm 70	41PM71A1	0.60	0.85		5 – **50**	62 – 18		
PKm 80	41PM81A1	0.75	1	–	5 – **50**	66 – 22		
PKm 90	41PM901A1	0.75	1		5 – **40**	82 – 5	**¾"**	**¾"**
PKm 100	41PM9117A1	1.1	1.5		5 – **70**	80 – 15		
PKm 200	41PM9217A1	1.5	2		5 – **80**	86 – 10	**1"**	**1"**
PKm 300	41PM9317A1	2.2	3		5 – **90**	95 – 10		
Three-phase								
PK 60	41PNK60A	0.37	0.50		5 – **40**	38 – 5		
PK 60 - MD	41PNK63A	0.37	0.50	**IE2**	5 – **50**	19 – 2		
PK 65	41PNK67A	0.55	0.75		5 – **50**	50 – 8	**1"**	**1"**
PK 70	41PT71A	0.60	0.85		5 – **50**	62 – 18		
PK 80	41PT81A	0.75	1		5 – **50**	66 – 22		
PK 90	41PT901A	0.75	1	**IE3**	5 – **40**	82 – 5	**¾"**	**¾"**
PK 100	41PT9117A	1.1	1.5		5 – **70**	80 – 15		
PK 200	41PT9217A	1.5	2		5 – **80**	86 – 10	**1"**	**1"**
PK 300	41PT9317A	2.2	3		5 – **90**	95 – 10		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impeller: brass
- Motor bracket: Patent n. IT1243605
- Pump body: Patent n. 0000275946 (PK60, PK65)
- Registered EU Design n. 008802466
- PKm 60® Registered trade mark n. 009875394

PQ PUMPS WITH PERIPHERAL IMPELLER

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
PQm 60	41PNQ60A1	0.37	0.50		5 – **40**	38 – 5	**1"**	**1"**
PQm 61	41PNQ63A1	0.37	0.50		2 – **33**	38 – 5	**½"**	**½"**
PQm 65	41PNQ67A1	0.55	0.75		5 – **50**	50 – 8		
PQm 70	41PQ70A1	0.60	0.85		5 – **50**	62 – 18	**1"**	**1"**
PQm 80	41PQ80A1	0.75	1	–	5 – **50**	66 – 22		
PQm 90	41PQ90A1	0.75	1		5 – **40**	82 – 5	**¾"**	**¾"**
PQm 100	41PQ917A1	1.1	1.5		5 – **70**	80 – 15		
PQm 200	41PQ927A1	1.5	2		5 – **80**	86 – 10	**1"**	**1"**
PQm 300	41PQ937A1	2.2	3		5 – **90**	95 – 10		
Three-phase								
PQ 60	41PNQ60A	0.37	0.50		5 – **40**	38 – 5	**1"**	**1"**
PQm 61	41PNQ63A1	0.37	0.50	**IE2**	2 – **33**	38 – 5	**½"**	**½"**
PQ 65	41PNQ67A	0.55	0.75		5 – **50**	50 – 8		
PQ 70	41PQT70A	0.60	0.85		5 – **50**	62 – 18	**1"**	**1"**
PQ 80	41PQT80A	0.75	1		5 – **50**	66 – 22		
PQ 90	41PQT90A	0.75	1	**IE3**	5 – **40**	82 – 5	**¾"**	**¾"**
PQ 100	41PQT917A	1.1	1.5		5 – **70**	80 – 15		
PQ 200	41PQT927A	1.5	2		5 – **80**	86 – 10	**1"**	**1"**
PQ 300	41PQT937A	2.2	3		5 – **90**	95 – 10		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impeller: brass
- Motor bracket: Patent n. IT1243605
- PQm 60® Registered trade mark n. 0001520591

PKS SELF-PRIMING PUMPS WITH PERIPHERAL IMPELLER

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
PKSm 60	41PNKS60A1	0.37	0.50	–	5 – **40**	38 – 5	**1"**	**1"**
PKSm 65	41PNKS67A1	0.55	0.75		5 – **50**	50 – 8		
PKSm 70	41PMA71A1	0.60	0.85		5 – **50**	62 – 18		
PKSm 80	41PMA81A1	0.75	1		5 – **50**	66 – 22		
Three-phase								
PKS 60	41PNKS60A	0.37	0.50	**IE2**	5 – **40**	38 – 5	**1"**	**1"**
PKS 65	41PNKS67A	0.55	0.75		5 – **50**	50 – 8		
PKS 70	41PTA71A	0.60	0.85	**IE3**	5 – **50**	62 – 18		
PKS 80	41PTA81A	0.75	1		5 – **50**	66 – 22		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impeller: brass
- Check valve: built in
- Motor bracket: Patent n. IT1243605

SELF-PRIMING PUMPS

CKR SELF-PRIMING LIQUID RING PUMPS

Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
CKRm 80	46CKER80A1	0.55	0.75	–	5 – **50**	46 – 10	**1"**	**1"**
CKRm 90	46CKER90A1	0.75	1		5 – **50**	49 – 13		
Three-phase								
CKR 80	46CKER80A	0.55	0.75	**IE3**	5 – **50**	46 – 10	**1"**	**1"**
CKR 90	46CKER90A	0.75	1		5 – **50**	49 – 13		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- **Pump body: cast iron, with stainless steel insert**
- Impeller: brass
- Motor bracket: Patent n. IT1243605
- Registered EU Design n. 342159-0008

CKR = special version with double anti-seize inserts

CK SELF-PRIMING LIQUID RING PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
CKm 50	46CKM55A1	0.37	0.50	–	5 – **40**	31 – 5	¾"	¾"
CKm 80	46CKE80A1	0.55	0.75		5 – **50**	46 – 10	**1"**	**1"**
CKm 90	46CKE90A1	0.75	1		5 – **50**	49 – 13		
CKm 50 - BP (*)	46CKM56A1	0.25	0.33	–	5 – **40**	20 – 5	¾"	¾"
Three-phase								
CK 50	46CKT55A	0.37	0.50	**IE2**	5 – **40**	31 – 5	¾"	¾"
CK 80	46CKE80A	0.55	0.75	**IE3**	5 – **50**	46 – 10	**1"**	**1"**
CK 90	46CKE90A	0.75	1		5 – **50**	49 – 13		
CK 50 - BP (*)	46CKT56A	0.25	0.33	**IE2**	5 – **40**	20 – 5	¾"	¾"

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impeller: brass
- Motor bracket: Patent n. IT1243605
- Registered EU Design n. 342159-0008 (CK 80-90)

(*) Water pump with bypass that limits maximum dynamic head to 20 metres

We recommend using the CKm 50-BP or the CK 50-BP pump in combination with the NZ dispensing nozzle and the MT1 flow meter (see ACCESSORIES on page 97)

PQ-PRO PUMPS WITH PERIPHERAL IMPELLER

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
PQm 81-PRO	41PQ88A1	0.45	0.60	–	2 – **17**	70 – 6	**½"**	**½"**
Three-phase								
PQ 81-PRO	41PQT88A	0.45	0.60	**IE3**	2 – **17**	70 – 6	**½"**	**½"**

▲ Three phase motor efficiency class (IEC 60034-30-1)

- **Pump body in cast iron with an anti-block treatment**
- Impeller: brass

PQ-Bs PRO PUMPS WITH PERIPHERAL IMPELLER

Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
PQm 81-Bs PRO	–	0.45	0.60	–	2 – **20**	80 – 10	**½"**	**½"**
Three-phase								
PQ 81-Bs PRO	–	0.45	0.60	**IE3**	2 – **20**	80 – 10	**½"**	**½"**

▲ Three phase motor efficiency class (IEC 60034-30-1)

- **Pump body in forged brass**
- Impeller: brass

PQ-Bs PUMPS WITH PERIPHERAL IMPELLER

Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
PQm 60-Bs	41PNQ60YA1	0.37	0.50	–	2 – **40**	43 – 5	**1"**	**1"**
PQm 65-Bs	41PNQ67YA1	0.55	0.75		2 – **50**	54 – 8		
PQm 81-Bs	41PQ86YA1	0.45	0.60		2 – **17**	70 – 6	**½"**	**½"**
Three-phase								
PQ 60-Bs	41PNQ60YA	0.37	0.50	**IE3**	2 – **40**	43 – 5	**1"**	**1"**
PQ 65-Bs	41PNQ67YA	0.55	0.75		2 – **50**	54 – 8		
PQ 81-Bs	41PQT86YA	0.45	0.60		2 – **17**	70 – 6	**½"**	**½"**

▲ Three phase motor efficiency class (IEC 60034-30-1)

- **Pump body in forged brass**
- Impeller: brass

PQA PUMPS WITH PERIPHERAL IMPELLER

Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
PQAm 50	41PNQA5PA1	0.25	0.33	–	2 – **28**	25 – 6	**½"**	**½"**
PQAm 60	41PNQA6PA1	0.37	0.50		2 – **32**	38 – 5		
PQAm 70	41PQA71PA1	0.55	0.75		2 – **45**	65 – 10		
PQAm 72	41PQA7PA1	0.55	0.75		5 – **50**	65 – 12	**1"**	**1"**
PQAm 90	41PQA9PA1	0.75	1		2 – **38**	86 – 6	**½"**	**½"**
Three-phase								
PQA 50	41PNQA5PA	0.25	0.33	**IE3**	2 – **28**	25 – 6	**½"**	**½"**
PQA 60	41PNQA6PA	0.37	0.50		2 – **32**	38 – 5		
PQA 70	41PQAT71PA	0.55	0.75		2 – **45**	65 – 10		
PQA 72	41PQAT7PA	0.55	0.75		5 – **50**	65 – 12	**1"**	**1"**
PQA 90	41PQAT9PA	0.75	1		2 – **38**	86 – 6	**½"**	**½"**

▲ Three phase motor efficiency class (IEC 60034-30-1)

- **Pump body in PPS technopolymer with threaded brass inserts**
- Impeller: brass
- Front cover of the pump body: forged brass

PV PERIPHERAL PUMPS WITH BRASS PUMP BODY

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
PVm 55 (*)	41PNV55A1N	0.18	0.25	–	2 – **10**	35 – 5	¼"	¼"
PVm 60	41PNV60A1	0.37	0.50		2 – **33**	41 – 6	½"	½"
PVm 81	41PNV81A1	0.37	0.50		2 – **17**	75 – 6		
PVm 65	41PNV65A1	0.60	0.85		2 – **40**	55 – 7		
PVm 70	41PNV70A1	0.90	1.20		2 – **45**	70 – 7	¾"	¾"
PVm 90	41PNV90A1	0.90	1.20		2 – **36**	98 – 7		
Three-phase								
PV 55 (*)	41PNV55AN	0.18	0.25	IE3	2 – **10**	35 – 5	¼"	¼"
PV 60	41PNV60A	0.37	0.50		2 – **33**	41 – 6	½"	½"
PV 81	41PNV81A	0.37	0.50		2 – **17**	75 – 6		
PV 65	41PNV65A	0.60	0.85		2 – **40**	55 – 7		
PV 70	41PNV70A	0.90	1.20		2 – **45**	70 – 7	¾"	¾"
PV 90	41PNV90A	0.90	1.20		2 – **36**	98 – 7		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: forged brass with side-by side suction and discharge ports
- Impeller: brass

● **Version on request with rotating pump body feature**

(*) **The PVm55 and PV55 are also designed to work at 60 Hz** with the **following performances**	**Q** l/min	**H** m
	2 – **10**	46 – 10

PQ3000-MF PUMP WITH PERIPHERAL IMPELLER

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Three-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
PQ 3000-MF	41PQT948A5	2.2	3	IE3	5 – **50**	180 – 50	¾"	¾"

▲ Three phase motor efficiency class (IEC 60034-30-1)

● **Pump body and protective cover in AISI 316 cast stainless steel**
- **Impeller: bronze**

PQ3000 PUMP WITH PERIPHERAL IMPELLER

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Three-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
PQ 3000	41PQT949A5	2.2	3	IE3	5 – **50**	180 – 50	¾"	¾"

▲ Three phase motor efficiency class (IEC 60034-30-1)

● **Pump body in cast iron with anti-block treatment**
- **Impeller: bronze**

CP-ST4 (AISI 304)

CP-ST4 STAINLESS STEEL AISI 304 CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
CPm 100-ST4	44CP100IA1	0.25	0.33	–	10 – **90**	15.5 – 6.5	**1¼"**	**1"**
CPm 130-ST4	44CP130IA1	0.37	0.50		10 – **100**	21.5 – 9		
CPm 132-ST4	44CP132IA1	0.55	0.75		20 – **120**	23 – 12		
CPm 150-ST4	44CP150IA1	0.75	1		20 – **150**	31 – 14		
CPm 158-ST4	44CP158IA1	0.75	1		10 – **120**	35.5 – 19		
CPm 170-ST4	44CP170IA1	1.1	1.5		10 – **140**	40 – 20		
CPm 170M-ST4	44CP170MIA1	1.1	1.5		20 – **160**	35.5 – 19		
CPm 180-ST4	44CP180IA1	1.1	1.5		40 – **230**	30 – 13		
CPm 190-ST4	44CP190IA1	1.5	2		40 – **250**	35 – 15.5		
CPm 200-ST4	44CP200IA1	2.2	3		40 – **270**	43 – 18		
Three-phase								
CP 100-ST4	44CP100IA	0.25	0.33	**IE2**	10 – **90**	15.5 – 6.5	**1¼"**	**1"**
CP 130-ST4	44CP130IA	0.37	0.50		10 – **100**	21.5 – 9		
CP 132-ST4	44CP132IA	0.55	0.75		20 – **120**	23 – 12		
CP 150-ST4	44CP150IA	0.75	1		20 – **150**	31 – 14		
CP 158-ST4	44CP158IA	0.75	1		10 – **120**	35.5 – 19		
CP 170-ST4	44CP170IA	1.1	1.5	**IE3**	10 – **140**	40 – 20		
CP 170M-ST4	44CP170MIA	1.1	1.5		20 – **160**	35.5 – 19		
CP 180-ST4	44CP180IA	1.1	1.5		40 – **230**	30 – 13		
CP 190-ST4	44CP190IA	1.5	2		40 – **250**	35 – 15.5		
CP 200-ST4	44CP200IA	2.2	3		40 – **270**	43 – 18		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: **AISI 304 stainless steel**
- Impeller: **AISI 304 stainless steel**
- Shaft: **AISI 431 stainless steel**

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

CP-ST6 (AISI 316L)

CP-ST6 STAINLESS STEEL AISI 316L CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
CPm 100-ST6	44CP100I16A1	0.25	0.33	–	10 – **90**	15.5 – 6.5	**1¼"**	**1"**
CPm 130-ST6	44CP130I16A1	0.37	0.50		10 – **100**	21.5 – 9		
CPm 132-ST6	44CP132I16A1	0.55	0.75		20 – **120**	23 – 12		
CPm 150-ST6	44CP150I16A1	0.75	1		20 – **150**	31 – 14		
CPm 158-ST6	44CP158I16A1	0.75	1		10 – **120**	35.5 – 19		
CPm 170-ST6	44CP170I16A1	1.1	1.5		10 – **140**	40 – 20		
CPm 170M-ST6	44CP170MI16A1	1.1	1.5		20 – **160**	35.5 – 19		
CPm 180-ST6	44CP180I16A1	1.1	1.5		40 – **230**	30 – 13		
CPm 190-ST6	44CP190I16A1	1.5	2		40 – **250**	35 – 15.5		
CPm 200-ST6	44CP200I16A1	2.2	3		40 – **270**	43 – 18		
Three-phase								
CP 100-ST6	44CP100I16A	0.25	0.33	**IE2**	10 – **90**	15.5 – 6.5	**1¼"**	**1"**
CP 130-ST6	44CP130I16A	0.37	0.50		10 – **100**	21.5 – 9		
CP 132-ST6	44CP132I16A	0.55	0.75		20 – **120**	23 – 12		
CP 150-ST6	44CP150I16A	0.75	1		20 – **150**	31 – 14		
CP 158-ST6	44CP158I16A	0.75	1		10 – **120**	35.5 – 19		
CP 170-ST6	44CP170I16A	1.1	1.5	**IE3**	10 – **140**	40 – 20		
CP 170M-ST6	44CP170MI16A	1.1	1.5		20 – **160**	35.5 – 19		
CP 180-ST6	44CP180I16A	1.1	1.5		40 – **230**	30 – 13		
CP 190-ST6	44CP190I16A	1.5	2		40 – **250**	35 – 15.5		
CP 200-ST6	44CP200I16A	2.2	3		40 – **270**	43 – 18		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: **AISI 316L stainless steel**
- Impeller: **AISI 316L stainless steel**
- Shaft: **AISI 316L stainless steel**

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

CP CENTRIFUGAL PUMPS

MODEL			POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	■	kW	HP	▲	l/min	m	DN1	DN2
CPm 100	44CI00A1	1	0.25	0.33	–	10 – **60**	15 – 7	**1"**	**1"**
CPm 130	44CI03A1		0.37	0.50		10 – **80**	22 – 14		
CPm 132	44CI04A1		0.55	0.75		20 – **120**	22.5 – 12		
CPm 150	44CI160A1		0.75	1		20 – **120**	29 – 15		
CPm 158	44CI16A1		0.75	1		10 – **90**	34 – 25		
CPm 170	44CI175A1		1.1	1.5		30 – **120**	38 – 22	**1¼"**	**1"**
CPm 170M	44CI17MA1		1.1	1.5		30 – **160**	35 – 19		
CPm 190	44CI19A1		1.5	2		30 – **140**	46 – 26		
CPm 200	44CI20A1		2.2	3		30 – **150**	55 – 36		
CPm 160C	44CM26CA1	1	1.1	1.5		50 – **200**	31 – 20	**1½"**	**1"**
CPm 160B	44CM26BA1		1.5	2		50 – **220**	36 – 23		
CPm 210C	44CM27CA1	2	2.2	3		50 – **250**	45.5 – 27		
CPm 220C	44CM216C1A1		2.2	3		50 – **550**	34 – 14	**2"**	**2"**
Three-phase									
CP 100	44CIT00A	1	0.25	0.33	**IE2**	10 – **60**	15 – 7	**1"**	**1"**
CP 130	44CIT03A		0.37	0.50	**IE3**	10 – **80**	22 – 14		
CP 132	44CIT04A		0.55	0.75		20 – **120**	22.5 – 12		
CP 150	44CIT160A		0.75	1		20 – **120**	29 – 15		
CP 158	44CIT16A		0.75	1		10 – **90**	34 – 25		
CP 170	44CIT175A		1.1	1.5		30 – **120**	38 – 22	**1¼"**	**1"**
CP 170M	44CIT17MA		1.1	1.5		30 – **160**	35 – 19		
CP 190	44CIT19A		1.5	2		30 – **140**	46 – 26		
CP 200	44CIT20A		2.2	3		30 – **150**	55 – 36		
CP 160C	44CT26CA	1	1.1	1.5		50 – **200**	31 – 20	**1½"**	**1"**
CP 160B	44CT26BA		1.5	2		50 – **220**	36 – 23		
CP 160A	44CT26AA		2.2	3		50 – **240**	42 – 26		
CP 210C	44CT27CA	2	2.2	3		50 – **250**	45.5 – 27		
CP 210B	44CT27BA		3	4		50 – **270**	53 – 34		
CP 210A	44CT27AA		4	5.5		50 – **280**	61 – 40		
CP 220C	44CT216C7A	2	2.2	3	**IE3**	50 – **550**	34 – 14	**2"**	**2"**
CP 220B	44CT216B1A		3	4		50 – **550**	38 – 18		
CP 220A	44CT216AA		4	5.5		50 – **600**	48.5 – 25		
CP 220AH	44CT217HAE		5.5	7.5		50 – **600**	54.5 – 33		
CP 230C	44CT217C1A		3	4		100 – **850**	29.5 – 9		
CP 230B	44CT217BA		4	5.5		100 – **900**	38.5 – 13		
CP 230A	44CT217AE		5.5	7.5		100 – **900**	45.5 – 15		
CP 250B	44CP250BNE	3	7.5	10		100 – **800**	57 – 31		
CP 250A	44CP250ANE		11	15		100 – **900**	76 – 45		

■ Impeller: 1=AISI 304 stainless steel; 2=brass; 3=cast iron ▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Protection: IP X5 for CP 220, CP 230, CP 250
- Registered EU Design n. 002098434 (CP 100÷210, CP 250)
- Registered Italian Design n. 72753 (CP 220÷230)
- CPm 158® Registered trade mark n. 0001516350

2CP CENTRIFUGAL TWIN-IMPELLER PUMPS

MODEL			POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	■	kW	HP	▲	l/min	m	DN1	DN2
2CPm 25/130N	452CM130A1	1	0.75	1	–	20 – **100**	39 – 15	**1¼"**	**1"**
2CPm 25/14B	452CM2616BA1	2	1.1	1.5		20 – **100**	52 – 22		
2CPm 25/14A	452CM2616AA1		1.5	2		20 – **100**	65 – 32		
2CPm 25/16C	452CM2614CA1		1.1	1.5		20 – **120**	46 – 24		
2CPm 25/16B	452CM2614BA1		1.5	2		20 – **140**	56 – 30		
2CPm 25/16A	452CM2614AA1		2.2	3		20 – **160**	67 – 32		
Three-phase									
2CP 25/130N	452CT130A	1	0.75	1	IE3	20 – **100**	39 – 15	**1¼"**	**1"**
2CP 25/14B	452CT2616BA	2	1.1	1.5		20 – **100**	52 – 22		
2CP 25/14A	452CT2616AA		1.5	2		20 – **100**	65 – 32		
2CP 25/16C	452CT2614CA		1.1	1.5		20 – **120**	46 – 24		
2CP 25/16B	452CT2614BA		1.5	2		20 – **140**	56 – 30		
2CP 25/16A	452CT2614AA		2.2	3		20 – **160**	67 – 32		
2CP 32/200C	452CT303CA		3	4		40 – **250**	67 – 36	**1½"**	**1¼"**
2CP 32/200B	452CT313BA		4	5.5		40 – **250**	81 – 49		
2CP 32/210B	452CT343BE		5.5	7.5		40 – **250**	94 – 56	**2"**	
2CP 32/210A	452CT353AE		7.5	10		40 – **250**	111 – 74		
2CP 40/180C	452CT383CA		4	5.5		100 – **350**	63 – 35	**2"**	**1½"**
2CP 40/180B	452CT393BE		5.5	7.5		100 – **400**	78 – 42		
2CP 40/180A	452CT403AE		7.5	10		100 – **450**	90 – 48		
2CP 40/200B	452CT420BE		9.2	12.5		100 – **450**	95 – 61		
2CP 40/200A	452CT420AE		11	15		100 – **450**	105 – 71		

■ Impeller:: 1=AISI 304 stainless steel; 2=brass ▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron

Impellers in **Noryl**

2-5CP MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
2CPm 80	43CPN277AA1	0.37	0.50		5 – **70**	26 – 5		
3CPm 80	43CPN382A1	0.45	0.60		5 – **80**	38 – 5		
4CPm 80	43CPN283A1	0.55	0.75	–	5 – **80**	50 – 10	**1"**	**1"**
3CPm 100	43CPN384A1	0.55	0.75		5 – **120**	37 – 5		
4CPm 100	43CPN286A1	0.75	1		5 – **130**	50 – 5		
Three-phase								
2CP 80	43CPN277AA	0.37	0.50		5 – **70**	26 – 5		
3CP 80	43CPN382A	0.45	0.60	**IE2**	5 – **80**	38 – 5		
4CP 80	43CPN283A	0.55	0.75		5 – **80**	50 – 10	**1"**	**1"**
3CP 100	43CPN384A	0.55	0.75		5 – **120**	37 – 5		
4CP 100	43CPN286A	0.75	1	**IE3**	5 – **130**	50 – 5		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impellers: Noryl
- Registered EU Design n. 002073635-0001

Impellers in **AISI 304 stainless steel**

VERSIONS WITH AISI 304 STAINLESS STEEL IMPELLERS

Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
2CPm 80-I	43CP08I2A1	0.37	0.50		5 – **70**	26 – 5		
3CPm 80-I	43CP08I3A1	0.45	0.60		5 – **80**	38 – 5		
4CPm 80-I	43CP08I4A1	0.55	0.75		5 – **80**	50 – 10		
5CPm 80-I	43CP08I5A1	0.75	1	–	5 – **80**	66 – 12	**1"**	**1"**
3CPm 100-I	43CP10I3A1	0.55	0.75		5 – **120**	37 – 5		
4CPm 100-I	43CP10I4A1	0.75	1		5 – **130**	50 – 5		
5CPm 100-I	43CP10I5A1	1.1	1.5		5 – **130**	62 – 8		
Three-phase								
2CP 80-I	43CP08I2A	0.37	0.50		5 – **70**	26 – 5		
3CP 80-I	43CP08I3A	0.45	0.60	**IE2**	5 – **80**	38 – 5		
4CP 80-I	43CP08I4A	0.55	0.75		5 – **80**	50 – 10		
5CP 80-I	43CP08I5A	0.75	1	**IE3**	5 – **80**	66 – 12	**1"**	**1"**
3CP 100-I	43CP10I3A	0.55	0.75	**IE2**	5 – **120**	37 – 5		
4CP 100-I	43CP10I4A	0.75	1		5 – **130**	50 – 5		
5CP 100-I	43CP10I5A	1.1	1.5	**IE3**	5 – **130**	62 – 8		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impellers: **AISI 304 stainless steel**
- Registered EU Design n. 002073635-0001

Impellers in **AISI 304 stainless steel**

2-5CR MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
2CRm 80	43CR08I2A1	0.37	0.50		5 – **70**	26 – 5		
3CRm 80	43CR08I3A1	0.45	0.60		5 – **80**	38 – 5		
4CRm 80	43CR08I4A1	0.55	0.75		5 – **80**	50 – 10		
5CRm 80	43CR08I5A1	0.75	1	–	5 – **80**	66 – 12	**1"**	**1"**
3CRm 100	43CR10I3A1	0.55	0.75		5 – **120**	37 – 5		
4CRm 100	43CR10I4A1	0.75	1		5 – **130**	50 – 5		
5CRm 100	43CR10I5A1	1.1	1.5		5 – **130**	62 – 8		
Three-phase								
2CR 80	43CR08I2A	0.37	0.50		5 – **70**	26 – 5		
3CR 80	43CR08I3A	0.45	0.60	**IE2**	5 – **80**	38 – 5		
4CR 80	43CR08I4A	0.55	0.75		5 – **80**	50 – 10		
5CR 80	43CR08I5A	0.75	1	**IE3**	5 – **80**	66 – 12	**1"**	**1"**
3CR 100	43CR10I3A	0.55	0.75	**IE2**	5 – **120**	37 – 5		
4CR 100	43CR10I4A	0.75	1	**IE3**	5 – **130**	50 – 5		
5CR 100	43CR10I5A	1.1	1.5		5 – **130**	62 – 8		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: **AISI 304 stainless steel**
- Impellers: **AISI 304 stainless steel**

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

Impellers in **Noryl**

VERSIONS WITH TECHNOPOLYMER IMPELLERS

Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
2CRm 80X	43CR08N2A1	0.37	0.50		5 – **70**	26 – 5		
3CRm 80X	43CR08D3A1	0.45	0.60		5 – **80**	38 – 5		
4CRm 80X	43CR08D4A1	0.55	0.75	–	5 – **80**	50 – 10	**1"**	**1"**
3CRm 100X	43CR10D3A1	0.55	0.75		5 – **120**	37 – 5		
4CRm 100X	43CR10D4A1	0.75	1		5 – **130**	50 – 5		
Three-phase								
2CR 80X	43CR08N2A	0.37	0.50		5 – **70**	26 – 5		
3CR 80X	43CR08D3A	0.45	0.60	**IE2**	5 – **80**	38 – 5		
4CR 80X	43CR08D4A	0.55	0.75		5 – **80**	50 – 10	**1"**	**1"**
3CR 100X	43CR10D3A	0.55	0.75		5 – **120**	37 – 5		
4CR 100X	43CR10D4A	0.75	1	**IE3**	5 – **130**	50 – 5		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body**: AISI 304 stainless steel**
- Impellers: Noryl

Impellers in **AISI 304 stainless steel**

Flanges in **AISI 304 stainless steel**
(on request)

FCR STAINLESS STEEL MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
FCRm 80/2	–	0.37	0.50		5 – **70**	26 – 5		
FCRm 80/3	–	0.45	0.60		5 – **80**	38 – 5		
FCRm 80/4	–	0.55	0.75		5 – **80**	50 – 10		
FCRm 80/5	–	0.75	1	–	5 – **80**	66 – 12	**1"**	**1"**
FCRm 100/3	–	0.55	0.75		5 – **120**	37 – 5		
FCRm 100/4	–	0.75	1		5 – **130**	50 – 5		
FCRm 100/5	–	1.1	1.5		5 – **130**	62 – 8		
FCRm 90/5	43CRI0905A1	1.1	1.5		5 – **90**	78 – 38		
FCRm 90/6	43CRI0906A1	1.5	2		5 – **90**	94 – 45		
FCRm 90/7	43CRI0907A1	1.8	2.5		5 – **90**	110 – 53		
FCRm 130/3	43CRI1303A1	1.1	1.5		5 – **130**	49 – 24		
FCRm 130/4	43CRI1304A1	1.5	2		5 – **130**	65 – 31		
FCRm 130/5	43CRI1305A1	1.8	2.5	–	5 – **130**	81 – 39	**1¼"**	**1"**
FCRm 130/6	43CRI1306A1	2.2	3		5 – **130**	97 – 46		
FCRm 200/3	43CRI2003A1	1.1	1.5		20 – **200**	43 – 13		
FCRm 200/4	43CRI2004A1	1.5	2		20 – **200**	57 – 17		
FCRm 200/5	43CRI2005A1	1.8	2.5		20 – **200**	71 – 22		
FCRm 200/6	43CRI2006A1	2.2	3		20 – **200**	85 – 26		
Three-phase								
FCR 80/2	–	0.37	0.50		5 – **70**	26 – 5		
FCR 80/3	–	0.45	0.60	**IE2**	5 – **80**	38 – 5		
FCR 80/4	–	0.55	0.75		5 – **80**	50 – 10		
FCR 80/5	–	0.75	1	**IE3**	5 – **80**	66 – 12	**1"**	**1"**
FCR 100/3	–	0.55	0.75	**IE2**	5 – **120**	37 – 5		
FCR 100/4	–	0.75	1	**IE3**	5 – **130**	50 – 5		
FCR 100/5	–	1.1	1.5		5 – **130**	62 – 8		
FCR 90/5	43CRI0905A	1.1	1.5		5 – **90**	78 – 38		
FCR 90/6	43CRI0906A	1.5	2		5 – **90**	94 – 45		
FCR 90/7	43CRI0907A	1.8	2.5		5 – **90**	110 – 53		
FCR 130/3	43CRI1303A	1.1	1.5		5 – **130**	49 – 24		
FCR 130/4	43CRI1304A	1.5	2		5 – **130**	65 – 31		
FCR 130/5	43CRI1305A	1.8	2.5	**IE3**	5 – **130**	81 – 39	**1¼"**	**1"**
FCR 130/6	43CRI1306A	2.2	3		5 – **130**	97 – 46		
FCR 200/3	43CRI2003A	1.1	1.5		20 – **200**	43 – 13		
FCR 200/4	43CRI2004A	1.5	2		20 – **200**	57 – 17		
FCR 200/5	43CRI2005A	1.8	2.5		20 – **200**	71 – 22		
FCR 200/6	43CRI2006A	2.2	3		20 – **200**	85 – 26		
FCR 15/2	43FCR0152A	3	4		50 – **400**	47 – 18		
FCR 15/3	43FCR0153A	4	5.5	**IE3**	50 – **400**	70 – 27	**2½"**	**2"**
FCR 15/4	43FCR0154E	5.5	7.5		50 – **400**	94 – 36		
FCR 15/5	43FCR0155E	7.5	10		50 – **400**	117 – 45		
FCR 30/2	43FCR0302A	4	5.5		100 – **800**	39 – 8		
FCR 30/3	43FCR0303E	5.5	7.5	**IE3**	100 – **800**	58.5 – 12	**2½"**	**2"**
FCR 30/4	43FCR0304E	7.5	10		100 – **800**	78 – 16		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: **AISI 304 stainless steel**
- Impellers: **AISI 304 stainless steel**

OPTIONS AVAILABLE ON REQUEST

- Version with technopolymer impeller for FCR 80-90-100-130-200
- WRAS certified electric waterpump

MK MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
MKm 3/3	43PM0303A1	0.75	1	–	10 – **80**	51.5 – 29	**1¼"**	**1"**
MKm 3/5	43PM0305A1	1.1	1.5		10 – **80**	85 – 48		
MKm 3/6	43PM0306A1	1.5	2		10 – **80**	103 – 58		
MKm 5/4	43PM0504A1	0.75	1		20 – **120**	54 – 17		
MKm 5/5	43PM0505A1	1.1	1.5		20 – **120**	67.5 – 21.5		
MKm 5/7	43PM0507A1	1.5	2		20 – **120**	95 – 30		
MKm 5/8	43PM0508A1	2.2	3		20 – **120**	108 – 34		
MKm 8/4	43PM0804A1	1.1	1.5		40 – **180**	53.5 – 12		
MKm 8/5	43PM0805A1	1.5	2		40 – **180**	67 – 15.5		
MKm 8/6	43PM0806A1	2.2	3		40 – **180**	80 – 18.5		
Three-phase								
MK 3/3	43PM0303A	0.75	1	IE3	10 – **80**	51.5 – 29	**1¼"**	**1"**
MK 3/5	43PM0305A	1.1	1.5		10 – **80**	85 – 48		
MK 3/6	43PM0306A	1.5	2		10 – **80**	103 – 58		
MK 5/4	43PM0504A	0.75	1		20 – **120**	54 – 17		
MK 5/5	43PM0505A	1.1	1.5		20 – **120**	67.5 – 21.5		
MK 5/7	43PM0507A	1.5	2		20 – **120**	95 – 30		
MK 5/8	43PM0508A	2.2	3		20 – **120**	108 – 34		
MK 8/4	43PM0804A	1.1	1.5		40 – **180**	53.5 – 12		
MK 8/5	43PM0805A	1.5	2		40 – **180**	67 – 15.5		
MK 8/6	43PM0806A	2.2	3		40 – **180**	80 – 18.5		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron and AISI 304 stainless steel
- Impellers: Noryl
- Threaded flange kit for suction and discharge ports on request

HT MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS (PN10)	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
HTm 3/5	–	1.1	1.5	–	5 – **90**	78 – 38	**DN25 1"**	**DN25 1"**
HTm 3/6	–	1.5	2		5 – **90**	94 – 45		
HTm 3/7	–	1.8	2.5		5 – **90**	110 – 53		
HTm 5/3	–	1.1	1.5		5 – **130**	49 – 24	**DN32 1¼"**	**DN32 1¼"**
HTm 5/4	–	1.5	2		5 – **130**	65 – 31		
HTm 5/5	–	1.8	2.5		5 – **130**	81 – 39		
HTm 5/6	–	2.2	3		5 – **130**	97 – 46		
HTm 8/3	–	1.1	1.5		20 – **200**	43 – 13	**DN40 1½"**	**DN40 1½"**
HTm 8/4	–	1.5	2		20 – **200**	57 – 17		
HTm 8/5	–	1.8	2.5		20 – **200**	71 – 22		
HTm 8/6	–	2.2	3		20 – **200**	85 – 26		
Three-phase								
HT 3/5	–	1.1	1.5	IE3	5 – **90**	78 – 38	**DN25 1"**	**DN25 1"**
HT 3/6	–	1.5	2		5 – **90**	94 – 45		
HT 3/7	–	1.8	2.5		5 – **90**	110 – 53		
HT 5/3	–	1.1	1.5		5 – **130**	49 – 24	**DN32 1¼"**	**DN32 1¼"**
HT 5/4	–	1.5	2		5 – **130**	65 – 31		
HT 5/5	–	1.8	2.5		5 – **130**	81 – 39		
HT 5/6	–	2.2	3		5 – **130**	97 – 46		
HT 8/3	–	1.1	1.5		20 – **200**	43 – 13	**DN40 1½"**	**DN40 1½"**
HT 8/4	–	1.5	2		20 – **200**	57 – 17		
HT 8/5	–	1.8	2.5		20 – **200**	71 – 22		
HT 8/6	–	2.2	3		20 – **200**	85 – 26		
HT 15/2	–	3	4	IE3	50 – **400**	47 – 18	**DN50 2"**	**DN50 2"**
HT 15/3	–	4	5.5		50 – **400**	70 – 27		
HT 15/4	–	5.5	7.5		50 – **400**	94 – 36		
HT 15/5	–	7.5	10		50 – **400**	117 – 45		
HT 30/2	–	4	5.5	IE3	100 – **800**	39 – 8	**DN65 2½"**	**DN65 2½"**
HT 30/3	–	5.5	7.5		100 – **800**	58.5 – 12		
HT 30/4	–	7.5	10		100 – **800**	78 – 16		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: **cast iron**
- Impellers and diffusers: **AISI 304 stainless steel**

HT-PRO STAINLESS STEEL MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS (PN10)	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
HTm 3/5 - PRO	–	1.1	1.5	–	5 – **90**	78 – 38	**DN25**	**DN25**
HTm 3/6 - PRO	–	1.5	2		5 – **90**	94 – 45		
HTm 3/7 - PRO	–	1.8	2.5		5 – **90**	110 – 53		
HTm 5/3 - PRO	–	1.1	1.5		5 – **130**	49 – 24	**DN32**	**DN32**
HTm 5/4 - PRO	–	1.5	2		5 – **130**	65 – 31		
HTm 5/5 - PRO	–	1.8	2.5		5 – **130**	81 – 39		
HTm 5/6 - PRO	–	2.2	3		5 – **130**	97 – 46		
HTm 8/3 - PRO	–	1.1	1.5		20 – **200**	43 – 13	**DN40**	**DN40**
HTm 8/4 - PRO	–	1.5	2		20 – **200**	57 – 17		
HTm 8/5 - PRO	–	1.8	2.5		20 – **200**	71 – 22		
HTm 8/6 - PRO	–	2.2	3		20 – **200**	85 – 26		

Three-phase								
HT 3/5 - PRO	–	1.1	1.5	IE3	5 – **90**	78 – 38	**DN25**	**DN25**
HT 3/6 - PRO	–	1.5	2		5 – **90**	94 – 45		
HT 3/7 - PRO	–	1.8	2.5		5 – **90**	110 – 53		
HT 5/3 - PRO	–	1.1	1.5		5 – **130**	49 – 24	**DN32**	**DN32**
HT 5/4 - PRO	–	1.5	2		5 – **130**	65 – 31		
HT 5/5 - PRO	–	1.8	2.5		5 – **130**	81 – 39		
HT 5/6 - PRO	–	2.2	3		5 – **130**	97 – 46		
HT 8/3 - PRO	–	1.1	1.5		20 – **200**	43 – 13	**DN40**	**DN40**
HT 8/4 - PRO	–	1.5	2		20 – **200**	57 – 17		
HT 8/5 - PRO	–	1.8	2.5		20 – **200**	71 – 22		
HT 8/6 - PRO	–	2.2	3		20 – **200**	85 – 26		
HT 15/2 - PRO	–	3	4	IE3	50 – **400**	47 – 18	**DN50**	**DN50**
HT 15/3 - PRO	–	4	5.5		50 – **400**	70 – 27		
HT 15/4 - PRO	–	5.5	7.5		50 – **400**	94 – 36		
HT 15/5 - PRO	–	7.5	10		50 – **400**	117 – 45		
HT 30/2 - PRO	–	4	5.5	IE3	100 – **800**	39 – 8	**DN65**	**DN65**
HT 30/3 - PRO	–	5.5	7.5		100 – **800**	58.5 – 12		
HT 30/4 - PRO	–	7.5	10		100 – **800**	78 – 16		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: **AISI 304 stainless steel**
- Impellers and diffusers: **AISI 304 stainless steel**

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

SELF-PRIMING "JET" PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
FUTURE JETm 1C	46FJ001CA1	0.37	0.50	–	5 – **90**	30.5 – 3.5	**1"**	**1"**
FUTURE JETm 1B	46FJ001BA1	0.48	0.65		5 – **95**	36 – 5.5		
FUTURE JETm 1A	46FJ001AA1	0.55	0.75		5 – **100**	44 – 9		
FUTURE JETm 2C	46FJ002CA1	0.75	1	–	5 – **120**	47 – 6	**1"**	**1"**
FUTURE JETm 2B	46FJ002BA1	0.90	1.25		5 – **120**	51 – 9		
FUTURE JETm 2A	46FJ002AA1	1.1	1.5		5 – **120**	55 – 13		
Three-phase								
FUTURE JET 1C	46FJ001CA	0.37	0.50	**IE2**	5 – **90**	30.5 – 3.5	**1"**	**1"**
FUTURE JET 1B	46FJ001BA	0.48	0.65		5 – **95**	36 – 5.5		
FUTURE JET 1A	46FJ001AA	0.55	0.75	**IE3**	5 – **100**	44 – 9		
FUTURE JET 2C	46FJ002CA	0.75	1	**IE3**	5 – **120**	47 – 6	**1"**	**1"**
FUTURE JET 2B	46FJ002BA	0.90	1.25		5 – **120**	51 – 9		
FUTURE JET 2A	46FJ002AA	1.1	1.5		5 – **120**	55 – 13		

▲ Three phase motor efficiency class (IEC 60034-30-1)

Patented

Impeller in **AISI 304 stainless steel**

- Pump body: cast iron
- Impeller: **AISI 304 stainless steel**

FUTURE JET, which has an internationally filed patent, is able to obtain the same pressure as a classic JET whilst at the same time **doubling its capacity** and achieving a reduction in energy consumption of up to 50%.

- **Energy savings up to 50%**
- **Reduction of turbulence for a very stable operation of the pump**
- **A better power/flow ratio**

VERSIONS WITH TECHNOPOLYMER IMPELLER

Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
FUTURE JETm 2CX	46FJ102CA1	0.75	1	–	5 – **120**	47 – 6	**1"**	**1"**
FUTURE JETm 2BX	46FJ102BA1	0.90	1.25		5 – **120**	51 – 9		
FUTURE JETm 2AX	46FJ102AA1	1.1	1.5		5 – **120**	55 – 13		
Three-phase								
FUTURE JET 2CX	46FJ102CA	0.75	1	**IE3**	5 – **120**	47 – 6	**1"**	**1"**
FUTURE JET 2BX	46FJ102BA	0.90	1.25		5 – **120**	51 – 9		
FUTURE JET 2AX	46FJ102AA	1.1	1.5		5 – **120**	55 – 13		

▲ Three phase motor efficiency class (IEC 60034-30-1)

Patented

Impeller in **Noryl**

- Pump body: cast iron
- Impeller: Noryl
- Registered EU Design n. 002218610
- European Patent n. PCT/IT2019/050168
- FUTURE JET® Registered trade mark n. 018198453

OPTIONS AVAILABLE ON REQUEST

- **FUTURE JET 1** pumps with technopolymer impeller

Impeller in **AISI 304 stainless steel**

JSW SELF-PRIMING "JET" PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
JSWm 1C	46JSN1CA1	0.37	0.50	–	5 – **60**	30 – 10	**1"**	**1"**
JSWm 1B	46JSN1BA1	0.48	0.65		5 – **60**	35.5 – 13		
JSWm 1A	46JSN1AA1	0.55	0.75		5 – **60**	43 – 17		
JSWm 2C	46JSN7A10A1	0.75	1	–	5 – **70**	47 – 20	**1"**	**1"**
JSWm 2B	46JSN7A12A1	0.90	1.25		5 – **70**	51 – 24		
JSWm 2A	46JSN7A15A1	1.1	1.5		5 – **70**	55 – 28		
JSWm 2AH	46JSN7AH15A1	1.1	1.5		5 – **45**	65 – 32		
JSWm 3CH	46JS8AH05A1	1.1	1.5	–	10 – **80**	55 – 30	**1¼"**	**1"**
JSWm 3BH	46JS8AH10A1	1.5	2		10 – **80**	68 – 38		
JSWm 3AH	46JS8AH15A1	2.2	3		10 – **80**	88 – 52		
JSWm 3CM	46JS8AM05A1	1.1	1.5		20 – **120**	46 – 20		
JSWm 3BM	46JS8AM10A1	1.5	2		20 – **120**	56 – 30		
JSWm 3AM	46JS8AM15A1	2.2	3		20 – **120**	70 – 40		
JSWm 3CL	46JS8AL05A1	1.1	1.5		30 – **160**	39 – 14		
JSWm 3BL	46JS8AL10A1	1.5	2		30 – **160**	46 – 24		
JSWm 3AL	46JS8AL15A1	2.2	3		30 – **160**	58 – 36		
Three-phase								
JSW 1C	46JSN1CA	0.37	0.50	IE2	5 – **60**	30 – 10	**1"**	**1"**
JSW 1B	46JSN1BA	0.48	0.65		5 – **60**	35.5 – 13		
JSW 1A	46JSN1AA	0.55	0.75	IE3	5 – **60**	43 – 17		
JSW 2C	46JSN7A10A	0.75	1	IE3	5 – **70**	47 – 20	**1"**	**1"**
JSW 2B	46JSN7A12A	0.90	1.25		5 – **70**	51 – 24		
JSW 2A	46JSN7A15A	1.1	1.5		5 – **70**	55 – 28		
JSW 2AH	46JSN7AH15A	1.1	1.5		5 – **45**	65 – 32		
JSW 3CH	46JS8AH05A	1.1	1.5	IE3	10 – **80**	55 – 30	**1¼"**	**1"**
JSW 3BH	46JS8AH10A	1.5	2		10 – **80**	68 – 38		
JSW 3AH	46JS8AH15A	2.2	3		10 – **80**	88 – 52		
JSW 3CM	46JS8AM05A	1.1	1.5		20 – **120**	46 – 20		
JSW 3BM	46JS8AM10A	1.5	2		20 – **120**	56 – 30		
JSW 3AM	46JS8AM15A	2.2	3		20 – **120**	70 – 40		
JSW 3CL	46JS8AL05A	1.1	1.5		30 – **160**	39 – 14		
JSW 3BL	46JS8AL10A	1.5	2		30 – **160**	46 – 24		
JSW 3AL	46JS8AL15A	2.2	3		30 – **160**	58 – 36		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impeller: **AISI 304 stainless steel**

Impeller in **Noryl**

VERSIONS WITH TECHNOPOLYMER IMPELLER

Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
JSWm 2CX	46JSNP7A10A1	0.75	1	–	5 – **70**	47 – 20	**1"**	**1"**
JSWm 2BX	46JSNP7A12A1	0.90	1.25		5 – **70**	51 – 24		
JSWm 2AX	46JSNP7A15A1	1.1	1.5		5 – **70**	55 – 28		
Three-phase								
JSW 2CX	46JSNP7A10A	0.75	1	IE3	5 – **70**	47 – 20	**1"**	**1"**
JSW 2BX	46JSNP7A12A	0.90	1.25		5 – **70**	51 – 24		
JSW 2AX	46JSNP7A15A	1.1	1.5		5 – **70**	55 – 28		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impeller: Noryl
- Registered EU Design n. 002218610
- Europ\ean Patent n. 1 510 696 (JSW 1, JSW 2)
- JSW Registered trade mark n. 013073135

OPTIONS AVAILABLE ON REQUEST

- **JSW1** pumps with technopolymer impeller

SELF-PRIMING "JET" PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
FUTURE JETm 1C-ST	46FJ201CA1	0.37	0.50	–	5 – **90**	30.5 – 3.5	**1"**	**1"**
FUTURE JETm 1B-ST	46FJ201BA1	0.48	0.65		5 – **95**	36 – 5.5		
FUTURE JETm 1A-ST	46FJ201AA1	0.55	0.75		5 – **100**	44 – 9		
FUTURE JETm 2C-ST	46FJ202CA1	0.75	1	–	5 – **120**	47 – 6		
FUTURE JETm 2B-ST	46FJ202BA1	0.90	1.25		5 – **120**	51 – 9		
FUTURE JETm 2A-ST	46FJ202AA1	1.1	1.5		5 – **120**	55 – 13		
Three-phase								
FUTURE JET 1C-ST	46FJ201CA	0.37	0.50	**IE2**	5 – **90**	30.5 – 3.5	**1"**	**1"**
FUTURE JET 1B-ST	46FJ201BA	0.48	0.65		5 – **95**	36 – 5.5		
FUTURE JET 1A-ST	46FJ201AA	0.55	0.75	**IE3**	5 – **100**	44 – 9		
FUTURE JET 2C-ST	46FJ202CA	0.75	1		5 – **120**	47 – 6		
FUTURE JET 2B-ST	46FJ202BA	0.90	1.25	**IE3**	5 – **120**	51 – 9		
FUTURE JET 2A-ST	46FJ202AA	1.1	1.5		5 – **120**	55 – 13		

▲ Three phase motor efficiency class (IEC 60034-30-1)

Impellers in **AISI 304 stainless steel**

- Pump body: **AISI 304 stainless steel**
- Impeller: **AISI 304 stainless steel**
- European Patent n. PCT/IT2019/050168
- FUTURE JET® Registered trade mark n. 018198453

FUTURE JET, which has an internationally filed patent, is able to obtain the same pressure as a classic JET whilst at the same time **doubling its capacity** and achieving a reduction in energy consumption of up to 50%.

- **Energy savings up to 50%**
- **Reduction of turbulence for a very stable operation of the pump**
- **A better power/flow ratio**

JCR SELF-PRIMING "JET" PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
JCRm 1C	46JCN1C0A1	0.37	0.50	–	5 – **60**	30 – 10	**1"**	**1"**
JCRm 1B	46JCN1B0A1	0.48	0.65		5 – **60**	35.5 – 13		
JCRm 1A	46JCN1A0A1	0.55	0.75		5 – **60**	43 – 17		
JCRm 2C	46JCR2A10A1	0.75	1	–	5 – **70**	47 – 19		
JCRm 2B	46JCR2A12A1	0.90	1.25		5 – **70**	52 – 23		
JCRm 2A	46JCR2A15A1	1.1	1.5		5 – **70**	56 – 27		
JCRm 2CL	46JCR2A16A1	0.75	1		5 – **85**	36 – 12		
Three-phase								
JCR 1C	46JCN1C0A	0.37	0.50	**IE2**	5 – **60**	30 – 10	**1"**	**1"**
JCR 1B	46JCN1B0A	0.48	0.65		5 – **60**	35.5 – 13		
JCR 1A	46JCN1A0A	0.55	0.75	**IE3**	5 – **60**	43 – 17		
JCR 2C	46JCR2A10A	0.75	1		5 – **70**	47 – 19		
JCR 2B	46JCR2A12A	0.90	1.25		5 – **70**	52 – 23		
JCR 2A	46JCR2A15A	1.1	1.5	**IE3**	5 – **70**	56 – 27		
JCR 2CL	46JCR2A16A	0.75	1		5 – **85**	36 – 12		

▲ Three phase motor efficiency class (IEC 60034-30-1)

Impellers in **AISI 304 stainless steel**

- Pump body: **AISI 304 stainless steel**
- Impeller: **AISI 304 stainless steel**
- European Patent n. 1 510 696

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

MAGNIFICA®

RESIDENTIAL SWIMMING POOLS

PUBLIC SWIMMING POOLS

SELF-PRIMING PUMPS FOR SWIMMING POOLS

MODEL		POWER P_2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
MAGNIFICA 1m	43MA011A1	0.55	0.75	–	100 – **350**	13.5 – 4	**2"**	**2"**
MAGNIFICA 2m	43MA021A1	0.75	1		100 – **400**	16 – 4.5		
MAGNIFICA 3m	43MA031A1	1.1	1.5		100 – **525**	14.9 – 6		
MAGNIFICA 4m	43MA041A1	1.5	2		100 – **600**	17.3 – 7		
MAGNIFICA 5m	43MA051A1	2.2	3		100 – **700**	22.2 – 8		
Three-phase								
MAGNIFICA 1	43MA011A	0.55	0.75	IE3	100 – **350**	13.5 – 4	**2"**	**2"**
MAGNIFICA 2	43MA021A	0.75	1		100 – **400**	16 – 4.5		
MAGNIFICA 3	43MA031A	1.1	1.5		100 – **525**	14.9 – 6		
MAGNIFICA 4	43MA041A	1.5	2		100 – **600**	17.3 – 7		
MAGNIFICA 5	43MA051A	2.2	3		100 – **700**	22.2 – 8		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- High-efficiency self-priming electric pumps with built-in filter for circulating water in small and medium-sized swimming pools up to **180 m³**.
- Pre-filter complete with transparent lid to facilitate visual inspection, wing nuts for quick opening without additional tools, **extra-large filter basket** to reduce the frequency of cleaning operations.
- Special anti-corrosion plastic base that provides stable support for the pump and piping.
- **Double insulation** between hydraulic parts and the electric motor.
- Robust, **glass-fibre reinforced** hydraulic part.
- MAGNIFICA® Registered Trade Mark

SPRINKLER SELF-PRIMING CENTRIFUGAL PUMPS

MODEL		POWER P_2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
SKRm 1.1	–	1.1	1.5	–	50 – **250**	20 – 8	**1½"**	**1½"**
SKRm 1.5	46SKRA15A1	1.5	2		50 – **300**	25 – 15		
Three-phase								
SKR 1.1	–	1.1	1.5	IE3	50 – **250**	20 – 8	**1½"**	**1½"**
SKR 1.5	46SKRA15A	1.5	2		50 – **300**	25 – 15		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impeller: Noryl

Impellers in **AISI 304 stainless steel**

PLURIJET SELF-PRIMING MULTI-STAGE PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
PLURIJETm 3/80	43PJ08I3A1	0.48	0.65	–	5 – **80**	38 – 5	**1"**	**1"**
PLURIJETm 4/80	43PJ08I4A1	0.55	0.75		5 – **80**	50 – 10		
PLURIJETm 3/100	43PJ10I3A1	0.55	0.75		5 – **120**	37 – 5		
PLURIJETm 4/100	43PJ10I4A1	0.75	1		5 – **130**	50 – 5		
Three-phase								
PLURIJET 3/80	43PJ08I3A	0.48	0.65		5 – **80**	38 – 5	**1"**	**1"**
PLURIJET 4/80	43PJ08I4A	0.55	0.75	**IE2**	5 – **80**	50 – 10		
PLURIJET 3/100	43PJ10I3A	0.55	0.75		5 – **120**	37 – 5		
PLURIJET 4/100	43PJ10I4A	0.75	1	**IE3**	5 – **130**	50 – 5		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: **AISI 304 stainless steel**
- Impellers: **AISI 304 stainless steel**
- PLURIJET® Registered trade mark n. 003974301

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

Impellers in **Noryl**

VERSIONS WITH TECHNOPOLYMER IMPELLER

Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
PLURIJETm 3/80X	43PJA6063A1	0.48	0.65		5 – **80**	38 – 5	**1″**	**1″**
PLURIJETm 4/80X	43PJA6084A1	0.55	0.75		5 – **80**	50 – 10		
PLURIJETm 3/100X	43PJA6083A1	0.55	0.75		5 – **120**	37 – 5		
PLURIJETm 4/100X	43PJA5104A1	0.75	1		5 – **130**	50 – 5		
Three-phase								
PLURIJET 3/80X	43PJA6063A	0.48	0.65		5 – **80**	38 – 5	**1″**	**1″**
PLURIJET 4/80X	43PJA6084A	0.55	0.75	**IE2**	5 – **80**	50 – 10		
PLURIJET 3/100X	43PJA6083A	0.55	0.75		5 – **120**	37 – 5		
PLURIJET 4/100X	43PJA5104A	0.75	1	**IE3**	5 – **130**	50 – 5		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: **AISI 304 stainless steel**
- Impellers: Noryl
- PLURIJET® Registered trade mark n. 003974301

Impellers in **AISI 304 stainless steel**

PLURIJET STAINLESS STEEL SELF-PRIMING MULTI-STAGE PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
PLURIJETm 3/90	–	0.48	0.65	–	5 – **80**	38 – 5	1"	1"
PLURIJETm 4/90	–	0.55	0.75	–	5 – **80**	50 – 10	1"	1"
PLURIJETm 5/90	43PJBI25058A1	1.1	1.5	–	5 – **90**	78 – 38	1¼"	1"
PLURIJETm 6/90	43PJBI30068A1	1.5	2	–	5 – **90**	94 – 45	1¼"	1"
PLURIJETm 3/120	–	0.55	0.75	–	5 – **120**	37 – 5	1"	1"
PLURIJETm 4/120	–	0.75	1	–	5 – **130**	50 – 5	1"	1"
PLURIJETm 3/130	43PJCI15038A1	1.1	1.5	–	5 – **130**	49 – 24	1¼"	1"
PLURIJETm 4/130	43PJCI20048A1	1.5	2	–	5 – **130**	65 – 31	1¼"	1"
PLURIJETm 5/130	43PJCI25058A1	1.8	2.5	–	5 – **130**	81 – 39	1¼"	1"
PLURIJETm 6/130	43PJCI30068A1	2.2	3	–	5 – **130**	97 – 46	1¼"	1"
PLURIJETm 3/200	43PJDI15038A1	1.1	1.5	–	20 – **200**	43 – 13	1¼"	1"
PLURIJETm 4/200	43PJDI20048A1	1.5	2	–	20 – **200**	57 – 17	1¼"	1"
PLURIJETm 5/200	43PJDI25058A1	1.8	2.5	–	20 – **200**	71 – 22	1¼"	1"
PLURIJETm 6/200	43PJDI30068A1	2.2	3	–	20 – **200**	85 – 26	1¼"	1"
Three-phase								
PLURIJET 3/90	–	0.48	0.65	IE2	5 – **80**	38 – 5	1"	1"
PLURIJET 4/90	–	0.55	0.75	IE2	5 – **80**	50 – 10	1"	1"
PLURIJET 5/90	43PJBI25058A	1.1	1.5	IE3	5 – **90**	78 – 38	1¼"	1"
PLURIJET 6/90	43PJBI30068A	1.5	2	IE3	5 – **90**	94 – 45	1¼"	1"
PLURIJET 3/120	–	0.55	0.75	IE2	5 – **120**	37 – 5	1"	1"
PLURIJET 4/120	–	0.75	1	IE3	5 – **130**	50 – 5	1"	1"
PLURIJET 3/130	43PJCI15038A	1.1	1.5	IE3	5 – **130**	49 – 24	1¼"	1"
PLURIJET 4/130	43PJCI20048A	1.5	2	IE3	5 – **130**	65 – 31	1¼"	1"
PLURIJET 5/130	43PJCI25058A	1.8	2.5	IE3	5 – **130**	81 – 39	1¼"	1"
PLURIJET 6/130	43PJCI30068A	2.2	3	IE3	5 – **130**	97 – 46	1¼"	1"
PLURIJET 3/200	43PJDI15038A	1.1	1.5	IE3	20 – **200**	43 – 13	1¼"	1"
PLURIJET 4/200	43PJDI20048A	1.5	2	IE3	20 – **200**	57 – 17	1¼"	1"
PLURIJET 5/200	43PJDI25058A	1.8	2.5	IE3	20 – **200**	71 – 22	1¼"	1"
PLURIJET 6/200	43PJDI30068A	2.2	3	IE3	20 – **200**	85 – 26	1¼"	1"

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body and impellers: **AISI 304 stainless steel**
- Diffusers (only for 5-6/90, /130, /200): **AISI 304 stainless steel**
- PLURIJET® Registered trade mark n. 003974301
- Patent n. EP14755156.8

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

OPTIONS AVAILABLE ON REQUEST
- **PLURIJET** pumps with technopolymer impeller

NGA PUMPS WITH OPEN IMPELLER

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
NGAm 1B	44GEX51BA1	0.55	0.75	–	50 – **300**	17 – 8	**1½"**	**1½"**
NGAm 1A	44GEX51AA1	0.75	1		50 – **350**	19.5 – 6		
NGAm 2B	–	0.55	0.75		50 – **450**	9.4 – 4	**1½"**	**1½"**
NGAm 2A	–	0.75	1		50 – **550**	10.8 – 4		
NGAm 3D	44NGA21DA1	1.1	1.5		100 – **700**	12 – 5	**2"**	**2"**
NGAm 3C	44NGA21CA1	1.5	2		100 – **770**	14.4 – 5.7		
NGAm 3B	44NGA21BA1	1.8	2.5		100 – **840**	16.5 – 7		
NGAm 3A	44NGA21AA1	2.2	3		100 – **900**	19 – 8.5		
Three-phase								
NGA 1B	44GEX51BA	0.55	0.75	IE3	50 – **300**	17 – 8	**1½"**	**1½"**
NGA 1A	44GEX51AA	0.75	1		50 – **350**	19.5 – 6		
NGA 2B	–	0.55	0.75	IE3	50 – **450**	9.4 – 4	**1½"**	**1½"**
NGA 2A	–	0.75	1		50 – **550**	10.8 – 4		
NGA 3D	44NGA21DA	1.1	1.5	IE3	100 – **700**	12 – 5	**2"**	**2"**
NGA 3C	44NGA21CA	1.5	2		100 – **770**	14.4 – 5.7		
NGA 3B	44NGA21BA	1.8	2.5		100 – **840**	16.5 – 7		
NGA 3A	44NGA21AA	2.2	3		100 – **900**	19 – 8.5		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Impeller: **cast iron** (AISI 316 stainless steel for NGA 1A, NGA 1B)

Suitable for the removal of liquids comparatively full of impurities.
Passage of suspended solids up to:
– Ø 10 mm for NGA 1
– Ø 12 mm for NGA 2
– Ø 20 mm for NGA 3

Flanges in **AISI 316 stainless steel**
(on request)

NGA-PRO STAINLESS STEEL PUMPS WITH OPEN IMPELLER

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
NGAm 1B - PRO	44GEX32BA1	0.55	0.75	–	50 – **300**	17 – 8	**1½"**	**1½"**
NGAm 1A - PRO	44GEX32AA1	0.75	1		50 – **350**	19.5 – 6		
NGAm 2B - PRO	–	0.55	0.75		50 – **450**	9.4 – 4	**1½"**	**1½"**
NGAm 2A - PRO	–	0.75	1		50 – **550**	10.8 – 4		
NGAm 3D - PRO	44NGA20DA1	1.1	1.5		100 – **700**	12 – 5	**2"**	**2"**
NGAm 3C - PRO	44NGA20CA1	1.5	2		100 – **770**	14.4 – 5.7		
NGAm 3B - PRO	44NGA20BA1	1.8	2.5		100 – **840**	16.5 – 7		
NGAm 3A - PRO	44NGA20AA1	2.2	3		100 – **900**	19 – 8.5		
Three-phase								
NGA 1B - PRO	44GEX32BA	0.55	0.75	IE3	50 – **300**	17 – 8	**1½"**	**1½"**
NGA 1A - PRO	44GEX32AA	0.75	1		50 – **350**	19.5 – 6		
NGA 2B - PRO	–	0.55	0.75	IE3	50 – **450**	9.4 – 4	**1½"**	**1½"**
NGA 2A - PRO	–	0.75	1		50 – **550**	10.8 – 4		
NGA 3D - PRO	44NGA20DA	1.1	1.5	IE3	100 – **700**	12 – 5	**2"**	**2"**
NGA 3C - PRO	44NGA20CA	1.5	2		100 – **770**	14.4 – 5.7		
NGA 3B - PRO	44NGA20BA	1.8	2.5		100 – **840**	16.5 – 7		
NGA 3A - PRO	44NGA20AA	2.2	3		100 – **900**	19 – 8.5		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body, impeller and body backplate**: precision cast AISI 316 stainless steel**
- Shaft: AISI 316L stainless steel

Suitable for the removal of liquids comparatively full of impurities.
Passage of suspended solids up to:
– Ø 10 mm for NGA 1 - PRO
– Ø 12 mm for NGA 2 - PRO
– Ø 20 mm for NGA 3 - PRO

HF CENTRIFUGAL PUMPS (MEDIUM FLOW)

MODEL			POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	■	kW	HP	▲	l/min	m	DN1	DN2
HFm 50B	47HF50M6BA1	1	0.37	0.50	–	50 – **300**	10 – 4	**1½"**	**1½"**
HFm 50A	47HF50M6AA1		0.55	0.75		50 – **300**	12 – 6		
HFm 51B	47HF5M1BA1		0.55	0.75		50 – **300**	17.2 – 5.4		
HFm 51A	47HF5M1AA1		0.75	1		50 – **300**	20.2 – 8.4		
HFm 70C	47HF61MC7A1		1.1	1.5		50 – **300**	28 – 15		
HFm 70B	47HF61MB7A1		1.5	2		50 – **300**	32 – 19		
HFm 5B	47HF5M0BA1		0.75	1		100 – **500**	13.2 – 5	**2"**	**2"**
HFm 5A	47HF5M0AA1		1.1	1.5		100 – **600**	13.8 – 3		
HFm 5BM	47HF5M2B7A1		1.1	1.5		100 – **600**	18.5 – 6		
HFm 5AM	47HF5M2A7A1		1.5	2		100 – **600**	21.5 – 10		
Three-phase									
HF 50B	47HF50T6BA	1	0.37	0.50	IE2	50 – **300**	10 – 4	**1½"**	**1½"**
HF 50A	47HF50T6AA		0.55	0.75		50 – **300**	12 – 6		
HF 51B	47HF5T1BA		0.55	0.75	IE3	50 – **300**	17.2 – 5.4		
HF 51A	47HF5T1AA		0.75	1		50 – **300**	20.2 – 8.4		
HF 70C	47HF61TC7A		1.1	1.5		50 – **300**	28 – 15		
HF 70B	47HF61TB7A		1.5	2		50 – **300**	32 – 19		
HF 70A	47HF61TA7A		2.2	3		50 – **300**	38 – 25		
HF 5B	47HF5T0BA		0.75	1		100 – **500**	13.2 – 5	**2"**	**2"**
HF 5A	47HF5T0AA		1.1	1.5		100 – **600**	13.8 – 3		
HF 5BM	47HF5T2B7A		1.1	1.5		100 – **600**	18.5 – 6		
HF 5AM	47HF5T2A7A		1.5	2		100 – **600**	21.5 – 10		

■ Impeller: 1=brass; 2=cast iron ▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron

HF CENTRIFUGAL PUMPS (HIGH FLOW)

MODEL			POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	■	kW	HP	▲	l/min	m	DN1	DN2
HFm 4	47HF5M0LA1	1	0.75	1	–	200 – **800**	9.5 – 4	**2½"**	**2½"**
HFm 6C	47HF6M0C7A1		1.1	1.5		200 – **1000**	12 – 4	**3"**	**3"**
HFm 6B	47HF6M0B7A1		1.5	2		200 – **1100**	14.8 – 5		
HFm 6A	47HF6M0A7A1		2.2	3		200 – **1200**	18.1 – 6		
Three-phase									
HF 4	47HF5T0LA	1	0.75	1	IE3	200 – **800**	9.5 – 4	**2½"**	**2½"**
HF 6C	47HF6T0C7A		1.1	1.5		200 – **1000**	12 – 4	**3"**	**3"**
HF 6B	47HF6T0B7A		1.5	2		200 – **1100**	14.8 – 5		
HF 6A	47HF6T0A7A		2.2	3		200 – **1200**	18.1 – 6		
HF 8B	47HF8T0B1A		3	4		200 – **1200**	21.5 – 9	**4"**	**4"**
HF 8A	47HF83T0AA		4	5.5		200 – **1200**	24.5 – 13		
HF 20B	47HF826BA	2	3	4		400 – **1700**	19 – 7		
HF 20A	47HF826AA		4	5.5		400 – **1700**	21.5 – 10		
HF 30B	47HF93TBE		5.5	7.5		600 – **2400**	18 – 10		
HF 30A	47HF93TAE		7.5	10		600 – **2400**	23 – 15		

■ Impeller: 1=brass; 2=cast iron ▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron

F MONOBLOCK CENTRIFUGAL PUMPS (EN 733)

MODEL (n= 2900 min^{-1})			POWER P_2			PERFORMANCE Q	PERFORMANCE H	Counterflanges * DN	Counterflanges * Code
Single-phase	Code	■	kW	HP	▲	l/min	m		
Fm 32/160C	4FN32148C7A1	1	1.5	2	–	100 – **350**	24 – 14	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
Fm 32/160B	4FN32159B1A1	1	2.2	3	–	100 – **400**	30 – 17	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
Fm 40/125C	4FN40125CA1	1	1.1	1.5	–	100 – **550**	16 – 6	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
Fm 40/125B	4FN40125BA1	1	1.5	2	–	100 – **600**	20.5 – 9	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
Fm 40/160C	4FN40158C1A1	1	2.2	3	–	100 – **600**	27 – 14	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
Fm 50/125C	4FN50162C1A1	1	2.2	3	–	300 – **1200**	17.5 – 6	**DN 65** x **50** (2½" x 2")	ASS14FL0500
Three-phase									
F 32/160C	4FN32148C7A	1	1.5	2	IE3	100 – **350**	24 – 14	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/160B	4FN32149B7A	1	2.2	3	IE3	100 – **400**	30 – 17	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/160A	4FN32160A1A	1	3	4	IE3	100 – **450**	37 – 24	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/200C	4FN32203CA	1	4	5.5	IE3	100 – **450**	44 – 31.5	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/200B	4FN32203BE	1	5.5	7.5	IE3	100 – **500**	51 – 36	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/200A	4FN32203AE	1	7.5	10	IE3	100 – **500**	57 – 44	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/200BH	4FN3220HBA	1	3	4	IE3	100 – **300**	45 – 37	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/200AH	4FN3220HAA	1	4	5.5	IE3	100 – **320**	55 – 44	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/250C	4FN32250CE	2	9.2	12.5	IE3	100 – **450**	75 – 60	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/250B	4FN32250BE	2	11	15	IE3	100 – **500**	87 – 70	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 32/250A	4FN32250AE	2	15	20	IE3	100 – **500**	97 – 80	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F 40/125C	4FN40125CA	1	1.1	1.5	IE3	100 – **550**	16 – 6	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/125B	4FN40125BA	1	1.5	2	IE3	100 – **600**	20.5 – 9	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/125A	4FN40125AA	1	2.2	3	IE3	100 – **700**	26 – 10	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/160C	4FN40158C7A	1	2.2	3	IE3	100 – **600**	27 – 14	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/160B	4FN40159B1A	1	3	4	IE3	100 – **600**	32 – 20	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/160A	4FN40163AA	1	4	5.5	IE3	100 – **700**	38 – 20	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/200B	4FN40203BE	1	5.5	7.5	IE3	100 – **700**	47 – 28	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/200A	4FN40203AE	1	7.5	10	IE3	100 – **700**	55 – 41	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/250C	4FN40250CE	2	9.2	12.5	IE3	100 – **700**	64 – 47	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/250B	4FN40250BE	2	11	15	IE3	100 – **700**	71 – 55	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 40/250A	4FN40250AE	2	15	20	IE3	100 – **700**	88 – 72	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F 50/125C	4FN50162C7A	1	2.2	3	IE3	300 – **1200**	17.5 – 6	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/125B	4FN50162B1A	1	3	4	IE3	300 – **1200**	20.7 – 9	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/125A	4FN50161AA	1	4	5.5	IE3	300 – **1200**	23.5 – 13	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/160C	4FN50163CA	1	4	5.5	IE3	300 – **1000**	27 – 16	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/160B	4FN50163BE	1	5.5	7.5	IE3	300 – **1100**	32 – 21	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/160A	4FN50163AE	1	7.5	10	IE3	300 – **1100**	37 – 27	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/200C	4FN50165CE	2	11	15	IE3	400 – **1700**	44 – 30	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/200B	4FN50165BE	2	15	20	IE3	400 – **1700**	52 – 38	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/200A	4FN50165AE	2	18.5	25	IE3	400 – **1800**	61 – 45	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/200AR	4FN50166AE	2	22	30	IE3	400 – **1800**	69 – 53	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/250D	4FN50167E	2	9.2	12.5	IE3	300 – **900**	50.5 – 37	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/250C	4FN50168E	2	11	15	IE3	300 – **1000**	59 – 43	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/250B	4FN50169E	2	15	20	IE3	300 – **1000**	72 – 59	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/250A	4FN50170E	2	18.5	25	IE3	300 – **1000**	85 – 73	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 50/250AR	4FN50172AE	2	22	30	IE3	300 – **1000**	95 – 83	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F 65/125C	4FN65125CA	2	4	5.5	IE3	600 – **1800**	16 – 11	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/125B	4FN65125BE	2	5.5	7.5	IE3	600 – **2000**	18 – 13	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/125A	4FN65125AE	2	7.5	10	IE3	600 – **2200**	23 – 18	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/160C	4FN65158E	2	9.2	12.5	IE3	600 – **2200**	32 – 22	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/160B	4FN65159E	2	11	15	IE3	600 – **2400**	36.5 – 23	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/160A	4FN65160E	2	15	20	IE3	600 – **2400**	40.5 – 28	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/200B	4FN65165BE	2	15	20	IE3	200 – **2400**	44 – 30.5	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/200A	4FN65165AE	2	18.5	25	IE3	200 – **2500**	50 – 36.5	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/200AR	4FN65170AE	2	22	30	IE3	200 – **2600**	57 – 42	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/250C	4FN65250CE	2	30	40	IE3	400 – **2350**	76 – 53	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/250B	4FN65250BE	2	37	50	IE3	400 – **2500**	87 – 62	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F 65/250A	4FN65250AE	2	45	60	IE3	400 – **2600**	95 – 68	**DN 80** x **65** (3" x 2½")	ASS14FL0650

F MONOBLOCK CENTRIFUGAL PUMPS (EN 733)

MODEL (n= 2900 min^{-1})			POWER P2			PERFORMANCE Q	PERFORMANCE H	Counterflanges *	
Three-phase	Code	■	**kW**	**HP**	▲	l/min	m	DN	Code
F 80/160D	4FN80160DE	2	11	15	IE3	500 – **4000**	25 – 10	**DN 100** x **80** (4" x 3")	ASS14FL0800
F 80/160C	4FN80160CE		15	20		500 – **4000**	30 – 15		
F 80/160B	4FN80160BE		18.5	25		500 – **4000**	35 – 20		
F 80/160A	4FN80160AE		22	30		500 – **4000**	40 – 25		
F 80/200B	4FN80200BE	2	30	40		500 – **3650**	56 – 34.5		
F 80/200A	4FN80200AE		37	50		500 – **3900**	62 – 40		
F 80/250B	4FN80250BE	2	45	60		600 – **3600**	77 – 54		
F 80/250A	4FN80250AE		55	75		600 – **3900**	88.5 – 60		
F 100/160C	4FNA10160CNE	2	15	20	IE3	1000 – **5000**	30 – 12	**DN 125** x **100** (5" x 4")	ASS14FL1000
F 100/160B	4FNA10160BNE		18.5	25		1000 – **5200**	34 – 14.5		
F 100/160A	4FNA10160ANE		22	30		1000 – **5500**	38 – 17.5		
F 100/200C	4FNA10200CE	2	30	40		833 – **4650**	51 – 28		
F 100/200B	4FNA10200BE		37	50		833 – **4900**	57 – 33		
F 100/200A	4FNA10200AE		45	60		833 – **5250**	63 – 38		
F 100/250B	4FNA10250BE	2	55	75		800 – **5150**	75 – 48		
F 100/250A	4FNA10250AE		75	100		800 – **5750**	89 – 58		

■ Impeller: 1=brass; 2=cast iron

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: cast iron
- Protection: IP X5

∗ Counterflanges KIT including screws, nuts and gaskets has to be ordered separately

F-INOX MONOBLOCK STAINLESS STEEL CENTRIFUGAL PUMPS (EN 733)

MODEL (n= 2900 min^{-1})		POWER P2			PERFORMANCE Q l/min	PERFORMANCE H m
Three-phase	Code	**kW**	**HP**	▲		
F 50/160C-I	4F50163XCA	4	5.5	IE3	300 – **1000**	27 – 16
F 50/160B-I	4F50163XBE	5.5	7.5		300 – **1100**	32 – 21
F 50/160A-I	4F50163XAE	7.5	10		300 – **1100**	37 – 27
F 65/125C-I	4F65125XCA	4	5.5	IE3	600 – **1800**	16 – 11
F 65/125B-I	4F65125XBE	5.5	7.5		600 – **2000**	18 – 13
F 65/125A-I	4F65125XAE	7.5	10		600 – **2200**	23 – 18

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Pump body: precision cast AISI 316 stainless steel (without counterflanges)
- Impeller: precision cast AISI 316 stainless steel
- Shaft: AISI 316L stainless steel
- Protection: IP X5

F4 MONOBLOCK CENTRIFUGAL PUMPS (EN 733)

MODEL (n= 1450 min⁻¹)			POWER P2			PERFORMANCE Q	PERFORMANCE H	Counterflanges * DN	Counterflanges * Code
Three-phase	Code	■	**kW**	**HP**	▲	l/min	m		
F4-32/160B	4FP32160BA	1	0.37	0.5	**IE2**	50 – **200**	7.5 – 4.5	**DN 50** x **32** (2" x 1¼")	ASS14FL0320
F4-32/160A	4FP32160AA	1	0.37	0.5	**IE2**	50 – **225**	9 – 5		
F4-32/200B	4FP32203BA	1	0.75	1	**IE3**	50 – **250**	12.5 – 9		
F4-32/200A	4FP32203AA	1	1.1	1.5	**IE3**	50 – **250**	14 – 10.5		
F4-32/200BH	4FP3220HBA	1	0.75	1	**IE3**	50 – **150**	11.3 – 9.2		
F4-32/200AH	4FP3220HAA	1	0.75	1	**IE3**	50 – **160**	13.8 – 11		
F4-32/250C	4FP32250CA	2	1.1	1.5	**IE3**	50 – **220**	18.4 – 15		
F4-32/250B	4FP32250BA	2	1.5	2	**IE3**	50 – **250**	21.7 – 17.4		
F4-32/250A	4FP32250AA	2	2.2	3	**IE3**	50 – **270**	23.8 – 18.7		
F4-40/160B	4FP40160BA	1	0.37	0.5	**IE2**	50 – **320**	7.5 – 3.5	**DN 65** x **40** (2½" x 1½")	ASS14FL0400
F4-40/160A	4FP40160AA	1	0.55	0.75	**IE2**	50 – **350**	9 – 4.5		
F4-40/200B	4FP40203BA	1	0.75	1	**IE3**	50 – **350**	11.5 – 7		
F4-40/200A	4FP40203AA	1	1.1	1.5	**IE3**	50 – **350**	13.8 – 10		
F4-40/250C	4FP40250CA	2	1.1	1.5	**IE3**	50 – **400**	15.5 – 10		
F4-40/250B	4FP40250BA	2	1.5	2	**IE3**	50 – **400**	17.5 – 12		
F4-40/250A	4FP40250AA	2	2.2	3	**IE3**	50 – **400**	22 – 17		
F4-50/125B	4FP50160BA	1	0.55	0.75	**IE2**	150 – **600**	5 – 2	**DN 65** x **50** (2½" x 2")	ASS14FL0500
F4-50/125A	4FP50160AA	1	0.55	0.75	**IE2**	150 – **600**	6 – 3		
F4-50/160B (1)	4FP50163BA	1	0.75	1	**IE3**	150 – **650**	8 – 3.8		
F4-50/160A (1)	4FP50163AA	1	1.1	1.5	**IE3**	150 – **700**	9.3 – 4.5		
F4-50/200C	4FP50165CA	2	1.5	2	**IE3**	200 – **850**	11 – 7.5		
F4-50/200B	4FP50165BA	2	2.2	3	**IE3**	200 – **850**	13 – 9.5		
F4-50/200A	4FP50165AA	2	2.2	3	**IE3**	200 – **900**	15 – 11.2		
F4-50/200AR	4FP50166AA	2	3	4	**IE3**	200 – **900**	17 – 13.2		
F4-50/250D	4FP50167A	2	1.1	1.5	**IE3**	150 – **650**	12.5 – 5		
F4-50/250C	4FP50168A	2	1.5	2	**IE3**	150 – **700**	14 – 5		
F4-50/250B	4FP50169A	2	2.2	3	**IE3**	150 – **700**	18 – 10.5		
F4-50/250A	4FP50170A	2	2.2	3	**IE3**	150 – **700**	20 – 13		
F4-50/250AR	4FP50172AA	2	3	4	**IE3**	150 – **700**	23.5 – 17		
F4-65/125B (1)	4FP65125BA	2	0.75	1	**IE3**	300 – **1100**	4.7 – 3	**DN 80** x **65** (3" x 2½")	ASS14FL0650
F4-65/125A (1)	4FP65125AA	2	1.1	1.5	**IE3**	300 – **1200**	5.7 – 4		
F4-65/160C	4FP65158A	2	1.1	1.5	**IE3**	300 – **1100**	8 – 5.5		
F4-65/160B	4FP65159A	2	1.5	2	**IE3**	300 – **1200**	9.1 – 5.7		
F4-65/160A	4FP65160A	2	2.2	3	**IE3**	300 – **1200**	10.1 – 7		
F4-65/200A	4FP65165AA	2	2.2	3	**IE3**	300 – **1250**	12 – 8.5		
F4-65/200AR	4FP65170AA	2	3	4	**IE3**	300 – **1300**	14 – 10		
F4-65/250B	4FP65250BA	2	4	5.5	**IE3**	200 – **1250**	21.8 – 15.5		
F4-65/250A	4FP65250AA	2	5.5	7.5	**IE3**	200 – **1300**	23.5 – 17		

F4 MONOBLOCK CENTRIFUGAL PUMPS (EN 733)

MODEL (n= 1450 min^{-1})			POWER P2			PERFORMANCE Q	PERFORMANCE H	Counterflanges *	
Three-phase	Code	■	**kW**	**HP**	▲	l/min	m	DN	Code
F4-80/160D	4FP80160DA	2	1.5	2	IE3	300 – **2000**	6.3 – 2.5	**DN 100** x **80** (4" x 3")	ASS14FL0800
F4-80/160C	4FP80160CA		2.2	3		300 – **2000**	7.5 – 3.8		
F4-80/160B	4FP80160BA		2.2	3		300 – **2000**	8.8 – 5		
F4-80/160A	4FP80160AA		3	4		300 – **2000**	10 – 6.2		
F4-80/200B	4FP80200BA	2	4	5.5		300 – **1800**	14 – 9		
F4-80/200A	4FP80200AA		5.5	7.5		300 – **1900**	15.5 – 10.5		
F4-80/250B	4FP80250BA	2	5.5	7.5		300 – **1800**	19.5 – 13.5		
F4-80/250A	4FP80250AA		7.5	10		300 – **1950**	22 – 15		
F4-100/160B	4FPA10160BNA	2	2.2	3	IE3	400 – **2600**	8.3 – 3.5	**DN 125** x **100** (5" x 4")	ASS14FL1000
F4-100/160A	4FPA10160ANA		3	4		400 – **2800**	10 – 4.7		
F4-100/200C	4FPA10200CA	2	4	5.5		400 – **2300**	12.7 – 7		
F4-100/200B	4FPA10200BA		5.5	7.5		400 – **2400**	14.2 – 8.5		
F4-100/200A	4FPA10200AA		5.5	7.5		400 – **2600**	15.8 – 9.5		
F4-100/250B	4FPA10250BA	2	7.5	10		400 – **2600**	18.5 – 11.5		
F4-100/250A	4FPA10250AA		9.2	12.5		400 – **2900**	22 – 13.5		

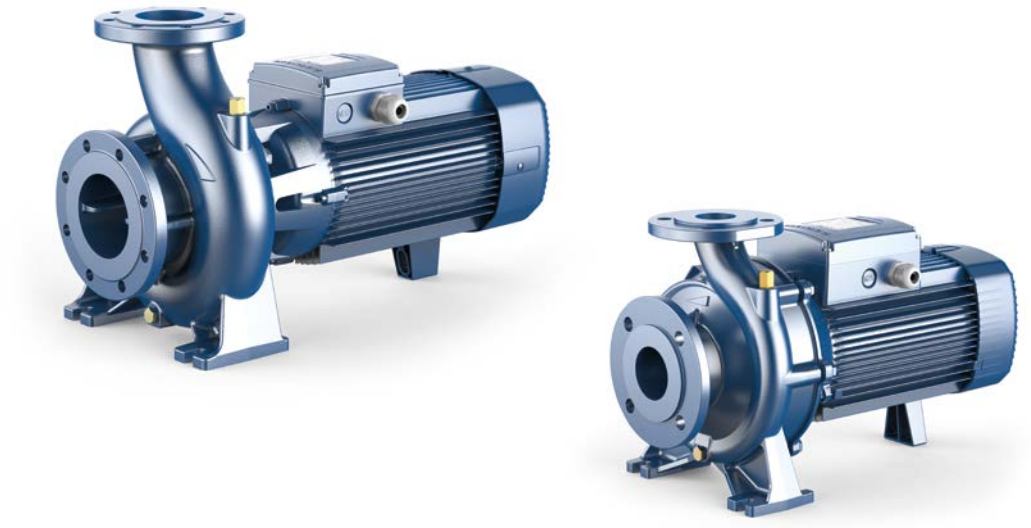
■ Impeller: 1=brass; 2=cast iron

▲ Three phase motor efficiency class (IEC 60034-30-1)

(1) **Pumps cast in AISI 316 stainless steel available on request**

- Pump body: cast iron
- Protection: IP X5

∗ Counterflanges KIT including screws, nuts and gaskets has to be ordered separately



FG BARE AXLE CENTRIFUGAL PUMPS (EN 733)

MODEL			2 POLES n= 2900 min^{-1}				4 POLES n= 1450 min^{-1}			
			Motor to connect P_2		PERFORMANCE		Motor to connect P_2		PERFORMANCE	
Pump	Code	■	**kW**	**HP**	**Q** m^3/h	**H** m	**kW**	**HP**	**Q** m^3/h	**H** m
FG 32/160C	4FG3216C010	1	1.5	2	6 – **21**	24 – 14	0.25	0.33	3 – **10.5**	6 – 3.5
FG 32/160B	4FG3216B010		2.2	3	6 – **24**	30 – 17	0.37	0.5	3 – **12**	7.5 – 4
FG 32/160A	4FG3216A010		3	4	6 – **27**	37 – 24	0.37	0.5	3 – **13.5**	9 – 6
FG 32/200C	4FG3220C010	1	4	5.5	6 – **27**	44 – 31.5	0.55	0.75	3 – **13.5**	11 – 8
FG 32/200B	4FG3220B010		5.5	7.5	6 – **30**	51 – 36	0.75	1	3 – **15**	12.5 – 9
FG 32/200A	4FG3220A010		7.5	10	6 – **30**	57 – 44	1.1	1.5	3 – **15**	14 – 11
FG 32/200BH	4FG3221BH010	1	3	4	6 – **18**	45 – 37	0.55	0.75	3 – **9**	11 – 9
FG 32/200AH	4FG3221AH010		4	5.5	6 – **19.2**	55 – 44	0.55	0.75	3 – **9.6**	13.8 – 11
FG 32/250C	4FG3225C010	2	9.2	12.5	6 – **27**	75 – 60	1.1	1.5	3 – **13.2**	18.4 – 15
FG 32/250B	4FG3225B010		11	15	6 – **30**	87 – 70	1.5	2	3 – **15**	21.7 – 17.4
FG 32/250A	4FG3225A010		15	20	6 – **30**	97 – 80	2.2	3	3 – **16.2**	23.8 – 18.7
FG 40/125C	4FG4012C010	1	1.1	1.5	6 – **33**	16 – 6	–	–	–	–
FG 40/125B	4FG4012B010		1.5	2	6 – **36**	20.5 – 9	–	–	–	–
FG 40/125A	4FG4012A010		2.2	3	6 – **42**	26 – 10	–	–	–	–
FG 40/160C	4FG4016C010	1	2.2	3	6 – **36**	27 – 14	0.37	0.5	3 – **18**	6.5 – 3.5
FG 40/160B	4FG4016B010		3	4	6 – **36**	32 – 20	0.37	0.5	3 – **18**	8 – 5
FG 40/160A	4FG4016A010		4	5.5	6 – **42**	38 – 20	0.55	0.75	3 – **21**	9.5 – 5
FG 40/200B	4FG4020B010	1	5.5	7.5	6 – **42**	47 – 28	0.75	1	3 – **21**	11.5 – 7
FG 40/200A	4FG4020A010		7.5	10	6 – **42**	55 – 41	1.1	1.5	3 – **21**	13.5 – 10
FG 40/250C	4FG4025C010	2	9.2	12.5	6 – **42**	64 – 47	1.1	1.5	3 – **21**	16 – 11.5
FG 40/250B	4FG4025B010		11	15	6 – **42**	71 – 55	1.5	2	3 – **21**	17.5 – 13.5
FG 40/250A	4FG4025A010		15	20	6 – **42**	88 – 72	2.2	3	3 – **21**	22 – 18
FG 50/125C	4FG5012C010	1	2.2	3	18 – **72**	17.5 – 6	0.37	0.5	9 – **36**	4.3 – 1.5
FG 50/125B	4FG5012B010		3	4	18 – **72**	20.7 – 9	0.55	0.75	9 – **36**	5.1 – 2.3
FG 50/125A	4FG5012A010		4	5.5	18 – **72**	23.5 – 13	0.55	0.75	9 – **36**	5.8 – 3.2
FG 50/160C	4FG5016C010	1	4	5.5	18 – **60**	27 – 16	0.55	0.75	9 – **30**	7 – 4
FG 50/160B	4FG5016B010		5.5	7.5	18 – **66**	32 – 21	0.75	1	9 – **33**	8 – 5
FG 50/160A	4FG5016A010		7.5	10	18 – **66**	37 – 27	1.1	1.5	9 – **33**	9 – 7
FG 50/200C	4FG5020C010	2	11	15	24 – **102**	44 – 30	1.5	2	12 – **51**	11 – 7.5
FG 50/200B	4FG5020B010		15	20	24 – **102**	52 – 38	2.2	3	12 – **51**	13 – 9.5
FG 50/200A	4FG5020A010		18.5	25	24 – **108**	61 – 45	2.2	3	12 – **54**	15 – 11
FG 50/200AR	4FG5021AR010		22	30	24 – **108**	69 – 53	3	4	12 – **54**	17 – 13
FG 50/250D	4FG5025D010	2	9.2	12.5	18 – **54**	50.5 – 37	1.1	1.5	9 – **27**	12.5 – 8
FG 50/250C	4FG5025C010		11	15	18 – **60**	59 – 43	1.5	2	9 – **27**	14.5 – 10.5
FG 50/250B	4FG5025B010		15	20	18 – **60**	72 – 59	2.2	3	9 – **30**	18 – 14.5
FG 50/250A	4FG5025A010		18.5	25	18 – **60**	85 – 73	2.2	3	9 – **30**	21 – 18
FG 50/250AR	4FG5026AR010		22	30	18 – **60**	95 – 83	3	4	9 – **30**	24 – 21
FG 65/125C	4FG6512C010	2	4	5.5	36 – **108**	16 – 11	0.55	0.75	18 – **54**	4 – 2.7
FG 65/125B	4FG6512B010		5.5	7.5	36 – **120**	18 – 13	0.75	1	18 – **60**	4.5 – 3.2
FG 65/125A	4FG6512A010		7.5	10	36 – **132**	23 – 18	1.1	1.5	18 – **66**	5.8 – 4.5
FG 65/160C	4FG6516C010	2	9.2	12.5	36 – **132**	32 – 22	1.1	1.5	18 – **66**	8 – 5.5
FG 65/160B	4FG6516B010		11	15	36 – **144**	36.5 – 23	1.5	2	18 – **72**	9 – 5.5
FG 65/160A	4FG6516A010		15	20	36 – **144**	40.5 – 28	2.2	3	18 – **72**	10 – 7

FG BARE AXLE CENTRIFUGAL PUMPS (EN 733)

MODEL			2 POLES n= 2900 min^{-1}				4 POLES n= 1450 min^{-1}			
			Motor to connect P2		PERFORMANCE		Motor to connect P2		PERFORMANCE	
Pump	Code	■	**kW**	**HP**	**Q** m^3/h	**H** m	**kW**	**HP**	**Q** m^3/h	**H** m
FG 65/200B	4FG6520B010	2	15	20	12 – **144**	44 – 30.5	2.2	3	6 – **72**	10.5 – 7.3
FG 65/200A	4FG6520A010	2	18.5	25	12 – **150**	50 – 36.5	2.2	3	6 – **75**	12 – 8.5
FG 65/200AR	4FG6521AR010	2	22	30	12 – **156**	57 – 42	3	4	6 – **78**	14 – 10
FG 65/250C	4FG6525C010	2	30	40	24 – **141**	76 – 53	3	4	12 – **70.5**	19 – 13
FG 65/250B	4FG6525B010	2	37	50	24 – **150**	87 – 62	4	5.5	12 – **75**	21.5 – 15.5
FG 65/250A	4FG6525A010	2	45	60	24 – **156**	95 – 68	5.5	7.5	12 – **78**	23.5 – 17
FG 80/160D	4FG8016D010	2	11	15	30 – **240**	25 – 10	1.5	2	15 – **120**	6 – 2.5
FG 80/160C	4FG8016C010	2	15	20	30 – **240**	30 – 15	2.2	3	15 – **120**	7.5 – 3.5
FG 80/160B	4FG8016B010	2	18.5	25	30 – **240**	35 – 20	2.2	3	15 – **120**	8.5 – 5
FG 80/160A	4FG8016A010	2	22	30	30 – **240**	40 – 25	3	4	15 – **120**	10 – 6
FG 80/200B	4FG8020B010	2	30	40	30 – **219**	56 – 34.5	4	5.5	15 – **109.5**	14 – 8.5
FG 80/200A	4FG8020A010	2	37	50	30 – **234**	62 – 40	5.5	7.5	15 – **117**	15.5 – 10
FG 80/250B	4FG8025B010	2	45	60	36 – **216**	77 – 54	5.5	7.5	18 – **108**	19 – 13.5
FG 80/250A	4FG8025A010	2	55	75	36 – **234**	88.5 – 60	7.5	10	18 – **117**	22 – 15
FG 100/160C	4FG9116CN010	2	15	20	60 – **300**	30 – 12	2.2	3	24 – **144**	7.5 – 3
FG 100/160B	4FG9116BN010	2	18.5	25	60 – **312**	34 – 14.5	2.2	3	24 – **156**	8.3 – 3.5
FG 100/160A	4FG9116AN010	2	22	30	60 – **330**	38 – 17.5	3	4	24 – **168**	9.5 – 3.8
FG 100/200C	4FG9120C010	2	30	40	48 – **279**	51 – 28	4	5.5	24 – **139.5**	12.5 – 7
FG 100/200B	4FG9120B010	2	37	50	48 – **294**	57 – 33	5.5	7.5	24 – **147**	14 – 8
FG 100/200A	4FG9120A010	2	45	60	48 – **315**	63 – 38	5.5	7.5	24 – **157.5**	15.5 – 9.5
FG 100/250B	4FG9125B010	2	55	75	48 – **309**	75 – 48	7.5	10	24 – **154.5**	18.5 – 12
FG 100/250A	4FG9125A010	2	75	100	48 – **345**	89 – 58	9.2	12.5	24 – **172.5**	22 – 14.5

■ Impeller: 1=brass; 2=cast iron

• Pump body: cast iron

*** Counterflanges KIT including screws, nuts and gaskets has to be ordered separately**

● If requested the FG pumps can be trialled and tested in accordance with standard EN 12845 for use in fire prevention units.

FLUID SOLAR SOLAR PUMPS KIT

MODEL		INPUT POWER P1	MAXIMUM PERFORMANCE*		PORT
			Q	H	
Pumps	Code		l/min	m	DN
FLUID SOLAR 1/10	49M4SK110A	750 W	5 – **38**	79 – 12	**1"**
FLUID SOLAR 1/20	49M4SK120A	1500 W	5 – **38**	165 – 35	
FLUID SOLAR 2/6	49M4SK206A	750 W	5 – **75**	64 – 12	
FLUID SOLAR 2/14	49M4SK214A	1500 W	5 – **70**	140 – 20	
FLUID SOLAR 4/4	49M4SK404A	750 W	5 – **102**	38.5 – 12	
FLUID SOLAR 4/8	49M4SK408A	1500 W	5 – **120**	85 – 24	
FLUID SOLAR 6/3	49M4SK603A	750 W	5 – **150**	30 – 9	**1¼"**
FLUID SOLAR 6/6	49M4SK606A	1500 W	5 – **180**	65 – 18	

* Performance with:
- solar radiation of 1000 W/m^2;
- available voltage of the photovoltaic panels 100 VDC;
- photovoltaic panels facing SOUTH (facing NORTH for installations in the southern hemisphere) and optimised angle of inclination to the horizon according to the latitude of the installation site..

(1)

COMPONENTS
- Pump with 2 metres long power cable
- Control box to protect the pump from dry running (1)
- N. 2 male connectors type SMK (2)
- N. 2 female connectors type SMK (3)
- N. 2 Y female/male-male connectors type MC4 (4) (only for FLUID SOLAR with P1=1500 W)
- N. 2 Y male/female-female connectors type MC4 (5) (only for FLUID SOLAR with P1=1500 W)
- RPS2 electrical cable resin joint (6)
- Patent n. 0001413386, EP2419642
- Patent n. EP2300717
- FLUID SOLAR® Registered trade mark n. 0001516301

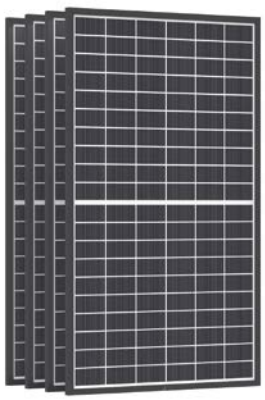
(6)

CABLES FOR PHOTOVOLTAIC SOLAR SYSTEM

MODEL	Code	WEIGHT
1 x 4 mm^2 colore rosso	117SF104R	60 g/m
1 x 4 mm^2 colore nero	117SF104N	60 g/m
1 x 6 mm^2 colore rosso	117SF106R	80 g/m
1 x 6 mm^2 colore nero	117SF106N	80 g/m

➠ These cables should be used to connect the control unit to the photovoltaic modules according to the diagram in the installation manual.
➠ The overall length of the connections must comply with the following regulations:
- utilize cables of 4 mm2 cross-section for connections of a maximum of 40 metres in length
- utilize cables of 6 mm2 cross-section for connections from 40 metres in length up to a maximum of 80 metres

➠ In order to connect the control box to the pump utilize four polar cables in accordance with the diagram in the installation manual.



PHOTOVOLTAIC MODULES

MODEL	Code	QUANTITY
PHOTOVOLTAIC MODULES KIT	538MF004	n° 4 modules
	538MF008	n° 8 modules

- To run FLUID SOLAR at **P1=750 W n. 4 photovoltaic modules are required**.
- To run FLUID SOLAR at **P1=1500 W n. 8 photovoltaic modules are required**.

4BLOCK 4" MONOBLOCK SUBMERSIBLE PUMPS

	MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT
	Single-phase	Code	kW	HP	l/min	m	DN
4BLOCK 2	**4BLOCKm 2/6**	49M42206LA1	0.37	0.50	10 – **60**	45 – 18	**1¼"**
	4BLOCKm 2/9	49M42209LA1	0.55	0.75	10 – **60**	67.5 – 26.5	
	4BLOCKm 2/12	49M42212LA1	0.75	1	10 – **60**	90 – 35.5	
	4BLOCKm 2/18	49M42218LA1	1.1	1.5	10 – **60**	135 – 53.5	
4BLOCK 4	Single-phase						
	4BLOCKm 4/4	49M42404LA1	0.37	0.50	20 – **100**	30 – 10	**1¼"**
	4BLOCKm 4/6	49M42406LA1	0.55	0.75	20 – **100**	44.5 – 15	
	4BLOCKm 4/8	49M42408LA1	0.75	1	20 – **100**	59.5 – 20	
	4BLOCKm 4/13	49M42413LA1	1.1	1.5	20 – **100**	97 – 32.5	
4BLOCK 6	Single-phase						
	4BLOCKm 6/3	49M42603LA1	0.37	0.50	25 – **150**	19 – 6	**1¼"**
	4BLOCKm 6/5	49M42605LA1	0.55	0.75	25 – **150**	31.5 – 10	
	4BLOCKm 6/7	49M42607LA1	0.75	1	25 – **150**	44 – 14.5	
	4BLOCKm 6/10	49M42610LA1	1.1	1.5	25 – **150**	63 – 20.5	
4BLOCK 8	Single-phase						
	4BLOCKm 8/3	49M42803LA1	0.55	0.75	40 – **200**	20 – 4	**1¼"**
	4BLOCKm 8/5	49M42805LA1	0.75	1	40 – **200**	33.5 – 7	
	4BLOCKm 8/8	49M42808LA1	1.1	1.5	40 – **200**	53.5 – 11.5	

- Power cable: **supplied with 20 metres long power cable**
- Capacitor and motor with built-in thermal overload protector
- Patent n. EP3123031, EP2419642

● **4BLOCK: Ready to fit monoblock stainless steel submersible pumps. Supplied with capacitor and motor with builtin motor protector. Suitable for use in clear water wells with a maximum sand content of up to 200 g/m³**

DAVIS 4" SUBMERSIBLE PUMP WITH PERIPHERAL IMPELLER

MODEL		PUMP DIAMETER	POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	mm	kW	HP	l/min	m	DN
DAVIS®	484SK40A1	101	0.75	1	5 – **50**	68 – 5	**1"**

- Power cable: supplied with 20 metres long power cable
- Impeller: brass
- Two mechanical seals separated by an oil chamber
- Capacitor and motor with built-in thermal overload protector
- Patent n. EP2300717 - EP2419642
- DAVIS® Registered trade mark n. 0001552668

● **DAVIS®: Ready to fit monoblock stainless steel submersible pump. Supplied with capacitor and motor with builtin motor protector..**
N.B. Suitable for clean water without sand.

SUBMERSIBLE PUMPS WITH PATENTED FLOATING IMPELLERS

3SR 3" SUBMERSIBLE PUMPS

	MODEL		POWER P_2		PERFORMANCE Q	PERFORMANCE H	PORT
	Single-phase	Code	kW	HP	l/min	m	DN
3SR1	**3SRm 1/14**	4931114PLA1	0.25	0.33 [1]	5 – **30**	57 – 16	
	3SRm 1/21	4931121PLA1	0.37	0.50	5 – **30**	85 – 24	
	3SRm 1/31	4931131PLA1	0.55	0.75	5 – **30**	126 – 35	**1"**
	3SRm 1/42	4931142PLA1	0.75	1	5 – **30**	170 – 47.5	
	3SRm 1/62	4931162PLA1	1.1	1.5	5 – **30**	252 – 70	
	Three-phase						
	3SR 1/14	4931114PLA	0.25	0.33 [1]	5 – **30**	57 – 16	
	3SR 1/21	4931121PLA	0.37	0.50	5 – **30**	85 – 24	
	3SR 1/31	4931131PLA	0.55	0.75	5 – **30**	126 – 35	**1"**
	3SR 1/42	4931142PLA	0.75	1	5 – **30**	170 – 47.5	
	3SR 1/62	4931162PLA	1.1	1.5	5 – **30**	252 – 70	
3SR2	Single-phase						
	3SRm 2/10	4931210PLA1	0.25	0.33 [1]	10 – **50**	39.5 – 11	
	3SRm 2/14	4931214PLA1	0.37	0.50	10 – **50**	55.5 – 15.5	
	3SRm 2/21	4931221PLA1	0.55	0.75	10 – **50**	83 – 23	**1"**
	3SRm 2/28	4931228PLA1	0.75	1	10 – **50**	111 – 30.5	
	3SRm 2/41	4931241PLA1	1.1	1.5	10 – **50**	162 – 45	
	Three-phase						
	3SR 2/10	4931210PLA	0.25	0.33 [1]	10 – **50**	39.5 – 11	
	3SR 2/14	4931214PLA	0.37	0.50	10 – **50**	55.5 – 15.5	
	3SR 2/21	4931221PLA	0.55	0.75	10 – **50**	83 – 23	**1"**
	3SR 2/28	4931228PLA	0.75	1	10 – **50**	111 – 30.5	
	3SR 2/41	4931241PLA	1.1	1.5	10 – **50**	162 – 45	
3SR4	Single-phase						
	3SRm 4/5	4931405PLA1	0.25	0.33 [1]	15 – **90**	18 – 4.5	
	3SRm 4/8	4931408PLA1	0.37	0.50	15 – **90**	29 – 7	
	3SRm 4/12	4931412PLA1	0.55	0.75	15 – **90**	43.5 – 11	**1"**
	3SRm 4/16	4931416PLA1	0.75	1	15 – **90**	58 – 14.5	
	3SRm 4/23	4931423PLA1	1.1	1.5	15 – **90**	83 – 20.5	
	Three-phase						
	3SR 4/5	4931405PLA	0.25	0.33 [1]	15 – **90**	18 – 4.5	
	3SR 4/8	4931408PLA	0.37	0.50	15 – **90**	29 – 7	
	3SR 4/12	4931412PLA	0.55	0.75	15 – **90**	43.5 – 11	**1"**
	3SR 4/16	4931416PLA	0.75	1	15 – **90**	58 – 14.5	
	3SR 4/23	4931423PLA	1.1	1.5	15 – **90**	83 – 20.5	

[1] Pump fitted with a 0.50 HP motor

3PD = rewindable oil filled submersible motor

- Power cable: 1.5 m
- Patent n. EP3123031, EP2419642

3SR: suitable for pumping clean water with a maximum sand content of up to 150 g/m³

SUBMERSIBLE PUMPS WITH PATENTED FLOATING IMPELLERS

4SR F - HYD 4" SUBMERSIBLE PUMPS

	MODEL		P2 POWER REQUIRED		PERFORMANCE		PORT
					Q	H	
	Pump	Code	kW	HP	l/min	m	DN
4SR1 F - HYD	**4SR 1/12 F - HYD**	49480012WI5	0.37	0.50	5 – **30**	71 – 30	**1¼"**
	4SR 1/17 F - HYD	49480017WI5	0.55	0.75	5 – **30**	100 – 42.5	
	4SR 1/22 F - HYD	49480022WI5	0.75	1	5 – **30**	130 – 55	
	4SR 1/32 F - HYD	49480032WI5	1.1	1.5	5 – **30**	188 – 80	
	4SR 1/42 F - HYD	49480042WI5	1.5	2	5 – **30**	247 – 105	
4SR1.5 F - HYD	**4SR 1.5/7 F - HYD**	49480107WI5	0.37	0.50	5 – **45**	50 – 17	**1¼"**
	4SR 1.5/11 F - HYD	49480111WI5	0.55	0.75	5 – **45**	78 – 26.5	
	4SR 1.5/15 F - HYD	49480115WI5	0.75	1	5 – **45**	106 – 36	
	4SR 1.5/22 F - HYD	49480122WI5	1.1	1.5	5 – **45**	154 – 52.5	
	4SR 1.5/30 F - HYD	49480130WI5	1.5	2	5 – **45**	206 – 70	
	4SR 1.5/44 F - HYD	49480144WI5	2.2	3	5 – **45**	295 – 100	
4SR2 F - HYD	**4SR 2/6 F - HYD**	49480206WI5	0.37	0.50	10 – **65**	45 – 13	**1¼"**
	4SR 2/9 F - HYD	49480209WI5	0.55	0.75	10 – **65**	67 – 19.5	
	4SR 2/12 F - HYD	49480212WI5	0.75	1	10 – **65**	90 – 25.5	
	4SR 2/17 F - HYD	49480217WI5	1.1	1.5	10 – **65**	127 – 36.5	
	4SR 2/23 F - HYD	49480223WI5	1.5	2	10 – **65**	172 – 49	
	4SR 2/33 F - HYD	49480233WI5	2.2	3	10 – **65**	246 – 71	
	4SR 2/44 F - HYD	49480244WI5	3	4	10 – **65**	328 – 94	
4SR4 F - HYD	**4SR 4/6 F - HYD**	49480406WI5	0.55	0.75	20 – **100**	45.5 – 17	**1¼"**
	4SR 4/8 F - HYD	49480408WI5	0.75	1	20 – **100**	60.5 – 22.5	
	4SR 4/12 F - HYD	49480412WI5	1.1	1.5	20 – **100**	91 – 33.5	
	4SR 4/15 F - HYD	49480415WI5	1.5	2	20 – **100**	114 – 42	
	4SR 4/22 F - HYD	49480422WI5	2.2	3	20 – **100**	167 – 61.5	
	4SR 4/30 F - HYD	49480430WI5	3	4	20 – **100**	228 – 84	
	4SR 4/40 F - HYD	49480440WI5	4	5.5	20 – **100**	304 – 112	
	4SR 4/54 F - HYD	49480454WI5	5.5	7.5	20 – **100**	410 – 151	
4SR6 F - HYD	**4SR 6/4 F - HYD**	49480604WI5	0.55	0.75	25 – **150**	25.5 – 9.5	**2"**
	4SR 6/6 F - HYD	49480606WI5	0.75	1	25 – **150**	38 – 14.5	
	4SR 6/9 F - HYD	49480609WI5	1.1	1.5	25 – **150**	57 – 21.5	
	4SR 6/13 F - HYD	49480613WI5	1.5	2	25 – **150**	83 – 31.5	
	4SR 6/17 F - HYD	49480617WI5	2.2	3	25 – **150**	108 – 41	
	4SR 6/24 F - HYD	49480624WI5	3	4	25 – **150**	152 – 58	
	4SR 6/32 F - HYD	49480632WI5	4	5.5	25 – **150**	203 – 77	
	4SR 6/43 F - HYD	49480643WI5	5.5	7.5	25 – **150**	273 – 104	
	4SR 6/58 F - HYD	49480658WI5	7.5	10	25 – **150**	368 – 140	
4SR8 F - HYD	**4SR 8/4 F - HYD**	49480804WI5	0.75	1	40 – **200**	27 – 8	**2"**
	4SR 8/7 F - HYD	49480807WI5	1.1	1.5	40 – **200**	47 – 14.5	
	4SR 8/9 F - HYD	49480809WI5	1.5	2	40 – **200**	60.5 – 18.5	
	4SR 8/13 F - HYD	49480813WI5	2.2	3	40 – **200**	87 – 26.5	
	4SR 8/17 F - HYD	49480817WI5	3	4	40 – **200**	114 – 35	
	4SR 8/24 F - HYD	49480824WI5	4	5.5	40 – **200**	161 – 49	
	4SR 8/32 F - HYD	49480832WI5	5.5	7.5	40 – **200**	214 – 65.5	
	4SR 8/43 F - HYD	49480843WI5	7.5	10	40 – **200**	288 – 88	

- Patent n. EP3123031, EP2419642

- **4SR F-HYD: suitable for pumping clean water with a maximum sand content of up to 200 g/m³**

SUBMERSIBLE PUMPS WITH PATENTED FLOATING IMPELLERS

4SR F PUMPS PAIRED WITH 4PD OR 4PS SUBMERSIBLE MOTORS

	MODEL	Code		POWER		PERFORMANCE		PORT
		Pump with motor	Pump with motor	P2		Q	H	
	Single-phase	4PD	4PS	kW	HP	l/min	m	DN
4SR1 F	4SRm 1/12 F	49480012WLA1	49480012WNA1	0.37	0.50	5 – **30**	71 – 30	1¼"
	4SRm 1/17 F	49480017WLA1	49480017WNA1	0.55	0.75	5 – **30**	100 – 42.5	
	4SRm 1/22 F	49480022WLA1	49480022WNA1	0.75	1	5 – **30**	130 – 55	
	4SRm 1/32 F	49480032WLA1	49480032WNA1	1.1	1.5	5 – **30**	188 – 80	
	4SRm 1/42 F	49480042WLA1	49480042WNA1	1.5	2	5 – **30**	247 – 105	
	Three-phase							
	4SR 1/12 F	49480012WLA	49480012WNA	0.37	0.50	5 – **30**	71 – 30	1¼"
	4SR 1/17 F	49480017WLA	49480017WNA	0.55	0.75	5 – **30**	100 – 42.5	
	4SR 1/22 F	49480022WLA	49480022WNA	0.75	1	5 – **30**	130 – 55	
	4SR 1/32 F	49480032WLA	49480032WNA	1.1	1.5	5 – **30**	188 – 80	
	4SR 1/42 F	49480042WLA	49480042WNA	1.5	2	5 – **30**	247 – 105	
4SR1.5 F	Single-phase							
	4SRm 1.5/7 F	49480107WLA1	49480107WNA1	0.37	0.50	5 – **45**	50 – 17	1¼"
	4SRm 1.5/11 F	49480111WLA1	49480111WNA1	0.55	0.75	5 – **45**	78 – 26.5	
	4SRm 1.5/15 F	49480115WLA1	49480115WNA1	0.75	1	5 – **45**	106 – 36	
	4SRm 1.5/22 F	49480122WLA1	49480122WNA1	1.1	1.5	5 – **45**	154 – 52.5	
	4SRm 1.5/30 F	49480130WLA1	49480130WNA1	1.5	2	5 – **45**	206 – 70	
	4SRm 1.5/44 F	49480144WLA1	49480144WNA1	2.2	3	5 – **45**	295 – 100	
	Three-phase							
	4SR 1.5/7 F	49480107WLA	49480107WNA	0.37	0.50	5 – **45**	50 – 17	1¼"
	4SR 1.5/11 F	49480111WLA	49480111WNA	0.55	0.75	5 – **45**	78 – 26.5	
	4SR 1.5/15 F	49480115WLA	49480115WNA	0.75	1	5 – **45**	106 – 36	
	4SR 1.5/22 F	49480122WLA	49480122WNA	1.1	1.5	5 – **45**	154 – 52.5	
	4SR 1.5/30 F	49480130WLA	49480130WNA	1.5	2	5 – **45**	206 – 70	
	4SR 1.5/44 F	49480144WLA	49480144WNA	2.2	3	5 – **45**	295 – 100	
4SR2 F	Single-phase							
	4SRm 2/6 F	49480206WLA1	49480206WNA1	0.37	0.50	10 – **65**	45 – 13	1¼"
	4SRm 2/9 F	49480209WLA1	49480209WNA1	0.55	0.75	10 – **65**	67 – 19.5	
	4SRm 2/12 F	49480212WLA1	49480212WNA1	0.75	1	10 – **65**	90 – 25.5	
	4SRm 2/17 F	49480217WLA1	49480217WNA1	1.1	1.5	10 – **65**	127 – 36.5	
	4SRm 2/23 F	49480223WLA1	49480223WNA1	1.5	2	10 – **65**	172 – 49	
	4SRm 2/33 F	49480233WLA1	49480233WNA1	2.2	3	10 – **65**	246 – 71	
	Three-phase							
	4SR 2/6 F	49480206WLA	49480206WNA	0.37	0.50	10 – **65**	45 – 13	1¼"
	4SR 2/9 F	49480209WLA	49480209WNA	0.55	0.75	10 – **65**	67 – 19.5	
	4SR 2/12 F	49480212WLA	49480212WNA	0.75	1	10 – **65**	90 – 25.5	
	4SR 2/17 F	49480217WLA	49480217WNA	1.1	1.5	10 – **65**	127 – 36.5	
	4SR 2/23 F	49480223WLA	49480223WNA	1.5	2	10 – **65**	172 – 49	
	4SR 2/33 F	49480233WLA	49480233WNA	2.2	3	10 – **65**	246 – 71	
	4SR 2/44 F	49480244WLA	49480244WNA	3	4	10 – **65**	328 – 94	

4PD = rewindable oil filled submersible motor

4PS = incapsulated water cooled submersible motor

- **The pumps fitted with a single phase motor are supplied with the capacitor included in the price**

- 2 m long power cable
- Patent n. EP3123031, EP2419642

- **4SR F: suitable for pumping clean water with a maximum sand content of up to 200 g/m³**

SUBMERSIBLE PUMPS WITH PATENTED FLOATING IMPELLERS

4SR F PUMPS PAIRED WITH 4PD OR 4PS SUBMERSIBLE MOTORS

	MODEL	Code		POWER		PERFORMANCE		PORT
		Pump with motor	Pump with motor	P2		Q	H	
	Single-phase	4PD	4PS	kW	HP	l/min	m	DN
4SR4 F	**4SRm 4/6 F**	49480406WLA1	49480406WNA1	0.55	0.75	20 – **100**	45.5 – 17	**1¼"**
	4SRm 4/8 F	49480408WLA1	49480408WNA1	0.75	1	20 – **100**	60.5 – 22.5	
	4SRm 4/12 F	49480412WLA1	49480412WNA1	1.1	1.5	20 – **100**	91 – 33.5	
	4SRm 4/15 F	49480415WLA1	49480415WNA1	1.5	2	20 – **100**	114 – 42	
	4SRm 4/22 F	49480422WLA1	49480422WNA1	2.2	3	20 – **100**	167 – 61.5	
	Three-phase							
	4SR 4/6 F	49480406WLA	49480406WNA	0.55	0.75	20 – **100**	45.5 – 17	**1¼"**
	4SR 4/8 F	49480408WLA	49480408WNA	0.75	1	20 – **100**	60.5 – 22.5	
	4SR 4/12 F	49480412WLA	49480412WNA	1.1	1.5	20 – **100**	91 – 33.5	
	4SR 4/15 F	49480415WLA	49480415WNA	1.5	2	20 – **100**	114 – 42	
	4SR 4/22 F	49480422WLA	49480422WNA	2.2	3	20 – **100**	167 – 61.5	
	4SR 4/30 F	49480430WLA	49480430WNA	3	4	20 – **100**	228 – 84	
	4SR 4/40 F	49480440WLA	49480440WNA	4	5.5	20 – **100**	304 – 112	
	4SR 4/54 F	49480454WLA	49480454WNA	5.5	7.5	20 – **100**	410 – 151	
4SR6 F	Single-phase							
	4SRm 6/4 F	49480604WLA1	49480604WNA1	0.55	0.75	25 – **150**	25.5 – 9.5	**2"**
	4SRm 6/6 F	49480606WLA1	49480606WNA1	0.75	1	25 – **150**	38 – 14.5	
	4SRm 6/9 F	49480609WLA1	49480609WNA1	1.1	1.5	25 – **150**	57 – 21.5	
	4SRm 6/13 F	49480613WLA1	49480613WNA1	1.5	2	25 – **150**	83 – 31.5	
	4SRm 6/17 F	49480617WLA1	49480617WNA1	2.2	3	25 – **150**	108 – 41	
	Three-phase							
	4SR 6/4 F	49480604WLA	49480604WNA	0.55	0.75	25 – **150**	25.5 – 9.5	**2"**
	4SR 6/6 F	49480606WLA	49480606WNA	0.75	1	25 – **150**	38 – 14.5	
	4SR 6/9 F	49480609WLA	49480609WNA	1.1	1.5	25 – **150**	57 – 21.5	
	4SR 6/13 F	49480613WLA	49480613WNA	1.5	2	25 – **150**	83 – 31.5	
	4SR 6/17 F	49480617WLA	49480617WNA	2.2	3	25 – **150**	108 – 41	
	4SR 6/24 F	49480624WLA	49480624WNA	3	4	25 – **150**	152 – 58	
	4SR 6/32 F	49480632WLA	49480632WNA	4	5.5	25 – **150**	203 – 77	
	4SR 6/43 F	49480643WLA	49480643WNA	5.5	7.5	25 – **150**	273 – 104	
	4SR 6/58 F	49480658WLA	49480658WNA	7.5	10	25 – **150**	368 – 140	
4SR8 F	Single-phase							
	4SRm 8/4 F	49480804WLA1	49480804WNA1	0.75	1	40 – **200**	27 – 8	**2"**
	4SRm 8/7 F	49480807WLA1	49480807WNA1	1.1	1.5	40 – **200**	47 – 14.5	
	4SRm 8/9 F	49480809WLA1	49480809WNA1	1.5	2	40 – **200**	60.5 – 18.5	
	4SRm 8/13 F	49480813WLA1	49480813WNA1	2.2	3	40 – **200**	87 – 26.5	
	Three-phase							
	4SR 8/4 F	49480804WLA	49480804WNA	0.75	1	40 – **200**	27 – 8	**2"**
	4SR 8/7 F	49480807WLA	49480807WNA	1.1	1.5	40 – **200**	47 – 14.5	
	4SR 8/9 F	49480809WLA	49480809WNA	1.5	2	40 – **200**	60.5 – 18.5	
	4SR 8/13 F	49480813WLA	49480813WNA	2.2	3	40 – **200**	87 – 26.5	
	4SR 8/17 F	49480817WLA	49480817WNA	3	4	40 – **200**	114 – 35	
	4SR 8/24 F	49480824WLA	49480824WNA	4	5.5	40 – **200**	161 – 49	
	4SR 8/32 F	49480832WLA	49480832WNA	5.5	7.5	40 – **200**	214 – 65.5	
	4SR 8/43 F	49480843WLA	49480843WNA	7.5	10	40 – **200**	288 – 88	

4PD = rewindable oil filled submersible motor

4PS = incapsulated water cooled submersible motor

- **The pumps fitted with a single phase motor are supplied with the capacitor included in the price**

- Power cable: 2 m for power from 0.55 to 2.2 kW, 3.6 m for power from 3 to 7.5 kW
- Patent n. EP3123031, EP2419642

- **4SR F: suitable for pumping clean water with a maximum sand content of up to 200 g/m³**

4SR N - HYD 4" SUBMERSIBLE PUMPS

	MODEL		P2 POWER REQUIRED		PERFORMANCE		PORT
	Pump	Code	kW	HP	Q l/min	H m	DN
4SR10 N - HYD	**4SR 10/5 N - HYD**	49481005WI5	0.75	1	50 – **250**	29.5 – 6	**2"**
	4SR 10/7 N - HYD	49481007WI5	1.1	1.5	50 – **250**	41.5 – 8.5	
	4SR 10/9 N - HYD	49481009WI5	1.5	2	50 – **250**	53 – 10.5	
	4SR 10/13 N - HYD	49481013WI5	2.2	3	50 – **250**	77 – 15.5	
	4SR 10/18 N - HYD	49481018WI5	3	4	50 – **250**	106 – 21	
	4SR 10/24 N - HYD	49481024WI5	4	5.5	50 – **250**	141 – 28.5	
	4SR 10/32 N - HYD	49481032WI5	5.5	7.5	50 – **250**	189 – 38	
	4SR 10/43 N - HYD	49481043WI5	7.5	10	50 – **250**	254 – 51	
4SR12 N - HYD	**4SR 12/5 N - HYD**	49481205WI5	0.75	1	50 – **300**	26 – 6	**2"**
	4SR 12/7 N - HYD	49481207WI5	1.1	1.5	50 – **300**	36.5 – 8.5	
	4SR 12/9 N - HYD	49481209WI5	1.5	2	50 – **300**	47 – 11	
	4SR 12/13 N - HYD	49481213WI5	2.2	3	50 – **300**	68 – 15.5	
	4SR 12/18 N - HYD	49481218WI5	3	4	50 – **300**	94 – 21.5	
	4SR 12/24 N - HYD	49481224WI5	4	5.5	50 – **300**	126 – 29	
	4SR 12/32 N - HYD	49481232WI5	5.5	7.5	50 – **300**	168 – 38.5	
	4SR 12/40 N - HYD	49481240WI5	7.5	10	50 – **300**	210 – 48	
4SR15 N - HYD	**4SR 15/6 N - HYD**	49481506WI5	1.1	1.5	50 – **350**	31.5 – 6	**2"**
	4SR 15/8 N - HYD	49481508WI5	1.5	2	50 – **350**	41.5 – 7.5	
	4SR 15/12 N - HYD	49481512WI5	2.2	3	50 – **350**	62.5 – 11.5	
	4SR 15/16 N - HYD	49481516WI5	3	4	50 – **350**	83 – 15.5	
	4SR 15/21 N - HYD	49481521WI5	4	5.5	50 – **350**	110 – 20	
	4SR 15/29 N - HYD	49481529WI5	5.5	7.5	50 – **350**	151 – 28	
	4SR 15/39 N - HYD	49481539WI5	7.5	10	50 – **350**	203 – 37.5	

- Patent n. EP2419642

4SR N-HYD: suitable for pumping clean water with a maximum sand content of up to 150 g/m³

- **All 4SR N pumps comply with EU regulation n. 547/2012 with minimum efficiency index MEI≥0.40**

4SR N PUMPS PAIRED WITH 4PD OR 4PS SUBMERSIBLE MOTORS

	MODEL	Code		POWER		PERFORMANCE		PORT
		Pump with motor	Pump with motor	P2		Q	H	
	Single-phase	4PD	4PS	kW	HP	l/min	m	DN
4SR10 N	4SRm 10/5 N	49481005WLA1	49481005WNA1	0.75	1	50 – **250**	29.5 – 6	**2"**
	4SRm 10/7 N	49481007WLA1	49481007WNA1	1.1	1.5	50 – **250**	41.5 – 8.5	
	4SRm 10/9 N	49481009WLA1	49481009WNA1	1.5	2	50 – **250**	53 – 10.5	
	4SRm 10/13 N	49481013WLA1	49481013WNA1	2.2	3	50 – **250**	77 – 15.5	
	Three-phase							
	4SR 10/5 N	49481005WLA	49481005WNA	0.75	1	50 – **250**	29.5 – 6	**2"**
	4SR 10/7 N	49481007WLA	49481007WNA	1.1	1.5	50 – **250**	41.5 – 8.5	
	4SR 10/9 N	49481009WLA	49481009WNA	1.5	2	50 – **250**	53 – 10.5	
	4SR 10/13 N	49481013WLA	49481013WNA	2.2	3	50 – **250**	77 – 15.5	
	4SR 10/18 N	49481018WLA	49481018WNA	3	4	50 – **250**	106 – 21	
	4SR 10/24 N	49481024WLA	49481024WNA	4	5.5	50 – **250**	141 – 28.5	
	4SR 10/32 N	49481032WLA	49481032WNA	5.5	7.5	50 – **250**	189 – 38	
	4SR 10/43 N	49481043WLA	49481043WNA	7.5	10	50 – **250**	254 – 51	
4SR12 N	Single-phase							
	4SRm 12/5 N	49481205WLA1	49481205WNA1	0.75	1	50 – **300**	26 – 6	**2"**
	4SRm 12/7 N	49481207WLA1	49481207WNA1	1.1	1.5	50 – **300**	36.5 – 8.5	
	4SRm 12/9 N	49481209WLA1	49481209WNA1	1.5	2	50 – **300**	47 – 11	
	4SRm 12/13 N	49481213WLA1	49481213WNA1	2.2	3	50 – **300**	68 – 15.5	
	Three-phase							
	4SR 12/5 N	49481205WLA	49481205WNA	0.75	1	50 – **300**	26 – 6	**2"**
	4SR 12/7 N	49481207WLA	49481207WNA	1.1	1.5	50 – **300**	36.5 – 8.5	
	4SR 12/9 N	49481209WLA	49481209WNA	1.5	2	50 – **300**	47 – 11	
	4SR 12/13 N	49481213WLA	49481213WNA	2.2	3	50 – **300**	68 – 15.5	
	4SR 12/18 N	49481218WLA	49481218WNA	3	4	50 – **300**	94 – 21.5	
	4SR 12/24 N	49481224WLA	49481224WNA	4	5.5	50 – **300**	126 – 29	
	4SR 12/32 N	49481232WLA	49481232WNA	5.5	7.5	50 – **300**	168 – 38.5	
	4SR 12/40 N	49481240WLA	49481240WNA	7.5	10	50 – **300**	210 – 48	
4SR15 N	Single-phase							
	4SRm 15/6 N	49481506WLA1	49481506WNA1	1.1	1.5	50 – **350**	31.5 – 6	**2"**
	4SRm 15/8 N	49481508WLA1	49481508WNA1	1.5	2	50 – **350**	41.5 – 7.5	
	4SRm 15/12 N	49481512WLA1	49481512WNA1	2.2	3	50 – **350**	62.5 – 11.5	
	Three-phase							
	4SR 15/6 N	49481506WLA	49481506WNA	1.1	1.5	50 – **350**	31.5 – 6	**2"**
	4SR 15/8 N	49481508WLA	49481508WNA	1.5	2	50 – **350**	41.5 – 7.5	
	4SR 15/12 N	49481512WLA	49481512WNA	2.2	3	50 – **350**	62.5 – 11.5	
	4SR 15/16 N	49481516WLA	49481516WNA	3	4	50 – **350**	83 – 15.5	
	4SR 15/21 N	49481521WLA	49481521WNA	4	5.5	50 – **350**	110 – 20	
	4SR 15/29 N	49481529WLA	49481529WNA	5.5	7.5	50 – **350**	151 – 28	
	4SR 15/39 N	49481539WLA	49481539WNA	7.5	10	50 – **350**	203 – 37.5	

4PD = rewindable oil filled submersible motor

4PS = incapsulated water cooled submersible motor

- **The pumps fitted with a single phase motor are supplied with the capacitor included in the price**

- Power cable: 2 m for power from 0.75 to 2.2 kW, 3.6 m for power from 3 to 7.5 kW
- Patent n. EP2419642

4SR N: suitable for pumping clean water with a maximum sand content of up to 150 g/m³

- **All 4SR N pumps comply with EU regulation n. 547/2012 with minimum efficiency index MEI≥0.40**

6SR - HYD 6" SUBMERSIBLE PUMPS

	MODEL		P2 POWER REQUIRED		PERFORMANCE Q	PERFORMANCE H	PORT
	Pumps	Code	kW	HP	l/min	m	DN
6SR 12 - HYD	**6SR 12/8 - HYD**	49I6A1208A1	4	5.5	50 – **330**	106 – 32	**3"**
	6SR 12/11 - HYD	49I6A1211A1	5.5	7.5	50 – **330**	146 – 44	
	6SR 12/15 - HYD	49I6A1215A1	7.5	10	50 – **330**	199 – 60	
	6SR 12/18 - HYD	49I6A1218A1	9.2	12.5	50 – **330**	239 – 72	
	6SR 12/21 - HYD	49I6A1221A1	11	15	50 – **330**	279 – 84	
	6SR 12/25 - HYD	49I6A1225A1	13	17.5	50 – **330**	331 – 100	
	6SR 12/28 - HYD	49I6A1228A1	15	20	50 – **330**	371 – 112	
6SR 18 - HYD	**6SR 18/4 - HYD**	49I6A1804A1	4	5.5	50 – **450**	53.8 – 22	**3"**
	6SR 18/6 - HYD	49I6A1806A1	5.5	7.5	50 – **450**	80.5 – 32	
	6SR 18/9 - HYD	49I6A1809A1	7.5	10	50 – **450**	121 – 48	
	6SR 18/11 - HYD	49I6A1811A1	9.2	12.5	50 – **450**	148 – 59	
	6SR 18/13 - HYD	49I6A1813A1	11	15	50 – **450**	175 – 70	
	6SR 18/15 - HYD	49I6A1815A1	13	17.5	50 – **450**	202 – 80	
	6SR 18/18 - HYD	49I6A1818A1	15	20	50 – **450**	242 – 96	
	6SR 18/22 - HYD	49I6A1822A1	18.5	25	50 – **450**	296 – 118	
	6SR 18/26 - HYD	49I6A1826A1	22	30	50 – **450**	350 – 139	
6SR 27 - HYD	**6SR 27/4 - HYD**	49I6A2704A1	4	5.5	100 – **600**	53 – 18	**3"**
	6SR 27/5 - HYD	49I6A2705A1	5.5	7.5	100 – **600**	66 – 22	
	6SR 27/7 - HYD	49I6A2707A1	7.5	10	100 – **600**	92 – 31	
	6SR 27/8 - HYD	49I6A2708A1	9.2	12.5	100 – **600**	106 – 35	
	6SR 27/10 - HYD	49I6A2710A1	11	15	100 – **600**	132 – 44	
	6SR 27/12 - HYD	49I6A2712A1	13	17.5	100 – **600**	159 – 53	
	6SR 27/14 - HYD	49I6A2714A1	15	20	100 – **600**	185 – 62	
	6SR 27/17 - HYD	49I6A2717A1	18.5	25	100 – **600**	224 – 75	
	6SR 27/20 - HYD	49I6A2720A1	22	30	100 – **600**	264 – 88	
	6SR 27/27 - HYD	49I6A2727A1	30	40	100 – **600**	356 – 119	
6SR 36 - HYD	**6SR 36/4 - HYD**	49I6A3604A	4	5.5	100 – **800**	45 – 14	**3"**
	6SR 36/6 - HYD	49I6A3606A	5.5	7.5	100 – **800**	67 – 20	
	6SR 36/8 - HYD	49I6A3608A	7.5	10	100 – **800**	89 – 27	
	6SR 36/10 - HYD	49I6A3610A	9.2	12.5	100 – **800**	111 – 34	
	6SR 36/11 - HYD	49I6A3611A	11	15	100 – **800**	123 – 37	
	6SR 36/13 - HYD	49I6A3613A	13	17.5	100 – **800**	145 – 44	
	6SR 36/15 - HYD	49I6A3615A	15	20	100 – **800**	167 – 51	
	6SR 36/19 - HYD	49I6A3619A	18.5	25	100 – **800**	212 – 65	
	6SR 36/23 - HYD	49I6A3623A	22	30	100 – **800**	256 – 78	
6SR 44 - HYD	**6SR 44/3 - HYD**	49I6A4403A	4	5.5	200 – **1000**	33 – 13	**3"**
	6SR 44/4 - HYD	49I6A4404A	5.5	7.5	200 – **1000**	44 – 18	
	6SR 44/5 - HYD	49I6A4405A	7.5	10	200 – **1000**	54 – 22	
	6SR 44/6 - HYD	49I6A4406A	9.2	12.5	200 – **1000**	65 – 26	
	6SR 44/8 - HYD	49I6A4408A	11	15	200 – **1000**	87 – 35	
	6SR 44/9 - HYD	49I6A4409A	13	17.5	200 – **1000**	98 – 39	
	6SR 44/11 - HYD	49I6A4411A	15	20	200 – **1000**	120 – 48	
	6SR 44/13 - HYD	49I6A4413A	18.5	25	200 – **1000**	141 – 57	
	6SR 44/16 - HYD	49I6A4416A	22	30	200 – **1000**	174 – 70	
	6SR 44/21 - HYD	49I6A4421A	30	40	200 – **1000**	228 – 92	

6SR-HYD: suitable for pumping clean water with a maximum sand content of up to 100 g/m³

6SR PUMPS PAIRED WITH 6PD OR 6PSR SUBMERSIBLE MOTORS

	MODEL	Code		POWER		PERFORMANCE		PORT
		Pump with motor	Pump with motor	P2		Q	H	
	Three-phase	6PD	6PSR	kW	HP	l/min	m	DN
6SR 12	**6SR 12/8**	496B1208A	496B1208NA	4	5.5 (1)	50 – **330**	106 – 32	**3"**
	6SR 12/11	496B1211A	496B1211NA	5.5	7.5	50 – **330**	146 – 44	
	6SR 12/15	496B1215A	496B1215NA	7.5	10	50 – **330**	199 – 60	
	6SR 12/18	496B1218A	496B1218NA	9.2	12.5	50 – **330**	239 – 72	
	6SR 12/21	496B1221A	496B1221NA	11	15	50 – **330**	279 – 84	
	6SR 12/25	496B1225A	496B1225NA	13	17.5	50 – **330**	331 – 100	
	6SR 12/28	496B1228A	496B1228NA	15	20	50 – **330**	371 – 112	
6SR 18	**6SR 18/4**	496B1804A	496B1804NA	4	5.5 (1)	50 – **450**	53.8 – 22	**3"**
	6SR 18/6	496B1806A	496B1806NA	5.5	7.5	50 – **450**	80.5 – 32	
	6SR 18/9	496B1809A	496B1809NA	7.5	10	50 – **450**	121 – 48	
	6SR 18/11	496B1811A	496B1811NA	9.2	12.5	50 – **450**	148 – 59	
	6SR 18/13	496B1813A	496B1813NA	11	15	50 – **450**	175 – 70	
	6SR 18/15	496B1815A	496B1815NA	13	17.5	50 – **450**	202 – 80	
	6SR 18/18	496B1818A	496B1818NA	15	20	50 – **450**	242 – 96	
	6SR 18/22	496B1822A	496B1822NA	18.5	25	50 – **450**	296 – 118	
	6SR 18/26	496B1826A	496B1826NA	22	30	50 – **450**	350 – 139	
6SR 27	**6SR 27/4**	496B2704A	496B2704NA	4	5.5 (1)	100 – **600**	53 – 18	**3"**
	6SR 27/5	496B2705A	496B2705NA	5.5	7.5	100 – **600**	66 – 22	
	6SR 27/7	496B2707A	496B2707NA	7.5	10	100 – **600**	92 – 31	
	6SR 27/8	496B2708A	496B2708NA	9.2	12.5	100 – **600**	106 – 35	
	6SR 27/10	496B2710A	496B2710NA	11	15	100 – **600**	132 – 44	
	6SR 27/12	496B2712A	496B2712NA	13	17.5	100 – **600**	159 – 53	
	6SR 27/14	496B2714A	496B2714NA	15	20	100 – **600**	185 – 62	
	6SR 27/17	496B2717A	496B2717NA	18.5	25	100 – **600**	224 – 75	
	6SR 27/20	496B2720A	496B2720NA	22	30	100 – **600**	264 – 88	
	6SR 27/27	496B2727A	496B2727NA	30	40	100 – **600**	356 – 119	
6SR 36	**6SR 36/4**	496B3604A	496B3604NA	4	5.5 (1)	100 – **800**	45 – 14	**3"**
	6SR 36/6	496B3606A	496B3606NA	5.5	7.5	100 – **800**	67 – 20	
	6SR 36/8	496B3608A	496B3608NA	7.5	10	100 – **800**	89 – 27	
	6SR 36/10	496B3610A	496B3610NA	9.2	12.5	100 – **800**	111 – 34	
	6SR 36/11	496B3611A	496B3611NA	11	15	100 – **800**	123 – 37	
	6SR 36/13	496B3613A	496B3613NA	13	17.5	100 – **800**	145 – 44	
	6SR 36/15	496B3615A	496B3615NA	15	20	100 – **800**	167 – 51	
	6SR 36/19	496B3619A	496B3619NA	18.5	25	100 – **800**	212 – 65	
	6SR 36/23	496B3623A	496B3623NA	22	30	100 – **800**	256 – 78	
6SR 44	**6SR 44/3**	496B4403A	496B4403NA	4	5.5 (1)	200 – **1000**	33 – 13	**3"**
	6SR 44/4	496B4404A	496B4404NA	5.5	7.5	200 – **1000**	44 – 18	
	6SR 44/5	496B4405A	496B4405NA	7.5	10	200 – **1000**	54 – 22	
	6SR 44/6	496B4406A	496B4406NA	9.2	12.5	200 – **1000**	65 – 26	
	6SR 44/8	496B4408A	496B4408NA	11	15	200 – **1000**	87 – 35	
	6SR 44/9	496B4409A	496B4409NA	13	17.5	200 – **1000**	98 – 39	
	6SR 44/11	496B4411A	496B4411NA	15	20	200 – **1000**	120 – 48	
	6SR 44/13	496B4413A	496B4413NA	18.5	25	200 – **1000**	141 – 57	
	6SR 44/16	496B4416A	496B4416NA	22	30	200 – **1000**	174 – 70	
	6SR 44/21	496B4421A	496B4421NA	30	40	200 – **1000**	228 – 92	

(1) **Only for pumps with a 6PSR motor**: 7.5 HP motor

- **6PD = rewindable oil filled submersible motor**
- **6PSR = rewindable water cooled submersible motor**
- Power cable: 4 metres standard equipment

OPTIONS AVAILABLE ON REQUEST

- Pumps with dual voltage 400/690 V (star/delta) motor from 11 kW to 30 kW

6SR: suitable for pumping clean water with a maximum sand content of up to 100 g/m³

4HR - HYD 4" SUBMERSIBLE PUMPS

	MODEL		P2 POWER REQUIRED		PERFORMANCE		PORT
					Q	H	
	Pump	Code	kW	HP	l/min	m	DN
4HR 10 - HYD	**4HR 10/5 - HYD**	494H1005WI5	0.75	1	50 – **250**	25.5 – 7	**2"**
	4HR 10/7 - HYD	494H1007WI5	1.1	1.5	50 – **250**	36 – 10	
	4HR 10/10 - HYD	494H1010WI5	1.5	2	50 – **250**	51.5 – 14	
	4HR 10/15 - HYD	494H1015WI5	2.2	3	50 – **250**	77 – 21	
	4HR 10/20 - HYD	494H1020WI5	3	4	50 – **250**	103 – 28	
	4HR 10/28 - HYD	494H1028WI5	4	5.5	50 – **250**	144 – 39	
4HR 14 - HYD	**4HR 14/6 - HYD**	494H1406WI5	1.1	1.5	50 – **340**	28.5 – 7.5	**2"**
	4HR 14/8 - HYD	494H1408WI5	1.5	2	50 – **340**	38.5 – 10	
	4HR 14/12 - HYD	494H1412WI5	2.2	3	50 – **340**	57.5 – 15	
	4HR 14/16 - HYD	494H1416WI5	3	4	50 – **340**	77 – 20	
	4HR 14/21 - HYD	494H1421WI5	4	5.5	50 – **340**	100 – 26.5	
	4HR 14/29 - HYD	494H1429WI5	5.5	7.5	50 – **340**	139 – 36.5	
4HR 18 - HYD	**4HR 18/4 - HYD**	494H1804WI5	1.1	1.5	50 – **420**	22 – 5	**2"**
	4HR 18/6 - HYD	494H1806WI5	1.5	2	50 – **420**	33.5 – 7	
	4HR 18/9 - HYD	494H1809WI5	2.2	3	50 – **420**	50 – 11	
	4HR 18/12 - HYD	494H1812WI5	3	4	50 – **420**	66.5 – 14.5	
	4HR 18/16 - HYD	494H1816WI5	4	5.5	50 – **420**	89 – 19	
	4HR 18/22 - HYD	494H1822WI5	5.5	7.5	50 – **420**	122 – 26.5	
	4HR 18/30 - HYD	494H1830WI5	7.5	10	50 – **420**	167 – 36	

- **Pumps entirely in AISI 304 cast stainless steel**
- Registered EU Design n. 004128619
- Patent n. EP2419642

4HR-HYD: suitable for pumping clean water with a maximum sand content of up to 100 g/m^3

4HR PUMPS PAIRED WITH 4PD OR 4PS SUBMERSIBLE MOTORS

MODEL		Code		POWER		PERFORMANCE		PORT
		Pump with motor	Pump with motor	P2		Q	H	
	Single-phase	4PD	4PS	kW	HP	l/min	m	DN
4HR 10	**4HRm 10/5**	494H1005WLA1	494H1005WNA1	0.75	1	50 – **250**	25.5 – 7	**2"**
	4HRm 10/7	494H1007WLA1	494H1007WNA1	1.1	1.5	50 – **250**	36 – 10	
	4HRm 10/10	494H1010WLA1	494H1010WNA1	1.5	2	50 – **250**	51.5 – 14	
	4HRm 10/15	494H1015WLA1	494H1015WNA1	2.2	3	50 – **250**	77 – 21	
	Three-phase							
	4HR 10/5	494H1005WLA	494H1005WNA	0.75	1	50 – **250**	25.5 – 7	**2"**
	4HR 10/7	494H1007WLA	494H1007WNA	1.1	1.5	50 – **250**	36 – 10	
	4HR 10/10	494H1010WLA	494H1010WNA	1.5	2	50 – **250**	51.5 – 14	
	4HR 10/15	494H1015WLA	494H1015WNA	2.2	3	50 – **250**	77 – 21	
	4HR 10/20	494H1020WLA	494H1020WNA	3	4	50 – **250**	103 – 28	
	4HR 10/28	494H1028WLA	494H1028WNA	4	5.5	50 – **250**	144 – 39	
4HR 14	**Single-phase**							
	4HRm 14/6	494H1406WLA1	494H1406WNA1	1.1	1.5	50 – **340**	28.5 – 7.5	**2"**
	4HRm 14/8	494H1408WLA1	494H1408WNA1	1.5	2	50 – **340**	38.5 – 10	
	4HRm 14/12	494H1412WLA1	494H1412WNA1	2.2	3	50 – **340**	57.5 – 15	
	Three-phase							
	4HR 14/6	494H1406WLA	494H1406WNA	1.1	1.5	50 – **340**	28.5 – 7.5	**2"**
	4HR 14/8	494H1408WLA	494H1408WNA	1.5	2	50 – **340**	38.5 – 10	
	4HR 14/12	494H1412WLA	494H1412WNA	2.2	3	50 – **340**	57.5 – 15	
	4HR 14/16	494H1416WLA	494H1416WNA	3	4	50 – **340**	77 – 20	
	4HR 14/21	494H1421WLA	494H1421WNA	4	5.5	50 – **340**	100 – 26.5	
	4HR 14/29	494H1429WLA	494H1429WNA	5.5	7.5	50 – **340**	139 – 36.5	
4HR 18	**Single-phase**							
	4HRm 18/4	494H1804WLA1	494H1804WNA1	1.1	1.5	50 – **420**	22 – 5	**2"**
	4HRm 18/6	494H1806WLA1	494H1806WNA1	1.5	2	50 – **420**	33.5 – 7	
	4HRm 18/9	494H1809WLA1	494H1809WNA1	2.2	3	50 – **420**	50 – 11	
	Three-phase							
	4HR 18/4	494H1804WLA	494H1804WNA	1.1	1.5	50 – **420**	22 – 5	**2"**
	4HR 18/6	494H1806WLA	494H1806WNA	1.5	2	50 – **420**	33.5 – 7	
	4HR 18/9	494H1809WLA	494H1809WNA	2.2	3	50 – **420**	50 – 11	
	4HR 18/12	494H1812WLA	494H1812WNA	3	4	50 – **420**	66.5 – 14.5	
	4HR 18/16	494H1816WLA	494H1816WNA	4	5.5	50 – **420**	89 – 19	
	4HR 18/22	494H1822WLA	494H1822WNA	5.5	7.5	50 – **420**	122 – 26.5	
	4HR 18/30	494H1830WLA	494H1830WNA	7.5	10	50 – **420**	167 – 36	

4PD = rewindable oil filled submersible motor

4PS = incapsulated water cooled submersible motor

- **The pumps fitted with a single phase motor are supplied with the capacitor included in the price**

- **Pumps entirely in AISI 304 cast stainless steel**
- Power cable: 2 m for power from 0.75 to 2.2 kW, 3.6 m for power from 3 to 7.5 kW
- Registered EU Design n. 004128619
- Patent n. EP2419642

4HR: suitable for pumping clean water with a maximum sand content of up to 100 g/m³

6HR - HYD 6" SUBMERSIBLE PUMPS

	MODEL		P2 POWER REQUIRED		PERFORMANCE Q	PERFORMANCE H	PORT
	Pumps	Code	kW	HP	l/min	m	DN
6HR 34 - HYD	**6HR 34/3 - HYD**	496H3403WI5	4	5.5	100 – **800**	40 – 19	**3"**
	6HR 34/4 - HYD	496H3404WI5	5.5	7.5	100 – **800**	53 – 25.5	
	6HR 34/5 - HYD	496H3405WI5	7.5	10	100 – **800**	66.5 – 32	
	6HR 34/6 - HYD	496H3406WI5	9.2	12.5	100 – **800**	80 – 38	
	6HR 34/7 - HYD	496H3407WI5	11	15	100 – **800**	93 – 45	
	6HR 34/8 - HYD	496H3408WI5	11	15	100 – **800**	106 – 51	
	6HR 34/9 - HYD	496H3409WI5	13	17.5	100 – **800**	120 – 58	
	6HR 34/11 - HYD	496H3411WI5	15	20	100 – **800**	146 – 70	
	6HR 34/13 - HYD	496H3413WI5	18.5	25	100 – **800**	173 – 83	
	6HR 34/16 - HYD	496H3416WI5	22	30	100 – **800**	213 – 102	
	6HR 34/19 - HYD	496H3419WI5	26	35	100 – **800**	253 – 122	
	6HR 34/22 - HYD	496H3422WI5	30	40	100 – **800**	293 – 141	
	6HR 34/27 - HYD	496H3427WI5	37	50	100 – **800**	359 – 173	
6HR 44 - HYD	**6HR 44/3 - HYD**	496H4403WI5	5.5	7.5	200 – **1000**	38 – 17	**3"**
	6HR 44/4 - HYD	496H4404WI5	7.5	10	200 – **1000**	51 – 23	
	6HR 44/5 - HYD	496H4405WI5	7.5	10	200 – **1000**	63.5 – 29	
	6HR 44/6 - HYD	496H4406WI5	9.2	12.5	200 – **1000**	76 – 35	
	6HR 44/7 - HYD	496H4407WI5	11	15	200 – **1000**	89 – 40.5	
	6HR 44/9 - HYD	496H4409WI5	13	17.5	200 – **1000**	114.5 – 52	
	6HR 44/10 - HYD	496H4410WI5	15	20	200 – **1000**	127 – 58	
	6HR 44/12 - HYD	496H4412WI5	18.5	25	200 – **1000**	152 – 70	
	6HR 44/15 - HYD	496H4415WI5	22	30	200 – **1000**	191 – 87	
	6HR 44/18 - HYD	496H4418WI5	26	35	200 – **1000**	229 – 104	
	6HR 44/20 - HYD	496H4420WI5	30	40	200 – **1000**	254 – 116	
	6HR 44/25 - HYD	496H4425WI5	37	50	200 – **1000**	318 – 145	
6HR 54 - HYD	**6HR 54/3 - HYD**	496H5403WI5	5.5	7.5	300 – **1200**	34 – 16	**3"**
	6HR 54/4 - HYD	496H5404WI5	7.5	10	300 – **1200**	45.5 – 21	
	6HR 54/5 - HYD	496H5405WI5	9.2	12.5	300 – **1200**	57 – 26.5	
	6HR 54/6 - HYD	496H5406WI5	11	15	300 – **1200**	68.5 – 31.5	
	6HR 54/8 - HYD	496H5408WI5	13	17.5	300 – **1200**	91 – 42	
	6HR 54/9 - HYD	496H5409WI5	15	20	300 – **1200**	103 – 47	
	6HR 54/11 - HYD	496H5411WI5	18.5	25	300 – **1200**	125 – 58	
	6HR 54/13 - HYD	496H5413WI5	22	30	300 – **1200**	148 – 68	
	6HR 54/16 - HYD	496H5416WI5	26	35	300 – **1200**	182 – 84	
	6HR 54/18 - HYD	496H5418WI5	30	40	300 – **1200**	205 – 95	
	6HR 54/22 - HYD	496H5422WI5	37	50	300 – **1200**	251 – 116	
6HR 64 - HYD	**6HR 64/3 - HYD**	496H6403WI5	7.5	10	400 – **1500**	33 – 15	**3"**
	6HR 64/4 - HYD	496H6404WI5	9.2	12.5	400 – **1500**	43.5 – 20	
	6HR 64/5 - HYD	496H6405WI5	11	15	400 – **1500**	54.5 – 25	
	6HR 64/6 - HYD	496H6406WI5	13	17.5	400 – **1500**	65.5 – 30	
	6HR 64/7 - HYD	496H6407WI5	15	20	400 – **1500**	76 – 35	
	6HR 64/8 - HYD	496H6408WI5	18.5	25	400 – **1500**	87 – 40	
	6HR 64/10 - HYD	496H6410WI5	22	30	400 – **1500**	109 – 50	
	6HR 64/12 - HYD	496H6412WI5	26	35	400 – **1500**	131 – 60	
	6HR 64/14 - HYD	496H6414WI5	30	40	400 – **1500**	153 – 70	
	6HR 64/17 - HYD	496H6417WI5	37	50	400 – **1500**	186 – 85	

- **Pumps entirely in AISI 304 cast stainless steel**
- Registered EU Design n. 004675106-0001, 004675106-0002

6HR-HYD: suitable for pumping clean water with a maximum sand content of up to 100 g/m³

6HR PUMPS PAIRED WITH 6PD OR 6PSR SUBMERSIBLE MOTORS

	MODEL	Code		POWER		PERFORMANCE		PORT
		Pump with motor	Pump with motor	P2		Q	H	
	Three-phase	6PD	6PSR	kW	HP	l/min	m	DN
6HR 34	**6HR 34/3**	496H3403WLA	496H3403WNA	4	5.5 (1)	100 – **800**	40 – 19	**3"**
	6HR 34/4	496H3404WLA	496H3404WNA	5.5	7.5	100 – **800**	53 – 25.5	
	6HR 34/5	496H3405WLA	496H3405WNA	7.5	10	100 – **800**	66.5 – 32	
	6HR 34/6	496H3406WLA	496H3406WNA	9.2	12.5	100 – **800**	80 – 38	
	6HR 34/7	496H3407WLA	496H3407WNA	11	15	100 – **800**	93 – 45	
	6HR 34/8	496H3408WLA	496H3408WNA	11	15	100 – **800**	106 – 51	
	6HR 34/9	496H3409WLA	496H3409WNA	13	17.5	100 – **800**	120 – 58	
	6HR 34/11	496H3411WLA	496H3411WNA	15	20	100 – **800**	146 – 70	
	6HR 34/13	496H3413WLA	496H3413WNA	18.5	25	100 – **800**	173 – 83	
	6HR 34/16	496H3416WLA	496H3416WNA	22	30	100 – **800**	213 – 102	
	6HR 34/19	496H3419WLA	496H3419WNA	26	35 (2)	100 – **800**	253 – 122	
	6HR 34/22	496H3422WLA	496H3422WNA	30	40	100 – **800**	293 – 141	
	6HR 34/27	496H3427WLA	496H3427WNA	37	50	100 – **800**	359 – 173	
6HR 44	**6HR 44/3**	496H4403WLA	496H4403WNA	5.5	7.5	200 – **1000**	38 – 17	**3"**
	6HR 44/4	496H4404WLA	496H4404WNA	7.5	10	200 – **1000**	51 – 23	
	6HR 44/5	496H4405WLA	496H4405WNA	7.5	10	200 – **1000**	63.5 – 29	
	6HR 44/6	496H4406WLA	496H4406WNA	9.2	12.5	200 – **1000**	76 – 35	
	6HR 44/7	496H4407WLA	496H4407WNA	11	15	200 – **1000**	89 – 40.5	
	6HR 44/9	496H4409WLA	496H4409WNA	13	17.5	200 – **1000**	114.5 – 52	
	6HR 44/10	496H4410WLA	496H4410WNA	15	20	200 – **1000**	127 – 58	
	6HR 44/12	496H4412WLA	496H4412WNA	18.5	25	200 – **1000**	152 – 70	
	6HR 44/15	496H4415WLA	496H4415WNA	22	30	200 – **1000**	191 – 87	
	6HR 44/18	496H4418WLA	496H4418WNA	26	35 (2)	200 – **1000**	229 – 104	
	6HR 44/20	496H4420WLA	496H4420WNA	30	40	200 – **1000**	254 – 116	
	6HR 44/25	496H4425WLA	496H4425WNA	37	50	200 – **1000**	318 – 145	
6HR 54	**6HR 54/3**	496H5403WLA	496H5403WNA	5.5	7.5	300 – **1200**	34 – 16	**3"**
	6HR 54/4	496H5404WLA	496H5404WNA	7.5	10	300 – **1200**	45.5 – 21	
	6HR 54/5	496H5405WLA	496H5405WNA	9.2	12.5	300 – **1200**	57 – 26.5	
	6HR 54/6	496H5406WLA	496H5406WNA	11	15	300 – **1200**	68.5 – 31.5	
	6HR 54/8	496H5408WLA	496H5408WNA	13	17.5	300 – **1200**	91 – 42	
	6HR 54/9	496H5409WLA	496H5409WNA	15	20	300 – **1200**	103 – 47	
	6HR 54/11	496H5411WLA	496H5411WNA	18.5	25	300 – **1200**	125 – 58	
	6HR 54/13	496H5413WLA	496H5413WNA	22	30	300 – **1200**	148 – 68	
	6HR 54/16	496H5416WLA	496H5416WNA	26	35 (2)	300 – **1200**	182 – 84	
	6HR 54/18	496H5418WLA	496H5418WNA	30	40	300 – **1200**	205 – 95	
	6HR 54/22	496H5422WLA	496H5422WNA	37	50	300 – **1200**	251 – 116	
6HR 64	**6HR 64/3**	496H6403WLA	496H6403WNA	7.5	10	400 – **1500**	33 – 15	**3"**
	6HR 64/4	496H6404WLA	496H6404WNA	9.2	12.5	400 – **1500**	43.5 – 20	
	6HR 64/5	496H6405WLA	496H6405WNA	11	15	400 – **1500**	54.5 – 25	
	6HR 64/6	496H6406WLA	496H6406WNA	13	17.5	400 – **1500**	65.5 – 30	
	6HR 64/7	496H6407WLA	496H6407WNA	15	20	400 – **1500**	76 – 35	
	6HR 64/8	496H6408WLA	496H6408WNA	18.5	25	400 – **1500**	87 – 40	
	6HR 64/10	496H6410WLA	496H6410WNA	22	30	400 – **1500**	109 – 50	
	6HR 64/12	496H6412WLA	496H6412WNA	26	35 (2)	400 – **1500**	131 – 60	
	6HR 64/14	496H6414WLA	496H6414WNA	30	40	400 – **1500**	153 – 70	
	6HR 64/17	496H6417WLA	496H6417WNA	37	50	400 – **1500**	186 – 85	

(1) **Only for pumps with a 6PSR motor**: 7.5 HP motor
(2) Pump fitted with a 40 HP motor

- **6PD = rewindable oil filled submersible motor**
- **6PSR = rewindable water cooled submersible motor**
- **Pumps entirely in AISI 304 cast stainless steel**
- Power cable: 4 metres standard equipment
- Registered EU Design n. 004675106-0001, 004675106-0002

OPTIONS AVAILABLE ON REQUEST

- Pumps with dual voltage 400/690 V (star/delta) motor from 11 kW to 37 kW

6HR: suitable for pumping clean water with a maximum sand content of up to 100 g/m³

4PD 4" SUBMERSIBLE MOTORS

Single-ph. 230 V / 50 Hz	Code	P2 kW	P2 HP
4PDm / 0.50	4ZPC05A1	0.37	0.50
4PDm / 0.75	4ZPC07A1	0.55	0.75
4PDm / 1	4ZPC10A1	0.75	1
4PDm / 1.5	4ZPC15A1	1.1	1.5
4PDm / 2	4ZPC20A1	1.5	2
4PDm / 3	4ZPC30A1	2.2	3

Three-ph. 400 V / 50 Hz	Code	P2 kW	P2 HP
4PD / 0.50	4ZPC05A	0.37	0.50
4PD / 0.75	4ZPC07A	0.55	0.75
4PD / 1	4ZPC10A	0.75	1
4PD / 1.5	4ZPC15A	1.1	1.5
4PD / 2	4ZPC20A	1.5	2
4PD / 3	4ZPC30A	2.2	3
4PD / 4	4ZPC40A	3	4
4PD / 5.5	4ZPC55A	4	5.5
4PD / 7.5	4ZPC75A	5.5	7.5
4PD / 10	4ZPC100A	7.5	10

- **Rewindable submersible motors in a non-toxic oil bath** (suitable for use in the foods sector)
- **Motor sleeve: AISI 316 stainless steel**
- **Shaft: "DUPLEX" stainless steel**
- Power cable: 2 m for power from 0.37 to 2.2 kW, 3.6 m for power from 3 to 7.5 kW
- **The single phase motor is supplied with the capacitor included in the price**

SACRIFICIAL ANODE FOR 4PD SUBMERSIBLE MOTORS

ANODE 4PD	ASS4PDA01

- The sacrificial anode is made of a special "cadmium free" zinc-aluminium alloy, suitable for contact with drinking water. It can be easily attached to the bottom of the 4PD motors to protect them from corrosion in the presence of stray currents or particularly aggressive water, greatly increasing the life of the motor components.

4PS 4" SUBMERSIBLE MOTORS

Single-ph. 230 V / 50 Hz	Code	P2 kW	P2 HP
4PSm / 0.50	4ZPM05A1	0.37	0.50
4PSm / 0.75	4ZPM07A1	0.55	0.75
4PSm / 1	4ZPM10A1	0.75	1
4PSm / 1.5	4ZPM15A1	1.1	1.5
4PSm / 2	4ZPM20A1	1.5	2
4PSm / 3	4ZPM30A1	2.2	3

Three-ph. 400 V / 50 Hz	Code	P2 kW	P2 HP
4PS / 0.50	4ZPM05A	0.37	0.50
4PS / 0.75	4ZPM07A	0.55	0.75
4PS / 1	4ZPM10A	0.75	1
4PS / 1.5	4ZPM15A	1.1	1.5
4PS / 2	4ZPM20A	1.5	2
4PS / 3	4ZPM30A	2.2	3
4PS / 4	4ZPM40A	3	4
4PS / 5.5	4ZPM55A	4	5.5
4PS / 7.5	4ZPM75A	5.5	7.5
4PS / 10	4ZPM910A	7.5	10

- **Motor sleeve: AISI 316 stainless steel**
- **Shaft: "DUPLEX" stainless steel**
- Submersible motors encapsulated in water
- Power cable: 2 m for power from 0.37 to 2.2 kW, 3.6 m for power from 3 to 7.5 kW
- **The single phase motor is supplied with the capacitor included in the price**

For three-phase 230 V-50 Hz electric motor apply an increase for **5%**

INTEGRAL CABLES WITH CONNECTOR

MODEL	CODE	LENGTH	CABLE SECTION	COMPATIBLE POWER
For motors 4PD and 4PS				
4G1.5 – 10m	4ZC4C03100F	**10 m**	**4x1.5** mm²	from 0.37 to 1.1 kW
4G1.5 – 20m	4ZC4C03200F	**20 m**	**4x1.5** mm²	
4G1.5 – 30m	4ZC4C03300F	**30 m**	**4x1.5** mm²	
4G1.5 – 40m	4ZC4C03400F	**40 m**	**4x1.5** mm²	
4G2 – 10m	4ZC4C04100F	**10 m**	**4x2** mm²	from 1.5 to 5.5 kW
4G2 – 20m	4ZC4C04200F	**20 m**	**4x2** mm²	
4G2 – 30m	4ZC4C04300F	**30 m**	**4x2** mm²	
4G2 – 40m	4ZC4C04400F	**40 m**	**4x2** mm²	
For motors 6PD				
4G4 – 10m	6ZE6C01100F	**10 m**	**4x4** mm²	from 4 a 11 kW
4G4 – 20m	6ZE6C01200F	**20 m**	**4x4** mm²	
4G4 – 30m	6ZE6C01300F	**30 m**	**4x4** mm²	
4G4 – 40m	6ZE6C01400F	**40 m**	**4x4** mm²	
4G8 – 10m	6ZE6C02100F	**10 m**	**4x8** mm²	from 15 to 22 kW
4G8 – 20m	6ZE6C02200F	**20 m**	**4x8** mm²	
4G8 – 30m	6ZE6C02300F	**30 m**	**4x8** mm²	
4G8 – 40m	6ZE6C02400F	**40 m**	**4x8** mm²	
4G8 – 50m	6ZE6C02500F	**50 m**	**4x8** mm²	

- Flat power cable complete with quick coupling connector

6PD 6" SUBMERSIBLE MOTORS

DIRECT START MOTORS

Three-ph. 400 V / 50 Hz	Code	P2 kW	P2 HP
6PD / 5.5	6ZPC6055A	4	5.5
6PD / 7.5	6ZPC6075A	5.5	7.5
6PD / 10	6ZPC6100A	7.5	10
6PD / 12.5	6ZPC6125A	9.2	12.5
6PD / 15	6ZPC6150A	11	15
6PD / 20	6ZPC6200A	15	20
6PD / 25	6ZPC6250A	18.5	25
6PD / 30	6ZPC6300A	22	30
6PD / 40	6ZPC6400A	30	40
6PD / 50	6ZPC6500A	37	50

STAR/TRIANGLE STARTER MOTORS (Y/Δ)

Three-ph. 380/415 V / 50 Hz	Code	P2 kW	P2 HP
6PD / 7.5 Y/Δ	6ZPC6075E	5.5	7.5
6PD / 10 Y/Δ	6ZPC6100E	7.5	10
6PD / 12.5 Y/Δ	6ZPC6125E	9.2	12.5
6PD / 15 Y/Δ	6ZPC6150E	11	15
6PD / 20 Y/Δ	6ZPC6200E	15	20
6PD / 25 Y/Δ	6ZPC6250E	18.5	25
6PD / 30 Y/Δ	6ZPC6300E	22	30
6PD / 40 Y/Δ	6ZPC6400E	30	40
6PD / 50 Y/Δ	6ZPC6500E	37	50

- **Rewindable submersible motors in a non-toxic oil bath** (suitable for use in the foods sector)
- **Motor sleeve: AISI 316 stainless steel**
- **Shaft: "DUPLEX" stainless steel**
- **Power cable**: 4 m

6PSR 6" SUBMERSIBLE MOTORS

DIRECT START MOTORS

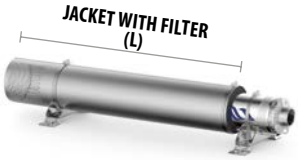
Three-ph. 400 V / 50 Hz	Code	P2 kW	P2 HP
6PSR / 7.5	6ZPN6075A	5.5	7.5
6PSR / 10	6ZPN6100A	7.5	10
6PSR / 12.5	6ZPN6125A	9.2	12.5
6PSR / 15	6ZPN6150A	11	15
6PSR / 17.5	6ZPN6175A	13	17.5
6PSR / 20	6ZPN6200A	15	20
6PSR / 25	6ZPN6250A	18.5	25
6PSR / 30	6ZPN6300A	22	30
6PSR / 40	6ZPN6400A	30	40
6PSR / 50	6ZPN6500A	37	50

STAR/TRIANGLE STARTER MOTORS (Y/Δ)

Three-ph. 380/415 V / 50 Hz	Code	P2 kW	P2 HP
6PSR / 7.5 Y/Δ	6ZPN6075E	5.5	7.5
6PSR / 10 Y/Δ	6ZPN6100E	7.5	10
6PSR / 12.5 Y/Δ	6ZPN6125E	9.2	12.5
6PSR / 15 Y/Δ	6ZPN6150E	11	15
6PSR / 17.5 Y/Δ	6ZPN6175E	13	17.5
6PSR / 20 Y/Δ	6ZPN6200E	15	20
6PSR / 25 Y/Δ	6ZPN6250E	18.5	25
6PSR / 30 Y/Δ	6ZPN6300E	22	30
6PSR / 40 Y/Δ	6ZPN6400E	30	40
6PSR / 50 Y/Δ	6ZPN6500E	37	50

- **Rewindable submersible motor in water bath**
- **Motor sleeve: AISI 304 stainless steel**
- Motor bracket and base: G25 cast iron
- Shaft: AISI 420 stainless steel
- Power cable:
  – 3 m for power from 5.5 kW to 18.5 kW
  – 5 m for power from 22 kW to 37 kW

COOLING JACKET FOR 4SR SUBMERSIBLE PUMPS



Pumps with 4PD submersible motors

kW	HP	Code	JACKET WITH FILTER (L)
0.37	0.50	ASSKIT4SRCR1	535 mm
0.55	0.75		
0.75	1	ASSKIT4SRCR2	650 mm
1.1	1.5		
1.5	2		
2.2	3	ASSKIT4SRCR3	820 mm
3	4		
4	5.5		
5.5	7.5		
7.5	10	ASSKIT4SRCR4	1000 mm

Pumps with 4PS submersible motors

kW	HP	Code	JACKET WITH FILTER (L)
0.37	0.50	ASSKIT4SRCR1	535 mm
0.55	0.75		
0.75	1		
1.1	1.5		
1.5	2		
2.2	3	ASSKIT4SRCR2	650 mm
3	4	ASSKIT4SRCR3	820 mm
4	5.5		
5.5	7.5	ASSKIT4SRCR4	1000 mm
7.5	10		

COOLING JACKET FOR 6SR SUBMERSIBLE PUMPS

Pumps with 6PD submersible motors

kW	HP	Code	JACKET (L)
4	5.5	ASSKIT6SRCR1	695 mm
5.5	7.5		
7.5	10		
9.2	12.5		
11	15	ASSKIT6SRCR2	855 mm
13	17.5		
15	20		
18.5	25		
22	30	ASSKIT6SRCR3	1205 mm
30	40		

Pumps with 6PSR submersible motors

kW	HP	Code	JACKET (L)
4	5.5	ASSKIT6SRCR11	695 mm
5.5	7.5		
7.5	10		
9.2	12.5		
11	15	ASSKIT6SRCR12	855 mm
13	17.5		
15	20		
18.5	25		
22	30	ASSKIT6SRCR13	1205 mm
30	40		

TOP MULTI MULTI-STAGE PUMPS

MODEL		POWER P_2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
TOP MULTI 1	48TPM050A1U	0.37	0.50	10 – **75**	25 – 6	
TOP MULTI 2	48TPM070A1U	0.55	0.75	10 – **80**	38.5 – 6	
TOP MULTI 3	48TPM170A1U	0.55	0.75	10 – **120**	30 – 4.5	**1¼"**
TOP MULTI 4	48TPM270A1U	0.75	1	10 – **80**	50 – 8	
TOP MULTI 5	48TPM370A1U	0.75	1	10 – **120**	40 – 6	

➠ **for clean water**

TOP MULTI-EVO MULTI-STAGE PUMPS

MODEL		POWER P_2		PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	l/min	m	DN1	DN2
TOP MULTI 1-EVO	48TPM060A1U	0.37	0.50	10 – **75**	25 – 6		
TOP MULTI 2-EVO	48TPM080A1U	0.55	0.75	10 – **80**	38.5 – 6		
TOP MULTI 3-EVO	48TPM180A1U	0.55	0.75	10 – **120**	30 – 4.5	**1¼"**	**1¼"**
TOP MULTI 4-EVO	48TPM280A1U	0.75	1	10 – **80**	50 – 8		
TOP MULTI 5-EVO	48TPM380A1U	0.75	1	10 – **120**	40 – 6		

➠ **for clean water**

- Power cable: 10 metres standard equipment with Schuko plug
- Two mechanical seals separated by an oil chamber for TOP MULTI 2-3-4-5 and TOP MULTI 2-3-4-5 EVO
- Impellers: Noryl
- External float switch standard issue
- Registered EU Design n. 000885587 for TOP MULTI 2-3-4-5
- P MULTI® Registered trade mark n. 0001334477

VERSION WITHOUT MAGNETIC FLOAT SWITCH

TOP MULTI 1-EVO	TOP MULTI 2-EVO	TOP MULTI 3-EVO	TOP MULTI 4-EVO	TOP MULTI 5-EVO
Cod. 48TPM06MA1U	Cod. 48TPM08MA1U	Cod. 48TPM18MA1U	Cod. 48TPM28MA1U	Cod. 48TPM38MA1U

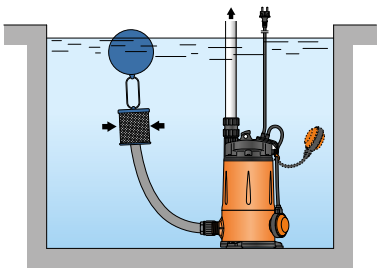
● STANDARD EQUIPMENT

Ø 35 mm hosetail fitting 

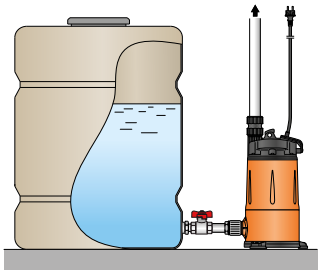
Pipe coupling threaded 1¼" complete with flap-check valve 

KGE - Floating suction kit for TOP MULTI-EVO

MODEL	Code	Fitting
KGE	ASSKITKGE	**1¼"**



Typical installation TOP MULTI-EVO



- KGE floating suction kit includes: 1.5 metres long PVC hose (Ø 30 mm), stainless steel suction filter, polyethylene spherical float, flexible hose fittings Ø 30 mm.
- TOP MULTI-EVO with KGE kit for aspiration at about 10 cm below the water surface, preventing the suction of any floating waste or sediment on the bottom of the tank thus avoiding any damage to the pump.

● **TOP MULTI®: Suitable for use in applications such as clean water supply from reservoirs, tanks or relatively deep wells, for drawing rain water from cisterns, to water gardens by hand or to supply water to irrigation systems, etc.**

TOP MULTI-TECH AUTOMATIC MULTI-STAGE PUMPS

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	kW	HP	l/min	m	DN
TOP MULTI-TECH 2	48TPMA070A1U	0.55	0.75	10 – **80**	38.5 – 6	**1¼"**
TOP MULTI-TECH 3	48TPMA170A1U	0.55	0.75	10 – **120**	30 – 4.5	
TOP MULTI-TECH 4	48TPMA270A1U	0.75	1	10 – **80**	50 – 8	
TOP MULTI-TECH 5	48TPMA370A1U	0.75	1	10 – **120**	40 – 6	

➠ **for clean water**

TOP MULTI-EVOTECH AUTOMATIC MULTI-STAGE PUMPS

Single-phase	Code	kW	HP	l/min	m	DN1	DN2
TOP MULTI-EVOTECH 2	48TPMA080A1U	0.55	0.75	10 – **80**	38.5 – 6	**1¼"**	**1¼"**
TOP MULTI-EVOTECH 3	48TPMA180A1U	0.55	0.75	10 – **120**	30 – 4.5		
TOP MULTI-EVOTECH 4	48TPMA280A1U	0.75	1	10 – **80**	50 – 8		
TOP MULTI-EVOTECH 5	48TPMA380A1U	0.75	1	10 – **120**	40 – 6		

➠ **for clean water**

- Restart pressure: 1.5 bar
- Power cable:
  10 metres standard equipment with Schuko plug
- Two mechanical seals separated by an oil chamber
- Impellers: Noryl
- Incorporated non-return valve
- Patent n. EP2990653
- TOP MULTI® Registered trade mark n. 0001334477

OPTIONS AVAILABLE ON REQUEST

- TOP MULTI-TECH 4 and TOP MULTI-EVOTECH 4 with restarting pressure 2.5 bar

Spare electronic card (cod. 1145A001)

STANDARD EQUIPMENT

Nipple 1¼" 

Ø 35 mm hosetail fitting 

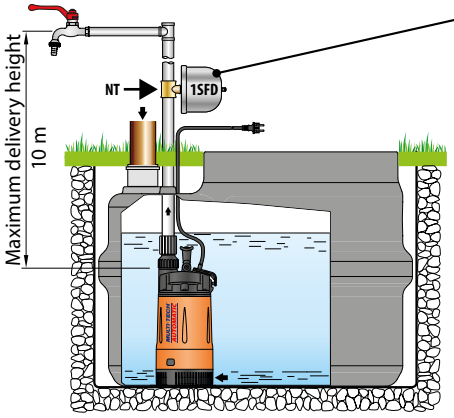
1 SFD

NT 1.25

1 SFD - Tank – NT - 3 way fitting

MODEL	Code	Fitting	Capacity	Pre-set	Maximum working pressure
1 SFD	500667	½" (male)	1 litres	**1.2 bar**	**10 bar**
NT 1.25	500160001	1¼"- 1¼" - ½" gas	–	–	–

Typical installation



To operate correctly avoiding frequent restarts and for greater energy saving it is necessary to install the 1 SFD tank (or a similar tank with a minimum capacity of 1 litre) with an initial load of 1.2 bar

For applications with storage tank see SAR 100-TOP MULTI page pag. 75

- **TOP MULTI-TECH pumps are fitted with an internal electronic device which starts the pump when the pressure of the system falls below 1.5 bar (eg. when opening a tap) and stops it when the flow falls below 3 litres per minute.**
  It protects the pump against dry running and against blockage: after long periods of inactivity the electronic device starts the pump every 48 hours for 10 seconds.

UP-GE SUBMERSIBLE PUMPS WITH FLOAT SWITCH

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
UPm 2/2-GE	48SP2110A1U	0.37	0.5	10 – **80**	32 – 16.4	
UPm 2/3-GE	48SP2115A1U	0.55	0.75	10 – **80**	47 – 24	
UPm 2/4-GE	48SP2120A1U	0.75	1	10 – **80**	62.5 – 32	
UPm 2/5-GE	48SP2125A1U	1.1	1.5	10 – **80**	78 – 40	
UPm 2/6-GE	48SP2130A1U	1.5	2	10 – **80**	94 – 48	
UPm 4/3-GE	48SP2140A1U	0.55	0.75	20 – **120**	39 – 12	
UPm 4/4-GE	48SP2145A1U	0.75	1	20 – **120**	52 – 16	**1¼"**
UPm 4/5-GE	48SP2150A1U	1.1	1.5	20 – **120**	65 – 20	
UPm 4/6-GE	48SP2155A1U	1.5	2	20 – **120**	78 – 24	
UPm 4/7-GE	–	1.8	2.5	20 – **120**	90 – 28	
UPm 8/3-GE	48SP2170A1U	1.1	1.5	40 – **180**	39 – 9	
UPm 8/4-GE	48SP2175A1U	1.5	2	40 – **180**	52 – 12	
UPm 8/5-GE	–	1.8	2.5	40 – **180**	65 – 15	

- **10 m long power cable**
  (DRINCABLE® type approved for use in drinking water by "WRAS" in compliance with BS 6920, approval n. 7513)

UP SUBMERSIBLE PUMPS WITHOUT FLOAT SWITCH

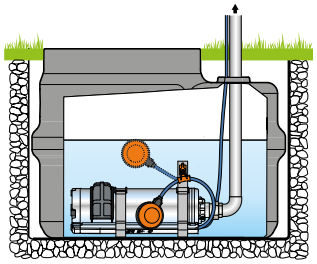
MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
UPm 2/2	48SP0110A1U	0.37	0.5	10 – **80**	32 – 16.4	
UPm 2/3	48SP0115A1U	0.55	0.75	10 – **80**	47 – 24	
UPm 2/4	48SP0120A1U	0.75	1	10 – **80**	62.5 – 32	
UPm 2/5	48SP0125A1U	1.1	1.5	10 – **80**	78 – 40	
UPm 2/6	48SP0130A1U	1.5	2	10 – **80**	94 – 48	
UPm 4/3	48SP0140A1U	0.55	0.75	20 – **120**	39 – 12	
UPm 4/4	48SP0145A1U	0.75	1	20 – **120**	52 – 16	**1¼"**
UPm 4/5	48SP0150A1U	1.1	1.5	20 – **120**	65 – 20	
UPm 4/6	48SP0155A1U	1.5	2	20 – **120**	78 – 24	
UPm 4/7	–	1.8	2.5	20 – **120**	90 – 28	
UPm 8/3	48SP0170A1U	1.1	1.5	40 – **180**	39 – 9	
UPm 8/4	48SP0175A1U	1.5	2	40 – **180**	52 – 12	
UPm 8/5	–	1.8	2.5	40 – **180**	65 – 15	
Three-phase						
UP 2/2	48SP0110AU	0.37	0.5	10 – **80**	32 – 16.4	
UP 2/3	48SP0115AU	0.55	0.75	10 – **80**	47 – 24	
UP 2/4	48SP0120AU	0.75	1	10 – **80**	62.5 – 32	
UP 2/5	48SP0125AU	1.1	1.5	10 – **80**	78 – 40	
UP 2/6	48SP0130AU	1.5	2	10 – **80**	94 – 48	
UP 4/3	48SP0140AU	0.55	0.75	20 – **120**	39 – 12	
UP 4/4	48SP0145AU	0.75	1	20 – **120**	52 – 16	**1¼"**
UP 4/5	48SP0150AU	1.1	1.5	20 – **120**	65 – 20	
UP 4/6	48SP0155AU	1.5	2	20 – **120**	78 – 24	
UP 4/7	–	1.8	2.5	20 – **120**	90 – 28	
UP 8/3	48SP0170AU	1.1	1.5	40 – **180**	39 – 9	
UP 8/4	48SP0175AU	1.5	2	40 – **180**	52 – 12	
UP 8/5	–	1.8	2.5	40 – **180**	65 – 15	

- **10 m long power cable**
  (DRINCABLE® type approved for use in drinking water by "WRAS" in compliance with BS 6920, approval n. 7513)

- Impellers: Noryl
- Two mechanical seals separated by an oil chamber
- Windings with built-in thermal overload protector
- Patent n. EP14755156.8
- Patent n. IT0001428923
- Patent n. EP2419642

SUPPORT KIT FOR HORIZONTAL OPERATION

Code ASSKITUPFO2



NK-GE SUBMERSIBLE PUMPS WITH FLOAT SWITCH

MODEL		POWER P_2		PERFORMANCE Q	H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
NKm 2/2-GE	48SN2110A1U	0.37	0.5	10 – **80**	32 – 16.4	
NKm 2/3-GE	48SN2115A1U	0.55	0.75	10 – **80**	47 – 24	
NKm 2/4-GE	48SN2120A1U	0.75	1	10 – **80**	62.5 – 32	
NKm 2/5-GE	48SN2125A1U	1.1	1.5	10 – **80**	78 – 40	
NKm 2/6-GE	48SN2130A1U	1.5	2	10 – **80**	94 – 48	
NKm 4/3-GE	48SN2140A1U	0.55	0.75	20 – **120**	39 – 12	**1¼"**
NKm 4/4-GE	48SN2145A1U	0.75	1	20 – **120**	52 – 16	
NKm 4/5-GE	48SN2150A1U	1.1	1.5	20 – **120**	65 – 20	
NKm 4/6-GE	48SN2155A1U	1.5	2	20 – **120**	78 – 24	
NKm 8/3-GE	48SN2170A1U	1.1	1.5	40 – **160**	39 – 16.2	
NKm 8/4-GE	48SN2175A1U	1.5	2	40 – **160**	52 – 21.6	

● **10 m long power cable**
(DRINCABLE® type approved for use in drinking water by "WRAS" in compliance with BS 6920, approval n. 7513)

NK SUBMERSIBLE PUMPS WITHOUT FLOAT SWITCH

MODEL		POWER P_2		PERFORMANCE Q	H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
NKm 2/2	48SN0110A1U	0.37	0.5	10 – **80**	32 – 16.4	
NKm 2/3	48SN0115A1U	0.55	0.75	10 – **80**	47 – 24	
NKm 2/4	48SN0120A1U	0.75	1	10 – **80**	62.5 – 32	
NKm 2/5	48SN0125A1U	1.1	1.5	10 – **80**	78 – 40	
NKm 2/6	48SN0130A1U	1.5	2	10 – **80**	94 – 48	
NKm 4/3	48SN0140A1U	0.55	0.75	20 – **120**	39 – 12	**1¼"**
NKm 4/4	48SN0145A1U	0.75	1	20 – **120**	52 – 16	
NKm 4/5	48SN0150A1U	1.1	1.5	20 – **120**	65 – 20	
NKm 4/6	48SN0155A1U	1.5	2	20 – **120**	78 – 24	
NKm 8/3	48SN0170A1U	1.1	1.5	40 – **160**	39 – 16.2	
NKm 8/4	48SN0175A1U	1.5	2	40 – **160**	52 – 21.6	
Three-phase						
NK 2/2	48SN0110AU	0.37	0.5	10 – **80**	32 – 16.4	
NK 2/3	48SN0115AU	0.55	0.75	10 – **80**	47 – 24	
NK 2/4	48SN0120AU	0.75	1	10 – **80**	62.5 – 32	
NK 2/5	48SN0125AU	1.1	1.5	10 – **80**	78 – 40	
NK 2/6	48SN0130AU	1.5	2	10 – **80**	94 – 48	
NK 4/3	48SN0140AU	0.55	0.75	20 – **120**	39 – 12	**1¼"**
NK 4/4	48SN0145AU	0.75	1	20 – **120**	52 – 16	
NK 4/5	48SN0150AU	1.1	1.5	20 – **120**	65 – 20	
NK 4/6	48SN0155AU	1.5	2	20 – **120**	78 – 24	
NK 8/3	48SN0170AU	1.1	1.5	40 – **160**	39 – 16.2	
NK 8/4	48SN0175AU	1.5	2	40 – **160**	52 – 21.6	

● **10 m long power cable**
(DRINCABLE® type approved for use in drinking water by "WRAS" in compliance with BS 6920, approval n. 7513)

- Impellers: Noryl
- Two mechanical seals separated by an oil chamber
- Windings with built-in thermal overload protector
- Patent n. EP14755156.8
- Patent n. EP2313658

TOP DRAINAGE PUMPS FOR CLEAR WATER

MODEL		POWER P_2		PERFORMANCE Q	H	PORT	HOSETAIL FITTING
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
TOP 1	48TOP11A1	0.25	0.33	20 – **160**	6 – 1	**1¼"**	**Ø 25**
TOP 2	48TOP12A1	0.37	0.50	20 – **220**	8 – 1		**Ø 35**
TOP 3	48TOP13A1	0.55	0.75	20 – **260**	10 – 2		
TOP 4	48TOP142A1U	0.75	1	20 – **320**	12.5 – 2	**1½"**	**Ø 41**
TOP 5	48TOP152A1U	0.92	1.25	20 – **360**	15 – 2.5		

- Power cable:
  – 5 metres standard equipment with Schuko plug
  – 10 metres standard equipment for TOP 4-5 with Schuko plug in single-phase versions
- Two mechanical seals separated by an oil chamber for TOP 4-5
- External float switch standard issue
- Shaft: AISI 431 stainless steel
- Patent n. IT0001428923
- Registered EU Design n. 342159-0011

VERSION WITH MAGNETIC FLOAT SWITCH (suitable for small drainage traps)

TOP 1 - GM	48TOP11A1SJR	0.25	0.33	20 – **160**	6 – 1	**1¼"**	**Ø 25**
TOP 2 - GM	48TOP12A1SJR	0.37	0.50	20 – **220**	8 – 1		**Ø 35**
TOP 3 - GM	48TOP13A1SJR	0.55	0.75	20 – **260**	10 – 2		
TOP 4 - GM	48TOP142A1USJR	0.75	1	20 – **320**	12.5 – 2	**1½"**	**Ø 41**
TOP 5 - GM	48TOP152A1USJR	0.92	1.25	20 – **360**	15 – 2.5		

- Power cable:
  – 5 metres standard equipment with Schuko plug
  – 10 metres standard equipment with Schuko plug for TOP 4-5 GM
- Liquid level vertical sliding magnetic float switch (adjustable)

VERSIONS SUITABLE FOR AGGRESSIVE LIQUIDS

TOP 2 - LA	48TOPX12A1U	0.37	0.50	20 – **220**	8 – 1	**1¼"**	**Ø 35**
TOP 3 - LA	48TOPX13A1U	0.55	0.75	20 – **260**	10 – 2		

- Power cable: 10 metres standard equipment with Schuko plug

● TOP-LA version: metallic components in contact with the pumped liquid in AISI 316 stainless steel

Attention: Standard EN 60335-2-41 requires the use of a 10 metres long cable for outdoor applications

TOP-FLOOR LOW SUCTION PUMPS FOR CLEAR WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	HOSETAIL FITTING
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
TOP 1 - FLOOR	48TOPF11A1	0.25	0.33	20 – **120**	6 – 2	**1¼"**	**Ø 25**
TOP 2 - FLOOR	48TOPF12A1	0.37	0.50	20 – **150**	8 – 2.4		**Ø 35**
TOP 3 - FLOOR	–	0.55	0.75	20 – **170**	10 – 2		

- Power cable: 5 metres standard equipment with Schuko plug
- Registered EU Design n. 342159-0011

● The pump is designed so as to guarantee suction down to 2 mm above ground level 2 mm

VERSIONS SUITABLE FOR AGGRESSIVE LIQUIDS

TOP 1 - FLOOR/LA	48TOPFX11A1U	0.25	0.33	20 – **120**	6 – 2	**1¼"**	**Ø 25**
TOP 2 - FLOOR/LA	48TOPFX12A1U	0.37	0.50	20 – **150**	8 – 2.4		**Ø 35**
TOP 3 - FLOOR/LA	–	0.55	0.75	20 – **170**	10 – 2		

- Power cable: 10 metres standard equipment with Schuko plug

● TOP-FLOOR/LA version: metallic components in contact with the pumped liquid in AISI 316 stainless steel

TOP-VORTEX PUMPS FOR DIRTY WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids	HOSETAIL FITTING
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm	mm
TOP 1 - VORTEX	48TOPV11A1	0.25	0.33	20 – **140**	6.3 – 1.6	**1¼"**	**Ø 25**	**Ø 35**
TOP 2 - VORTEX	48TOPV12A1	0.37	0.50	20 – **155**	7.1 – 2			
TOP 3 - VORTEX	48TOPV13A1	0.55	0.75	20 – **170**	8.2 – 2.8			

- Power cable: 5 metres standard equipment with Schuko plug
- External float switch standard issue
- Impeller: VORTEX in technopolymer
- Patent n. IT0001428923
- Registered EU Design n. 342159-0011

VERSION WITH MAGNETIC FLOAT SWITCH (suitable for small drainage traps)

TOP 1 - VORTEX / GM	48TOPV11A1SJR	0.25	0.33	20 – **140**	6.3 – 1.6	**1¼"**	**Ø 25**	**Ø 35**
TOP 2 - VORTEX / GM	48TOPV12A1SJR	0.37	0.50	20 – **155**	7.1 – 2			
TOP 3 - VORTEX / GM	48TOPV13A1SJR	0.55	0.75	20 – **170**	8.2 – 2.8			

- Power cable: 5 metres standard equipment with Schuko plug
- Liquid level vertical sliding magnetic float switch (adjustable)

● ON REQUEST FOR THE TOP SERIES

1¼" threaded sleeve with an incorporated clapet valve | Code ASR5023118W |

Attention: Standard EN 60335-2-41 requires the use of a 10 metres long cable for outdoor applications

TEX VORTEX PUMPS FOR DIRTY WATERS

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids	HOSETAIL FITTING
Single-phase	Code	kW	HP	l/min	m	DN	mm	mm
TEX 2	48TEX02A1	0.37	0.50	20 – **220**	8.3 – 2	**1¼"**	**Ø 30**	**Ø 40**
TEX 3	48TEX03A1	0.55	0.75	20 – **240**	9.8 – 3			

- Power cable: 5 metres standard equipment with Schuko plug
- Liquid level vertical sliding magnetic float switch (adjustable)
- Impeller: VORTEX in glass fibre reinforced technopolymer
- Hose fitting supplied as a standard
- Registered EU Design n. 005205556
- TEX® Registered European Trade Mark n. 017884160

● Selector for automatic or manual operation

Automatico

Manuale

Attention: Standard EN 60335-2-41 requires the use of a 10 metres long cable for outdoor applications

SUBMERSIBLE MULTI-STAGE PUMPS DESIGNED TO PUMP ADBLUE®

TOP MULTI-AD SUBMERSIBLE PUMPS DESIGNED TO PUMP ADBLUE®

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	kW	HP	l/min	m	DN
TOP MULTI 1-AD	48TPM050A1ADB	0.37	0.50	10 – **70**	25 – 5	**1¼"**

● Multistage submersible pumps TOP MULTI 1-AD are designed to pump clean liquid,which is defined according to standard ISO 22241 as AUS 32 (Aqueous Urea Solution 32.5%)

- This liquid is equivalent to other commercial trademarks known as:
  - **AdBlue®** (trademark registered by Verband der AutomobilindustrieVDA)
  - **DEF** (Diesel Exhaust Fluid)
  - **Arla 32** (Agente Redutor Liquido de Óxido de Nitrogênio Automotivo)

PLUG & DRAIN EMERGENCY KIT FOR PREVENTING FLOODING

MODEL	CODE	POWER P2 kW	POWER P2 HP	PERFORMANCE Q l/min	PERFORMANCE H m
PLUG & DRAIN – TOP2 FLOOR	ASSKPDSTOP2FA1	0.37	0.50	20 – **150**	8 – 2.4
PLUG & DRAIN – TOP3	ASSKPDSTOP3A1	0.55	0.75	20 – **260**	10 – 2
PLUG & DRAIN – RXm2	ASSKPDSRX2A1	0.37	0.50	20 – **190**	9.5 – 2.8
PLUG & DRAIN – RXm3	ASSKPDSRX3A1	0.55	0.75	20 – **220**	11.5 – 3.5

COMPONENTS

SUBMERSIBLE TOP2-FLOOR PUMP

- Single-phase **230 V - 50 Hz**
- Windings with built-in thermal overload protector
- **10 metres** power cable fitted with Schuko plug
- External float switch
- "**STORZ**" rapid connection

PVC HOSE

- "**STORZ**" rapid connection
- Length of tube **12.5 m**
- Diameter of tube **1¼"**

CRATE-FILTER

- Complete with a system for fixing the pump for a stable operation and an easy detachment for use of the pump without the crate-filter.
- Complete with a lid so as to put away PLUG & DRAIN in order andhave it always ready for use.

PLUG & DRAIN

PLUG & DRAIN is the indispensable and practical emergency kit for tackling flooding in garages, cellars and basements with efficacy and speed.
Thanks to the versatile drainage pump and the 12.5 metres long PVC hose it is possible to swiftly drain the flooded area, if necessary using the plastic crate as a filter.

With **PLUG & DRAIN** you can completely drain the area affected by flooding: the pump can in fact suck up water down to a level of only 2 mm from the bottom.

With **PLUG & DRAIN** you have everything you require ready for use:
– pump with a ready-fitted connector, a 10 metres long power cable with Schuko plug and an external float switch;
– PVC hose with a rapid connector;
– crate-filter to prevent possible bulky residues blocking water drainage.

RX PUMPS FOR CLEAR WATER

MODEL		POWER P_2		PERFORMANCE Q	H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
RXm 1	48TXP11A1	0.25	0.33	20 – **160**	7 – 2	**1¼"**
RXm 2	48TXP12A1	0.37	0.50	20 – **190**	9.5 – 2.8	
RXm 3	48TXP13A1	0.55	0.75	20 – **220**	11.5 – 3.5	
RXm 4	48TXP24A1U	0.75	1	20 – **270**	15 – 4.2	**1½"**
RXm 5	48TXP25A1U	1.1	1.5	20 – **320**	19.5 – 5	
Three-phase						
RX 1	48TXP11A	0.25	0.33	20 – **160**	7 – 2	**1¼"**
RX 2	48TXP12A	0.37	0.50	20 – **190**	9.5 – 2.8	
RX 3	48TXP13A	0.55	0.75	20 – **220**	11.5 – 3.5	
RX 4	48TXP24AU	0.75	1	20 – **270**	15 – 4.2	**1½"**
RX 5	48TXP25AU	1.1	1.5	20 – **320**	19.5 – 5	

- Power cable:
  – 5 metres standard equipment with Schuko plug in single-phase versions
  – 10 metres standard equipment for RX 4-5, with Schuko plug in single-phase versions
- Two mechanical seals separated by an oil chamber for RX 4-5
- Impeller: AISI 304 stainless steel
- Shaft: AISI 431 stainless steel
- Patent n. EP2313658
- Patent n. IT0001428923 (RX 1-2-3)

VERSION WITH MAGNETIC FLOAT SWITCH (suitable for small drainage traps)

Single-phase						
RXm 1 - GM	48TXPG11A1	0.25	0.33	20 – **160**	7 – 2	**1¼"**
RXm 2 - GM	48TXPG12A1	0.37	0.50	20 – **190**	9.5 – 2.8	
RXm 3 - GM	48TXPG13A1	0.55	0.75	20 – **220**	11.5 – 3.5	
RXm 4 - GM	48TXPG24A1U	0.75	1	20 – **270**	15 – 4.2	**1½"**
RXm 5 - GM	48TXPG25A1U	1.1	1.5	20 – **320**	19.5 – 5	

- Liquid level vertical sliding magnetic float switch (adjustable)
- Power cable:
  – 5 metres standard equipment with Schuko plug in single-phase versions
  – 10 metres standard equipment for RX 4-5GM, with Schuko plug in single-phase versions
- Two mechanical seals separated by an oil chamber for RX 4-5 GM
- Impeller: AISI 304 stainless steel
- Shaft: AISI 431 stainless steel
- Patent n. EP2313658
- Patent n. IT0001428923 (RX 1-2-3 GM)

● ON REQUEST FOR THE RX SERIES

1¼" threaded sleeve with an incorporated clapet valve | Code ASR5023218W |

Attention: Standard EN 60335-2-41 requires the use of a 10 metres long cable for outdoor applications

RX-VORTEX PUMPS FOR DIRTY WATERS

MODEL		POWER P_2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
RXm 2/20	48TXV12A1	0.37	0.50	20 – **190**	7.5 – 2	**1¼"**	**Ø 20**
RXm 3/20	48TXV13A1	0.55	0.75	20 – **240**	9.5 – 2		
RXm 4/40	48TXV24A1U	0.75	1	20 – **340**	11 – 2	**1½"**	**Ø 40**
RXm 5/40	48TXV25A1U	1.1	1.5	20 – **380**	12.5 – 2		
Three-phase							
RX 2/20	48TXV12A	0.37	0.50	20 – **190**	7.5 – 2	**1¼"**	**Ø 20**
RX 3/20	48TXV13A	0.55	0.75	20 – **240**	9.5 – 2		
RX 4/40	48TXV24AU	0.75	1	20 – **340**	11 – 2	**1½"**	**Ø 40**
RX 5/40	48TXV25AU	1.1	1.5	20 – **380**	12.5 – 2		

- Power cable:
  – 5 metres standard equipment with Schuko plug in single-phase versions
  – 10 metres standard equipment for RX 4-5/40, with Schuko plug in single-phase versions
- Two mechanical seals separated by an oil chamber for RX 4-5/40
- Impeller: AISI 304 stainless steel
- Shaft: AISI 431 stainless steel
- Patent n. EP2313658

VERSION WITH MAGNETIC FLOAT SWITCH (suitable for small drainage traps)

Single-phase							
RXm 2/20 - GM	48TXVG12A1	0.37	0.50	20 – **190**	7.5 – 2	**1¼"**	**Ø 20**
RXm 3/20 - GM	48TXVG13A1	0.55	0.75	20 – **240**	9.5 – 2		
RXm 4/40 - GM	48TXVG24A1U	0.75	1	20 – **340**	11 – 2	**1½"**	**Ø 40**
RXm 5/40 - GM	48TXVG25A1U	1.1	1.5	20 – **380**	12.5 – 2		

- Liquid level vertical sliding magnetic float switch (adjustable)
- Power cable:
  – 5 metres standard equipment with Schuko plug in single-phase versions
  – 10 metres standard equipment for RX 4-5/40 GM, with Schuko plug in single-phase versions
- Two mechanical seals separated by an oil chamber for RX 4-5/40 GM
- Impeller: AISI 304 stainless steel
- Shaft: AISI 431 stainless steel
- Patent n. EP2313658

● ON REQUEST FOR THE RX SERIES

1¼" threaded sleeve with an incorporated clapet valve | Code ASR5023218W |

Attention: Standard EN 60335-2-41 requires the use of a 10 metres long cable for outdoor applications

D PUMPS FOR CLEAR WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	kW	HP	l/min	m	DN
Dm 8	48SGD908A1	0.55	0.75	25 – **250**	12.5 – 3	**1½"**
Dm 10	48SGD910A1	0.75	1	25 – **300**	15.5 – 3	
Dm 20	48SGD920A1	0.75	1	25 – **250**	19 – 8	
Dm 30	48SGD930A1U	1.1	1.5	25 – **275**	26 – 9	
Three-phase						
D 8	48SGD908A	0.55	0.75	25 – **250**	12.5 – 3	**1½"**
D 10	48SGD910A	0.75	1	25 – **300**	15.5 – 3	
D 20	48SGD920A	0.75	1	25 – **250**	19 – 8	
D 30	48SGD930AU	1.1	1.5	25 – **275**	26 – 9	

- Power cable:
  – 5 metres standard equipment with Schuko plug in single-phase versions
  – 10 metres standard equipment for D30 with Schuko plug in single-phase versions
- Impeller: technopolymer
- Two mechanical seals separated by an oil chamber (For D30-N shaft with double mechanical seal with sealing ring)
- Shaft: AISI 431 stainless steel
- Patent n. EP2313658 – Patent n. IT0001428923

● **For the version with a 10 metres long power supply cable apply a surcharge of**

ZX2 SUBMERSIBLE "VORTEX" PUMPS FOR DIRTY WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	kW	HP	l/min	m	DN	mm
ZXm 2/30	48SDZX230A1	0.55	0.75	25 – **320**	12.5 – 2	**1½"**	**Ø 30**
ZXm 2/40	48SDZX240A1	0.55	0.75	25 – **400**	11 – 2		**Ø 40**

- Power cable: 5 metres standard equipment with Schuko plug
- Pump body in technopolymer
- Impeller: VORTEX in technopolymer
- Two mechanical seals separated by an oil chamber
- Shaft: AISI 431 stainless steel
- Hose fitting supplied as a standard
- Patent n. EP2313658 – Patent n. IT0001428923

VERSION WITH MAGNETIC FLOAT SWITCH (suitable for small drainage traps)

ZXm 2/30-GM	48SDZX230A1SJR	0.55	0.75	25 – **320**	12.5 – 2	**1½"**	**Ø 30**
ZXm 2/40-GM	48SDZX240A1SJR	0.55	0.75	25 – **400**	11 – 2		**Ø 40**

- Power cable: 5 metres standard equipment with Schuko plug
- Liquid level vertical sliding magnetic float switch (adjustable)
- Pump body in technopolymer
- Impeller: VORTEX in technopolymer
- Two mechanical seals separated by an oil chamber
- Shaft: AISI 431 stainless steel
- Hose fitting supplied as a standard

Attention: Standard EN 60335-2-41 requires the use of a 10 metres long cable for outdoor applications

ZX1 SUBMERSIBLE "VORTEX" PUMPS FOR DIRTY WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
ZXm 1B/40	48SDZE4BA1	0.50	0.70	25 – **350**	8.5 – 1	**1½"**	**Ø 40**
ZXm 1A/40	48SDZE4AA1	0.60	0.85	25 – **400**	10.5 – 1.5		

- Power cable: 5 metres standard equipment with Schuko plug
- Impeller: VORTEX in technopolymer
- Hose fitting supplied as a standard

VX SUBMERSIBLE "VORTEX" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
VXm 8/35	48SGV90A0A1	0.55	0.75	50 – **350**	8 – 1	**1½"**	**Ø 40**
VXm 10/35	48SGV91A0A1	0.75	1	50 – **400**	10 – 2		
VXm 15/35	48SGV91B0A1U	1.1	1.5	50 – **500**	13.5 – 2		
VXm 20/35	48SGV91B2A1U	1.5	2	50 – **600**	15 – 1.5		
VXm 8/50	48SGV91C0A1	0.55	0.75	50 – **450**	6 – 1.5	**2"**	**Ø 50**
VXm 10/50	48SGV91D0A1	0.75	1	50 – **550**	8.5 – 1.5		
VXm 15/50	48SGV91E0A1U	1.1	1.5	50 – **650**	11 – 2		
VXm 20/50	48SGV91E2A1U	1.5	2	50 – **750**	13 – 2.5		
Three-phase							
VX 8/35	48SGV90A0A	0.55	0.75	50 – **350**	8 – 1	**1½"**	**Ø 40**
VX 10/35	48SGV91A0A	0.75	1	50 – **400**	10 – 2		
VX 15/35	48SGV91B0AU	1.1	1.5	50 – **500**	13.5 – 2		
VX 20/35	48SGV91B2AU	1.5	2	50 – **600**	15 – 1.5		
VX 8/50	48SGV91C0A	0.55	0.75	50 – **450**	6 – 1.5	**2"**	**Ø 50**
VX 10/50	48SGV91D0A	0.75	1	50 – **550**	8.5 – 1.5		
VX 15/50	48SGV91E0AU	1.1	1.5	50 – **650**	11 – 2		
VX 20/50	48SGV91E2AU	1.5	2	50 – **750**	13 – 2.5		

- Power cable:
  – 5 metres standard equipment with Schuko plug in single-phase versions
  – 10 metres standard equipment for VX15/35, VX15/50 with Schuko plug in single-phase versions
- Impeller: VORTEX AISI 304 stainless steel – Shaft: AISI 431 stainless steel
- Two mechanical seals separated by an oil chamber
- Patent n. EP2313658 –Patent n. IT0001428923

BC SUBMERSIBLE "DOUBLE-CHANNEL" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
BCm 10/50	48SGM81A0A1	0.75	1	50 – **600**	11 – 2	**2"**	**Ø 50**
BCm 15/50	48SGM82A0A1U	1.1	1.5	50 – **750**	14 – 2		
BCm 20/50	48SGM82A2A1U	1.5	2	50 – **850**	16 – 3		
Three-phase							
BC 10/50	48SGM81A0A	0.75	1	50 – **600**	11 – 2	**2"**	**Ø 50**
BC 15/50	48SGM82A0AU	1.1	1.5	50 – **750**	14 – 2		
BC 20/50	48SGM82A2AU	1.5	2	50 – **850**	16 – 3		

- Power cable:
  – 5 metres standard equipment with Schuko plug in single-phase versions
  – 10 metres standard equipment for BC15/50 with Schuko plug in single-phase versions
- Impeller: DOUBLE-CHANNEL AISI 304 precision cast stainless steel – Shaft: AISI 431 stainless steel
- Two mechanical seals separated by an oil chamber
- Patent n. EP2313658 – Patent n. IT0001428923

Attention: Standard EN 60335-2-41 requires the use of a 10 metres long cable for outdoor applications

VX-ST SUBMERSIBLE "VORTEX" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	kW	HP	l/min	m	DN	mm
VXm 8/35 - ST	48SGV96A0A1U	0.55	0.75	50 – **350**	8.5 – 1	**1½"**	**Ø 40**
VXm 10/35 - ST	48SGV96B0A1U	0.75	1	50 – **400**	10.5 – 2		
VXm 15/35 - ST	48SGV96C0A1U	1.1	1.5	50 – **500**	14 – 2		
VXm 20/35 - ST	48SGV96C2A1U	1.5	2	50 – **525**	16.5 – 2.5		
VXm 8/50 - ST	48SGV96D0A1U	0.55	0.75	50 – **450**	7 – 1.5	**2"**	**Ø 50**
VXm 10/50 - ST	48SGV96E0A1U	0.75	1	50 – **550**	9.5 – 1.5		
VXm 15/50 - ST	48SGV96F0A1U	1.1	1.5	50 – **650**	13 – 2		
VXm 20/50 - ST	48SGV96F2A1U	1.5	2	50 – **700**	14.5 – 3		
Three-phase							
VX 8/35 - ST	48SGV96A0AU	0.55	0.75	50 – **350**	8.5 – 1	**1½"**	**Ø 40**
VX 10/35 - ST	48SGV96B0AU	0.75	1	50 – **400**	10.5 – 2		
VX 15/35 - ST	48SGV96C0AU	1.1	1.5	50 – **500**	14 – 2		
VX 20/35 - ST	48SGV96C2AU	1.5	2	50 – **525**	16.5 – 2.5		
VX 8/50 - ST	48SGV96D0AU	0.55	0.75	50 – **450**	7 – 1.5	**2"**	**Ø 50**
VX 10/50 - ST	48SGV96E0AU	0.75	1	50 – **550**	9.5 – 1.5		
VX 15/50 - ST	48SGV96F0AU	1.1	1.5	50 – **650**	13 – 2		
VX 20/50 - ST	48SGV96F2AU	1.5	2	50 – **700**	14.5 – 3		

- Impeller: VORTEX AISI 304 stainless steel

● **Shaft in AISI 316L stainless steel available on request**

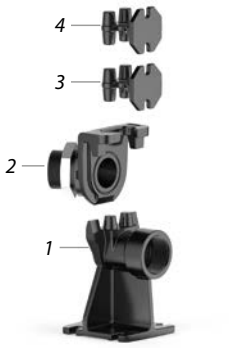
BC-ST SUBMERSIBLE "DOUBLE-CHANNEL" PUMPS FOR SEWAGE WATER

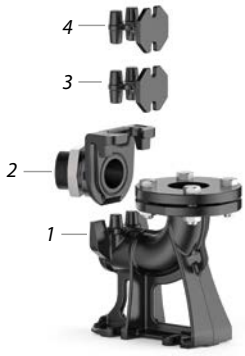
MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	kW	HP	l/min	m	DN	mm
BCm 10/50 - ST	48SGM88A0A1U	0.75	1	50 – **600**	11 – 2	**2"**	**Ø 50**
BCm 15/50 - ST	48SGM88B0A1U	1.1	1.5	50 – **750**	14 – 2		
BCm 20/50 - ST	48SGM88B2A1U	1.5	2	50 – **850**	16 – 3		
Three-phase							
BC 10/50 - ST	48SGM88A0AU	0.75	1	50 – **600**	11 – 2	**2"**	**Ø 50**
BC 15/50 - ST	48SGM88B0AU	1.1	1.5	50 – **750**	14 – 2		
BC 20/50 - ST	48SGM88B2AU	1.5	2	50 – **850**	16 – 3		

- Impeller: DOUBLE-CHANNEL precision cast AISI 304 stainless steel

● **Shaft in AISI 316L stainless steel available on request**

- Pump body: AISI 304 pressed stainless steel
- Power cable: 10 metres standard equipment with Schuko plug in single-phase versions
- Two mechanical seals separated by an oil chamber
- Shaft: AISI 431 stainless steel
- Patent n. EP2313658 – Patent n. IT0001428923





1 - Footing connection

2 - Slide guide (also to be ordered separately)

3 - Intermediate support (on request)

4 - Support for the guide tubes

SEWAGE LIFTING SYSTEM

HORIZONTAL DELIVERY VERSION WITH ¾" GUIDE TUBES

For **VX /35-ST**	Code ASSPVX35ST	DN **2"**
For **VX /50-ST, BC /50-ST**	Code ASSPVX50ST	DN **2"**

- Kit consisting of:
  – footing connection
  – slide guide with ring nut and seal
  – support for the guide tubes

VERTICAL DELIVERY VERSION WITH ¾" GUIDE TUBES

For **VX /35-ST**	Code ASSPVX35STV	DN **2½"**
For **VX /50-ST, BC /50-ST**	Code ASSPVX50STV	DN **2½"**

- Kit consisting of:
  – footing connection complete with counterflange
  – slide guide with ring nut and seal
  – support for the guide tubes

SLIDE GUIDE (also to be ordered separately)

For **VX /35-ST**	Code ASSFL005
For **VX /50-ST, BC /50-ST**	Code ASSFL006

- Complete with ring nut and seal

INTERMEDIATE SUPPORT (on request)

For guide tubes Ø **¾"**	Code 859SV340INTFA

GUIDE TUBES (AISI 304 stainless steel)

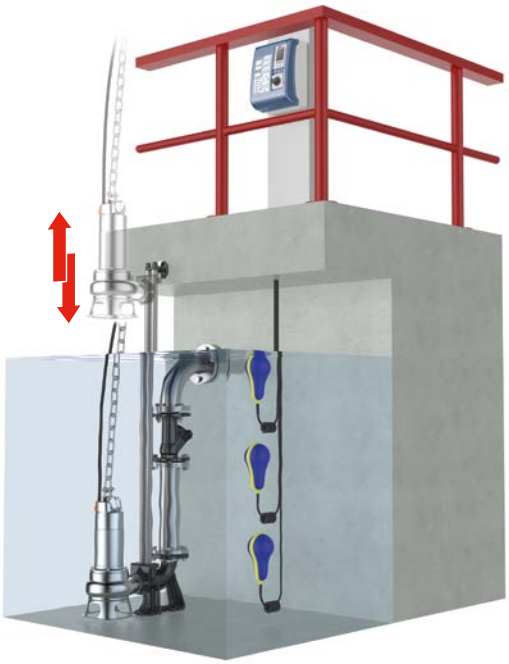
Guide tube Ø **¾"**	Code 54SARTG005

- **In order to ensure stability, insert the intermediate support every 2 metres**
- **Maximum length of the tube plank: 6 metres**

Horizontal delivery version

Vertical delivery version

TYPICAL INSTALLATION



VX-MF SUBMERSIBLE "VORTEX" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
VXm 8/35 - MF	48SGV92A0A1U	0.55	0.75	50 – **350**	8 – 1	**1½"**	**Ø 40**
VXm 10/35 - MF	48SGV92B0A1U	0.75	1	50 – **400**	10 – 2		
VXm 15/35 - MF	48SGV92C0A1U	1.1	1.5	50 – **500**	13.5 – 2		
VXm 20/35 - MF	48SGV92C2A1U	1.5	2	50 – **600**	15 – 1.5		
VXm 8/50 - MF	48SGV92D0A1U	0.55	0.75	50 – **450**	6 – 1.5	**2"**	**Ø 50**
VXm 10/50 - MF	48SGV92E0A1U	0.75	1	50 – **550**	8.5 – 1.5		
VXm 15/50 - MF	48SGV92F0A1U	1.1	1.5	50 – **650**	11 – 2		
VXm 20/50 - MF	48SGV92F2A1U	1.5	2	50 – **750**	13 – 2.5		
Three-phase							
VX 8/35 - MF	48SGV92A0AU	0.55	0.75	50 – **350**	8 – 1	**1½"**	**Ø 40**
VX 10/35 - MF	48SGV92B0AU	0.75	1	50 – **400**	10 – 2		
VX 15/35 - MF	48SGV92C0AU	1.1	1.5	50 – **500**	13.5 – 2		
VX 20/35 - MF	48SGV92C2AU	1.5	2	50 – **600**	15 – 1.5		
VX 8/50 - MF	48SGV92D0AU	0.55	0.75	50 – **450**	6 – 1.5	**2"**	**Ø 50**
VX 10/50 - MF	48SGV92E0AU	0.75	1	50 – **550**	8.5 – 1.5		
VX 15/50 - MF	48SGV92F0AU	1.1	1.5	50 – **650**	11 – 2		
VX 20/50 - MF	48SGV92F2AU	1.5	2	50 – **750**	13 – 2.5		

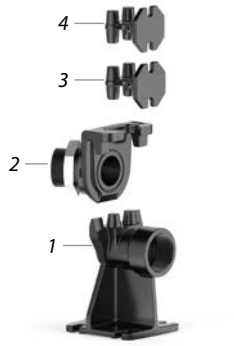
- Impeller: VORTEX AISI 304 stainless steel

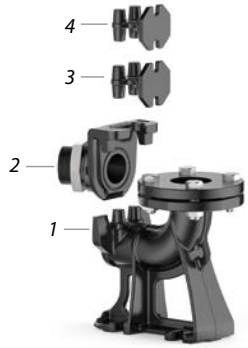
BC-MF SUBMERSIBLE "DOUBLE-CHANNEL" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
BCm 10/50 - MF	48SGM85A0A1U	0.75	1	50 – **600**	11 – 2	**2"**	**Ø 50**
BCm 15/50 - MF	48SGM86A0A1U	1.1	1.5	50 – **750**	14 – 2		
BCm 20/50 - MF	48SGM86A2A1U	1.5	2	50 – **850**	16 – 3		
Three-phase							
BC 10/50 - MF	48SGM85A0AU	0.75	1	50 – **600**	11 – 2	**2"**	**Ø 50**
BC 15/50 - MF	48SGM86A0AU	1.1	1.5	50 – **750**	14 – 2		
BC 20/50 - MF	48SGM86A2AU	1.5	2	50 – **850**	16 – 3		

- Impeller: DOUBLE-CHANNEL precision cast AISI 304 stainless steel

- **Pump body: cast AISI 316L stainless steel**
- Power cable: 10 metres standard equipment with Schuko plug in single-phase versions
- Two mechanical seals separated by an oil chamber
- Shaft: AISI 316L stainless steel
- Patent n. EP2313658 – Patent n. IT0001428923





1 - Footing connection

2 - Slide guide
(also to be ordered separately)

3 - Intermediate support
(on request)

4 - Support for the guide tubes

SEWAGE LIFTING SYSTEM

HORIZONTAL DELIVERY VERSION WITH ¾" GUIDE TUBES

For **VX /35-MF**	Code ASSPVX35ST	DN **2"**
For **VX /50-MF, BC /50-MF**	Code ASSPVX50ST	DN **2"**

- Kit consisting of:
  – footing connection;
  – slide guide with ring nut and seal;
  – support for the guide tubes.

VERTICAL DELIVERY VERSION WITH ¾" GUIDE TUBES

For **VX /35-MF**	Code ASSPVX35STV	DN **2½"**
For **VX /50-MF, BC /50-MF**	Code ASSPVX50STV	DN **2½"**

- Kit consisting of:
  – footing connection complete with counterflange;
  – slide guide with ring nut and seal;
  – support for the guide tubes.

SLIDE GUIDE (also to be ordered separately)

For **VX /35-MF**	Code ASSFL005
For **VX /50-MF, BC /50-MF**	Code ASSFL006

- Complete with ring nut and seal

INTERMEDIATE SUPPORT (on request)

For guide tubes Ø **¾"**	Code 859SV340INTFA

GUIDE TUBES (AISI 304 stainless steel)

Guide tube Ø **¾"**	Code 54SARTG005

- **In order to ensure stability, insert the intermediate support every 2 metres**
- **Maximum length of the tube plank: 6 metres**

Horizontal delivery version

Vertical delivery version

TYPICAL INSTALLATION

DC CAST IRON DRAINAGE PUMPS FOR CLEAR WATER

MODEL		POWER P_2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
DCm 8	48SGDC908A1U	0.55	0.75	25 – **250**	12.5 – 3	**1½"**
DCm 10	48SGDC910A1U	0.75	1	25 – **300**	15.5 – 3	
DCm 20	48SGDC920A1U	0.75	1	25 – **250**	19 – 8	
DCm 30	48SGDC930A1U	1.1	1.5	25 – **275**	26 – 9	
Three-phase						
DC 8	48SGDC908AU	0.55	0.75	25 – **250**	12.5 – 3	**1½"**
DC 10	48SGDC910AU	0.75	1	25 – **300**	15.5 – 3	
DC 20	48SGDC920AU	0.75	1	25 – **250**	19 – 8	
DC 30	48SGDC930AU	1.1	1.5	25 – **275**	26 – 9	

- Power cable: 10 metres standard equipment with Schuko plug in single-phase versions
- External float switch: standard issue on single-phase versions
- Impeller: technopolymer
- Two mechanical seals separated by an oil chamber
  (For DC30 shaft with double mechanical seal with sealing ring)
- Shaft: AISI 431 stainless steel
- Patent n. EP2313658 – Patent n. IT0001428923
- Registered EU Design n. 002501486-0001

MODEL		POWER P_2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
DCm 42	48SGD9812A1	1.5	2	25 – **500**	30.5 – 3	**2"**
DCm 43	48SGD9813A1	2.2	3	25 – **550**	35 – 4	
Three-phase						
DC 42	48SGD9812A	1.5	2	25 – **500**	30.5 – 3	**2"**
DC 43	48SGD9813A	2.2	3	25 – **550**	35 – 4	
DC 44	48SGD9814A	3	4	25 – **550**	37.5 – 7.5	

- Power cable: 10 metres standard equipment
- Impeller: AISI 304 precision cast stainless steel
- Two mechanical seals separated by an oil chamber
- Shaft: AISI 431 stainless steel
- Patent n. IT0001428923
- Registered EU Design n. 008625685-0007, 008625685-0008

Standard supply single-phase version

- External float switch
- Windings with built-in thermal overload protector
- Electrical panel equipped with:
  – power switch;
  – green light indicating when the electric pump is powered;
  – amperometric protection with manual reset;
  – capacitor

Standard supply three-phase version

- Thermal motor protector incorporated in the winding, to be connected to the external control panel

VXC SUBMERSIBLE "VORTEX" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
VXCm 8/35	48SGV95A0A1U	0.55	0.75	50 – **350**	8 – 1	**1½"**	**Ø 40**
VXCm 10/35	48SGV95B0A1U	0.75	1	50 – **400**	10 – 2		
VXCm 15/35	48SGV95C0A1U	1.1	1.5	50 – **500**	13.5 – 2		
VXCm 8/45	48SGV95D0A1U	0.55	0.75	50 – **450**	6 – 1.5	**2"**	**Ø 50**
VXCm 10/45	48SGV95E0A1U	0.75	1	50 – **550**	8.5 – 1.5		
VXCm 15/45	48SGV95F0A1U	1.1	1.5	50 – **650**	11 – 2		
Three-phase							
VXC 8/35	48SGV95A0AU	0.55	0.75	50 – **350**	8 – 1	**1½"**	**Ø 40**
VXC 10/35	48SGV95B0AU	0.75	1	50 – **400**	10 – 2		
VXC 15/35	48SGV95C0AU	1.1	1.5	50 – **500**	13.5 – 2		
VXC 8/45	48SGV95D0AU	0.55	0.75	50 – **450**	6 – 1.5	**2"**	**Ø 50**
VXC 10/45	48SGV95E0AU	0.75	1	50 – **550**	8.5 – 1.5		
VXC 15/45	48SGV95F0AU	1.1	1.5	50 – **650**	11 – 2		

- Power cable: 10 metres standard equipment with Schuko plug in single-phase versions
- External float switch: standard issue on single-phase versions
- Impeller: VORTEX AISI 304 stainless steel – Shaft: AISI 431 stainless steel
- Two mechanical seals separated by an oil chamber
- Patent n. EP2313658 – Patent n. IT0001428923
- Registered EU Design n. 002501486-0003

MC SUBMERSIBLE "DOUBLE-CHANNEL" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
MCm 10/45	48SGM91A0A1U	0.75	1	50 – **600**	11 – 2	**2"**	**Ø 50**
MCm 15/45	48SGM92A0A1U	1.1	1.5	50 – **750**	14 – 2		
Three-phase							
MC 10/45	48SGM91A0AU	0.75	1	50 – **600**	11 – 2	**2"**	**Ø 50**
MC 15/45	48SGM92A0AU	1.1	1.5	50 – **750**	14 – 2		

- Power cable: 10 metres standard equipment with Schuko plug in single-phase versions
- External float switch: standard issue on single-phase versions
- Impeller: DOUBLE-CHANNEL AISI 304 precision cast stainless steel – Shaft: AISI 431 stainless steel
- Two mechanical seals separated by an oil chamber
- Patent n. EP2313658 – Patent n. IT0001428923
- Registered EU Design n. 002501486-0003

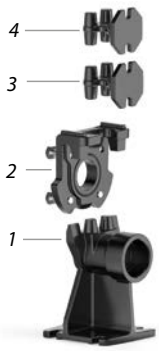
TRITUS SUBMERSIBLE PUMPS WITH GRINDER

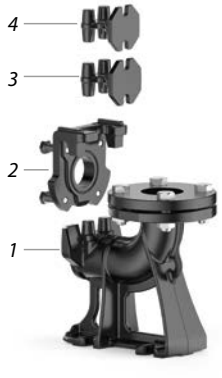
MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
TRm 0.75	48SHT00A1	0.75	1	20 – **125**	15 – 2	**1¼"**
TRm 0.9	48SHT04A1	0.9	1.25	20 – **170**	15 – 2	
TRm 1.1	48SHT01A1	1.1	1.5	20 – **140**	21.5 – 2	
TRm 1.3	48SHT05A1	1.3	1.75	20 – **220**	22.5 – 2	
Three-phase						
TR 0.75	48SHT00A	0.75	1	20 – **125**	15 – 2	**1¼"**
TR 0.9	48SHT04A	0.9	1.25	20 – **170**	15 – 2	
TR 1.1	48SHT01A	1.1	1.5	20 – **140**	21.5 – 2	
TR 1.3	48SHT05A	1.3	1.75	20 – **220**	22.5 – 2	

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT
Single-phase	Code	**kW**	**HP**	l/min	m	DN
TRm 1.5	48SHT02A1	1.5	2	20 – **270**	25 – **2**	**DN 40** (PN6) **1½"**
TRm 2.2 AP	48SHT9803A1	2.2	3	20 – **270**	35 – **11**	**DN 40** (PN10) **1½"**
Three-phase						
TR 1.5	48SHT02A	1.5	2	20 – **270**	25 – 2	**DN 40** (PN6) **1½"**
TR 2.2	48SHT03A	2.2	3	20 – **280**	30 – 2	
TR 2.2 AP	48SHT9803A	2.2	3	20 – **270**	35 – 11	**DN 40** (PN10) **1½"**
TR 3 AP	48SHT9804A	3	4	20 – **300**	42.5 – 11	

- **Flanged (DN40) and threaded (1½") delivery port**

- **High resistance tempered stainless steel grinder**
- Power cable: 10 metres standard equipment
- Impeller:
  – technopolymer for TR 0.75, TR 0.9, TR 1.1, TR 1.3
  – **precision cast AISI 304 stainless steel for TR 1.5, TR 2.2, TR 2.2 AP, TR 3 AP**
- Two mechanical seals separated by an oil chamber
- Shaft: AISI 431 stainless steel
- **Standard supply single-phase version**:
  – electrical cabinet with start-up and operating capacitors
  – windings with built-in thermal overload protector
  – external float switch
- Patent n. EP2313658 – Patent n. IT0001428923
- Registered EU Design n. 002501486-0002, 008625685-0005, 008625685-0006
- TRITUS® Registered trade mark n. 013017181





1 - Footing connection

2 - Slide guide (also to be ordered separately)

3 - Intermediate support (on request)

4 - Support for the guide tubes

SEWAGE LIFTING SYSTEM

HORIZONTAL DELIVERY VERSION WITH ¾" GUIDE TUBES

For **TR 0.75, TR 0.9, TR 1.1, TR 1.3**	Cod. ASSPTRITUS11	DN **2"**
For **TR 1.5, TR 2.2**	Cod. ASSPTRITUS22	
For **TR 2.2. AP, TR 3 AP**	Cod. ASSPTRITUS61	

- Kit consisting of:
  – footing connection;
  – slide guide with ring nut and seal (screws and seals for TR 1.5-2.2, TR 2.2AP-3AP);
  – support for the guide tubes.

VERTICAL DELIVERY VERSION WITH ¾" GUIDE TUBES

For **TR 0.75, TR 0.9, TR 1.1, TR 1.3**	Cod. ASSPTRITUS11V	DN **2½"**
For **TR 1.5, TR 2.2**	Cod. ASSPTRITUS22V	
For **TR 2.2. AP, TR 3 AP**	Cod. ASSPTRITUS61V	

- Kit consisting of:
  – footing connection complete with counterflange;
  – slide guide with ring nut and seal (screws and seals for TR1.5-2.2, TR 2.2AP-3AP);
  – support for the guide tubes.

SLIDE GUIDE (also to be ordered separately)

For **TR 0.75, TR 0.9, TR 1.1, TR 1.3**	Cod. ASSFL003
For **TR 1.5, TR 2.2**	Cod. ASSFL004
For **TR 2.2 AP, TR 3 AP**	Cod. ASSFL014

- Complete with ring nut and seal (screws and seals for TR 1.5, TR 2.2, TR 2.2AP-3AP)

INTERMEDIATE SUPPORT (on request)

For guide tubes Ø ¾"	Cod. 859SV340INTFA

GUIDE TUBES (AISI 304 stainless steel)

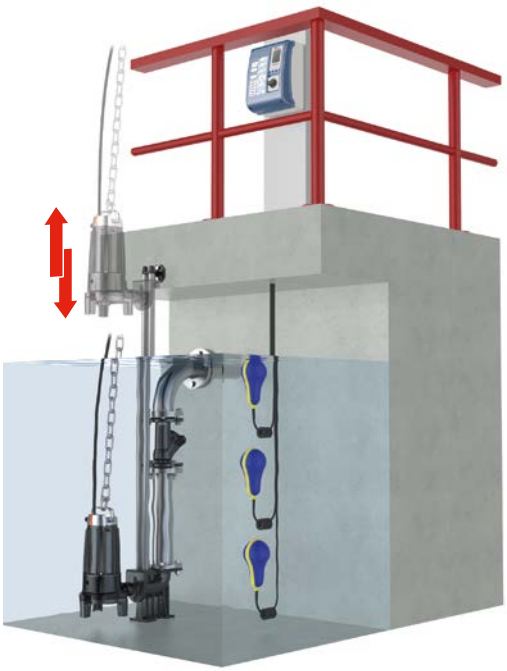
Guide tube Ø ¾"	Cod. 54SARTG005

- **In order to ensure stability, insert the intermediate support every 2 metres**
- **Maximum length of the tube plank: 6 metres**

Horizontal delivery version

Vertical delivery version

TYPICAL INSTALLATION



VXC SUBMERSIBLE "VORTEX" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
VXCm 15/50	48SGV9851A1	1.1	1.5	100 – **600**	11 – 2.5	**2½"**	**Ø 50**
VXCm 20/50	48SGV9852A1	1.5	2	100 – **700**	12.5 – 2.5		
VXCm 30/50	48SGV9853A1	2.2	3	100 – **850**	15.5 – 2.5		
VXCm 15/65	48SGV9861A1	1.1	1.5	200 – **850**	7 – 1	**3"**	**Ø 65**
VXCm 20/65	48SGV9862A1	1.5	2	200 – **1000**	8.5 – 1		
VXCm 30/65	48SGV9863A1	2.2	3	200 – **1200**	11.1 – 1.5		
Three-phase							
VXC 15/50	48SGV9851A	1.1	1.5	100 – **600**	11 – 2.5	**2½"**	**Ø 50**
VXC 20/50	48SGV9852A	1.5	2	100 – **700**	12.5 – 2.5		
VXC 30/50	48SGV9853A	2.2	3	100 – **850**	15.5 – 2.5		
VXC 40/50	48SGV9854A	3	4	100 – **1050**	19 – 2		
VXC 15/65	48SGV9861A	1.1	1.5	200 – **850**	7 – 1	**3"**	**Ø 65**
VXC 20/65	48SGV9862A	1.5	2	200 – **1000**	8.5 – 1		
VXC 30/65	48SGV9863A	2.2	3	200 – **1200**	11.1 – 1.5		
VXC 40/65	48SGV9864A	3	4	200 – **1250**	15 – 1.5		

- Power cable: 10 metres standard equipment
- Impeller: cast iron VORTEX
- Shaft: AISI 431 stainless steel
- Patent n. IT0001428923
- Registered EU Design n. 008625685-0001, 008625685-0002

Standard supply single-phase version

- External float switch
- Windings with built-in thermal overload protector
- Electrical panel equipped with:
  - power switch;
  - green light indicating when the electric pump is powered;
  - amperometric protection with manual reset;
  - capacitor

Standard supply three-phase version

- Thermal motor protector incorporated in the winding, to be connected to the external control panel

● SUPPORTING BASE (on request)

Cod. ASSBAVM

- Complete with screws

MC SUBMERSIBLE "DOUBLE-CHANNEL" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Single-phase	Code	**kW**	**HP**	l/min	m	DN	mm
MCm 15/50	48SGM9851A1	1.1	1.5	100 – **800**	14 – 1	**2½"**	**Ø 50**
MCm 20/50	48SGM9852A1	1.5	2	100 – **900**	16 – 1		
MCm 30/50	48SGM9853A1	2.2	3	100 – **1100**	22 – 2		
MCm 30/65	48SGM9863A1	2.2	3	200 – **1500**	12 – 2	**3"**	**Ø 65**
Three-phase							
MC 15/50	48SGM9851A	1.1	1.5	100 – **800**	14 – 1	**2½"**	**Ø 50**
MC 20/50	48SGM9852A	1.5	2	100 – **900**	16 – 1		
MC 30/50	48SGM9853A	2.2	3	100 – **1100**	22 – 2		
MC 40/50	48SGM9854A	3	4	100 – **1100**	24 – 4		
MC 30/65	48SGM9863A	2.2	3	200 – **1500**	12 – 2	**3"**	**Ø 65**
MC 40/65	48SGM9864A	3	4	200 – **1600**	15 – 4		

- Power cable: 10 metres standard equipment
- Impeller: DOUBLE-CHANNEL AISI 304 precision cast stainless steel
- Shaft: AISI 431 stainless steel
- Patent n. IT0001428923
- Registered EU Design n. 008625685-0001, 008625685-0002

Standard supply single-phase version

- External float switch
- Windings with built-in thermal overload protector
- Electrical panel equipped with:
  - power switch;
  - green light indicating when the electric pump is powered;
  - amperometric protection with manual reset;
  - capacitor

Standard supply three-phase version

- Thermal motor protector incorporated in the winding, to be connected to the external control panel

SUPPORTING BASE (on request)

Cod. ASSBAVM

- Complete with screws

VXC-F SUBMERSIBLE "VORTEX" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT DN	PASSAGE of solids
Single-phase	Code	kW	HP	l/min	m	(PN10)	mm
VXCm 15/50-F	48SGY9851A1	1.1	1.5	100 – **600**	11 – 2.5	**DN65 2½"**	**Ø 50**
VXCm 20/50-F	48SGY9852A1	1.5	2	100 – **700**	12.5 – 2.5		
VXCm 30/50-F	48SGY9853A1	2.2	3	100 – **850**	15.5 – 2.5		
VXCm 15/65-F	48SGY9861A1	1.1	1.5	200 – **850**	7 – 1	**DN80 3"**	**Ø 65**
VXCm 20/65-F	48SGY9862A1	1.5	2	200 – **1000**	8.5 – 1		
VXCm 30/65-F	48SGY9863A1	2.2	3	200 – **1200**	11.1 – 1.5		
Three-phase							
VXC 15/50-F	48SGY9851A	1.1	1.5	100 – **600**	11 – 2.5	**DN65 2½"**	**Ø 50**
VXC 20/50-F	48SGY9852A	1.5	2	100 – **700**	12.5 – 2.5		
VXC 30/50-F	48SGY9853A	2.2	3	100 – **850**	15.5 – 2.5		
VXC 40/50-F	48SGY9854A	3	4	100 – **1050**	19 – 2		
VXC 15/65-F	48SGY9861A	1.1	1.5	200 – **850**	7 – 1	**DN80 3"**	**Ø 65**
VXC 20/65-F	48SGY9862A	1.5	2	200 – **1000**	8.5 – 1		
VXC 30/65-F	48SGY9863A	2.2	3	200 – **1200**	11.1 – 1.5		
VXC 40/65-F	48SGY9864A	3	4	200 – **1250**	15 – 1.5		

- Power cable: 10 metres standard equipment
- Impeller: cast iron VORTEX
- Shaft: AISI 431 stainless steel
- Patent n. IT0001428923
- Registered EU Design n. 008625685-0003, 008625685-0004

MC-F SUBMERSIBLE "DOUBLE-CHANNEL" PUMPS FOR SEWAGE WATER

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT DN	PASSAGE of solids
Single-phase	Code	kW	HP	l/min	m	(PN10)	mm
MCm 15/50-F	48SGQ9851A1	1.1	1.5	100 – **800**	14 – 1	**DN65 2½"**	**Ø 50**
MCm 20/50-F	48SGQ9852A1	1.5	2	100 – **900**	16 – 1		
MCm 30/50-F	48SGQ9853A1	2.2	3	100 – **1100**	22 – 2		
MCm 30/65-F	48SGQ9863A1	2.2	3	200 – **1500**	12 – 2	**DN80 3"**	**Ø 65**
Three-phase							
MC 15/50-F	48SGQ9851A	1.1	1.5	100 – **800**	14 – 1	**DN65 2½"**	**Ø 50**
MC 20/50-F	48SGQ9852A	1.5	2	100 – **900**	16 – 1		
MC 30/50-F	48SGQ9853A	2.2	3	100 – **1100**	22 – 2		
MC 40/50-F	48SGQ9854A	3	4	100 – **1100**	24 – 4		
MC 30/65-F	48SGQ9863A	2.2	3	200 – **1500**	12 – 2	**DN80 3"**	**Ø 65**
MC 40/65-F	48SGQ9864A	3	4	200 – **1600**	15 – 4		

- Power cable: 10 metres standard equipment
- Impeller: DOUBLE-CHANNEL AISI 304 precision cast stainless steel
- Shaft: AISI 431 stainless steel
- Patent n. IT0001428923
- Registered EU Design n. 008625685-0003, 008625685-0004

Standard supply single-phase version

- External float switch
- Windings with built-in thermal overload protector
- Electrical panel equipped with:
  - power switch;
  - green light indicating when the electric pump is powered;
  - amperometric protection with manual reset;
  - capacitor

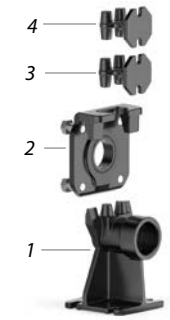
Standard supply three-phase version

- Thermal motor protector incorporated in the winding, to be connected to the external control panel

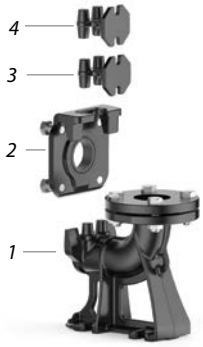
● SUPPORTING BASE (on request)

Cod. ASSBAVM

- Complete with screws



(A)



(B)

(C)

1 - Footing connection

2 - Slide guide (also to be ordered separately)

3 - Intermediate support (on request)

4 - Support for the guide tubes

SEWAGE LIFTING SYSTEM

HORIZONTAL DELIVERY VERSION WITH ¾" GUIDE TUBES (A)

For **VXC /50-F, MC /50-F**	Cod. ASSVXCF051	DN **2"**

- Kit consisting of:
  – footing connection;
  – slide guide with screws and seals;
  – support for the guide tubes.

VERTICAL DELIVERY VERSION WITH ¾" GUIDE TUBES (B)

For **VXC /50-F, MC /50-F**	Cod. ASSVXCF051V	DN **2½"**
For **VXC /65-F, MC /65-F**	Cod. ASSVXCF071V	DN **3"**

VERTICAL DELIVERY VERSION WITH 2" GUIDE TUBES (C)

For **VXC /50-F, MC /50-F**	Cod. ASSVXCF0704V	DN **3"**
For **VXC /65-F, MC /65-F**	Cod. ASSVXCF0705V	DN **3"**

- Kit consisting of:
  – footing connection complete with counterflange;
  – slide guide with screws and seals;
  – support for the guide tubes.

SLIDE GUIDE (also to be ordered separately)

For **VXC /50-F, MC /50-F** with guide tubes Ø **¾"**	Cod. ASSFL0017
For **VXC /65-F, MC /65-F** with guide tubes Ø **¾"**	Cod. ASSFL0018
For **VXC /50-F, MC /50-F** with guide tubes Ø **2"**	Cod. ASSFL071
For **VXC /65-F, MC /65-F** with guide tubes Ø **2"**	Cod. ASSFL072

- Complete with screws and seals

INTERMEDIATE SUPPORT (on request)

For guide tubes Ø **¾"**	Cod. 859SV340INTFA
For guide tubes Ø **2"**	Cod. 859SV349INTFA

GUIDE TUBES (AISI 304 stainless steel)

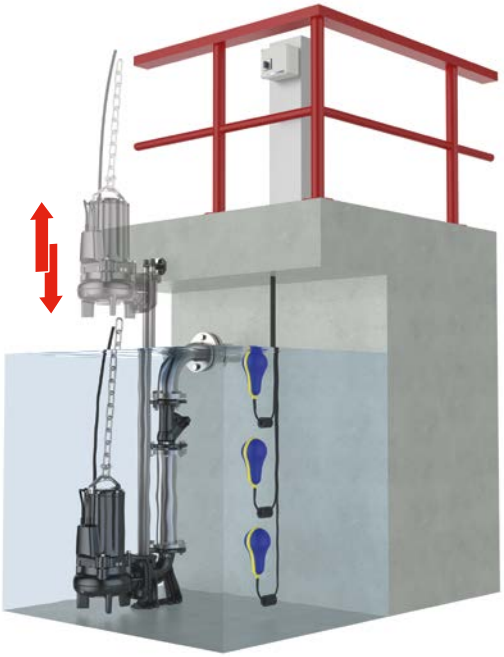
Guide tube Ø **¾"**	Cod. 54SARTG005
Guide tube Ø **2"**	Cod. 54SARTG006

- **In order to ensure stability, insert the intermediate support:**
  – every 2 metres with ¾" guide tubes (compulsory):
  – every 3 metres with 2" guide tubes (recommended).
- **Maximum length of the tube plank: 6 metres**

Horizontal delivery version

Vertical delivery version

TYPICAL INSTALLATION



VX 40 - 50 - 65 - 80 SUBMERSIBLE "VORTEX" PUMPS

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Three-phase	Code	kW	HP	l/min	m	DN	mm
VX 40/40	48SGV970DA	3	4	100 – **800**	22 – 5	**DN 50** (PN6) **2"**	**Ø 40**
VX 55/40	48SGV970EA	4	5.5	100 – **850**	25 – 6		
VX 40/50	48SGV970GA	3	4	100 – **900**	22 – 5.5	**DN 50** (PN10) **2"**	**Ø 50**
VX 55/50	48SGV970HA	4	5.5	100 – **1000**	25 – 6.5		
VX 40/65	48SGV970LA	3	4	200 – **1200**	15.6 – 2.5	**DN 65** (PN10) **2½"**	**Ø 65**
VX 55/65	48SGV970MA	4	5.5	200 – **1350**	19.4 – 3.7		
VX 75/65	48SGV970NA	5.5	7.5	200 – **1500**	23.6 – 5.5		
VX 40/80	48SGV970PA	3	4	200 – **1200**	11.5 – 3	**DN 80** (PN10) **3"**	**Ø 80**
VX 55/80	48SGV970QA	4	5.5	200 – **1400**	16 – 4		
VX 75/80	48SGV970RA	5.5	7.5	200 – **1800**	21 – 4.5		

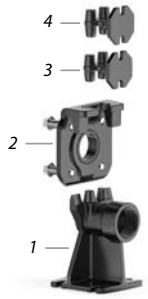
- Impeller: cast iron VORTEX with an Epoxy Electro Coating treatment
- Registered EU Design n.° 003863158-0002

BC 35 - 50 SUBMERSIBLE "DOUBLE-CHANNEL" PUMPS

MODEL		POWER P2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Three-phase	Code	kW	HP	l/min	m	DN	mm
BC 40/35	48SGM970CA	3	4	300 – **1500**	18.5 – 5.5	**DN 65** (PN10) **2½"**	**Ø 35**
BC 55/35	48SGM970DA	4	5.5	300 – **1700**	22.5 – 7.5		
BC 75/35	48SGM970EA	5.5	7.5	300 – **1900**	27.5 – 10		
BC 40/50	48SGM970GA	3	4	300 – **1800**	16 – 4.5	**DN 80** (PN10) **3"**	**Ø 50**
BC 55/50	48SGM970HA	4	5.5	300 – **2100**	20 – 6		
BC 75/50	48SGM970IA	5.5	7.5	300 – **2300**	24.5 – 7.5		

- Impeller: cast iron DOUBLE-CHANNEL with an Epoxy Electro Coating treatment
- Registered EU Design n. 003863158-0001

- Power cable: 10 metres standard equipment
- Two mechanical seals separated by an oil chamber
- Shaft: AISI 431 stainless steel
- **Motor with built-in thermal overload protector**



(A)

(B)

(C)

1 - Footing connection

2 - Slide guide
(also to be ordered separately)

3 - Intermediate support
(on request)

4 - Support for the guide tubes

SEWAGE LIFTING SYSTEM

HORIZONTAL DELIVERY VERSION WITH ¾" GUIDE TUBES (A)

For **VX /40**	Cod. ASSPVX40	DN **2"**
For **VX /50**	Cod. ASSPVX50	DN **2"**

- Kit consisting of:
  – footing connection;
  – slide guide with screws and seals;
  – support for the guide tubes.

VERTICAL DELIVERY VERSION WITH ¾" GUIDE TUBES (B)

For **VX /40**	Cod. ASSPVX40V	DN **2½"**
For **VX /50**	Cod. ASSPVX503V	DN **2½"**
For **VX /65, BC /35**	Cod. ASSPVX653V	DN **3"**
For **BC /50**	Cod. ASSVXCF071V	DN **3"**

VERTICAL DELIVERY VERSION WITH 2" GUIDE TUBES (C)

For **VX /50**	Cod. ASSPVX50V	DN **3"**
For **VX /65, BC /35**	Cod. ASSPVX65V	DN **3"**
For **VX /80, BC /50**	Cod. ASSVXCF0705V	DN **3"**

- Kit consisting of:
  – footing connection complete with counterflange;
  – slide guide with screws and seals;
  – support for the guide tubes.

SLIDE GUIDE (also to be ordered separately)

For **VX /40** with guide tubes Ø **¾"**	Cod. ASSFL011
For **VX /50** with guide tubes Ø **¾"**	Cod. ASSFL009
For **VX /65, BC /35** with guide tubes Ø **¾"**	Cod. ASSFL010
For **BC /50** with guide tubes Ø **¾"**	Cod. ASSFL0018
For **VX /50** with guide tubes Ø **2"**	Cod. ASSFL050
For **VX /65, BC /35** with guide tubes Ø **2"**	Cod. ASSFL065
For **VX /80, BC /50** with guide tubes Ø **2"**	Cod. ASSFL072

- Complete with screws and seals

INTERMEDIATE SUPPORT (on request)

For guide tubes Ø **¾"**	Cod. 859SV340INTFA
For guide tubes Ø **2"**	Cod. 859SV349INTFA

GUIDE TUBES (AISI 304 stainless steel)

Guide tube Ø **¾"**	Cod. 54SARTG005
Guide tube Ø **2"**	Cod. 54SARTG006

- **In order to ensure stability, insert the intermediate support:**
  – every 2 metres with ¾" guide tubes (compulsory):
  – every 3 metres with 2" guide tubes (recommended).
- **Maximum length of the tube plank: 6 metres**

Horizontal delivery version

Vertical delivery version

TYPICAL INSTALLATION

VXC4 SUBMERSIBLE "VORTEX" PUMPS FOR SEWAGE WATER

4 POLES n= 1450 min^{-1}

MODEL		POWER P_2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Three-phase	Code	kW	HP	l/min	m	DN	mm
VXC4 40/100	48SGVP970CA	3	4	300 – **1700**	7.6 – 2	**DN 100** (PN10)	**Ø 100**
VXC4 50/100	48SGVP970DA	3.7	5	300 – **2000**	10.2 – 2.7		
VXC4 55/100	48SGVP970EA	4	5.5	300 – **2200**	11.7 – 3		
VXC4 100/80	48SGVP980DE	7.5	10	800 – **3300**	13 – 4	**DN 100** (PN10)	**Ø 80**
VXC4 125/80	48SGVP980FE	9.2	12.5	800 – **3800**	14.9 – 4		
VXC4 150/80	48SGVP980GE	11	15	800 – **4200**	17.3 – 4		
VXC4 200/80	48SGVP980HE	15	20	800 – **5000**	20.1 – 4		

- Impeller: cast iron VORTEX

MC4 SUBMERSIBLE "DOUBLE-CHANNEL" PUMPS FOR SEWAGE WATER

4 POLES n= 1450 min^{-1}

MODEL		POWER P_2		PERFORMANCE Q	PERFORMANCE H	PORT	PASSAGE of solids
Three-phase	Code	kW	HP	l/min	m	DN	mm
MC4 40/55	48SGMP970CA	3	4	400 – **2400**	10 – 3.6	**DN 80** (PN10)	**Ø 55**
MC4 50/55	48SGMP970DA	3.7	5	400 – **2700**	12.6 – 4.8		
MC4 55/55	48SGMP970EA	4	5.5	400 – **2900**	14 – 5.3		
MC4 90/80	48SGMP980CE	6.7	9	800 – **4200**	15.4 – 4	**DN 100** (PN10)	**Ø 80**
MC4 110/80	48SGMP980EE	8	11	800 – **4600**	17.7 – 4.5		
MC4 125/80	48SGMP980FE	9.2	12.5	800 – **5000**	19.7 – 5		

- Impeller: cast iron DOUBLE-CHANNEL

- Power cable: 10 metres standard equipment
- Two mechanical seals separated by an oil chamber
- Shaft: AISI 431 stainless steel
- Internal probe to detect presence of water in the oil chamber for VXC4 /80 and MC4 /80
- **Winding equipped with three thermal overload cut-offs in series, to link to the external electricity panel as necessary**
- Registered EU Design n. 003863158-0003 for VXC4 – n. 003863158-0004 for MC4

OPTIONS AVAILABLE ON REQUEST
– Pumps equipped with internal probes detecting the presence of water in the oil chamber
– Pumps with double cable for star/delta start

COUNTERFLANGE (on request)

For **VXC4, MC4 /80**	Code ASS14FL100VXC4	**DN 100**
For **MC4 /55**	Code ASS14FL080MC4	**DN 80**

- Complete with screws and seal

BASE (on request)

For **VXC4 /80, MC4 /80**	Code ASSB01VXC4

- Complete with screws

1 - Footing connection

2 - Slide guide
(also to be ordered separately)

3 - Intermediate support
(on request)

4 - Support for the guide tubes

SEWAGE LIFTING SYSTEM

VERTICAL DELIVERY VERSION WITH 2" GUIDE TUBES

For **VXC4**, **MC4 /80**	Code ASSPVXC4V	DN **4"**
For **MC4 /55**	Code ASSPMC4V	DN **3"**

- Kit consisting of:
  – footing connection complete with counterflange;
  – slide guide with screws and seals;
  – support for the guide tubes.

SLIDE GUIDE (also to be ordered separately)

For **VXC4**, **MC4 /80**	Code ASSFL100
For **MC4 /55**	Code ASSFL080

- Complete with screws and seals

INTERMEDIATE SUPPORT (on request)

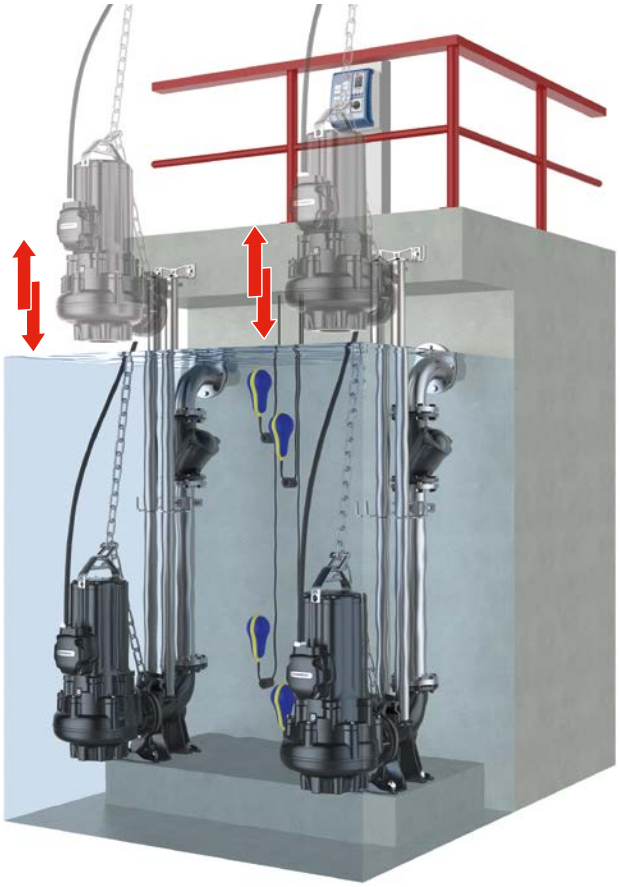
For guide tubes Ø **2"**	Code 859SV349INTFA

GUIDE TUBES (AISI 304 stainless steel)

Guide tube Ø **2"**	Code 54SARTG006

- **In order to ensure stability, insert the intermediate support every three metres of guide tube (recommended)**
- **Maximum length of the tube plank: 6 metres**

TYPICAL INSTALLATION



SAR 40 CLEAR WASTE WATER - RAINWATER

MODEL		POWER P_2		TANK CAPACITY	MAXIMUM FLOW RATE	MAXIMUM HEAD
Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 40 - TOP 1	KSF04TOP11A1	0.25	0.33	**40**	160	6
SAR 40 - TOP 2	KSF04TOP12A1	0.37	0.50	**40**	220	8
SAR 40 - TOP 3	KSF04TOP13A1	0.55	0.75	**40**	260	10
SAR 40 - RXm 1	KSF04TXP11A1	0.25	0.33	**40**	160	7
SAR 40 - RXm 2	KSF04TXP12A1	0.37	0.50	**40**	190	9.5
SAR 40 - RXm 3	KSF04TXP13A1	0.55	0.75	**40**	220	11.5

SAR 40 DIRTY OR SEWAGE WASTE WATER

MODEL		POWER P_2		TANK CAPACITY	MAXIMUM FLOW RATE	MAXIMUM HEAD
Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 40 - TOP 2-VORTEX	KSF04TOPV12A1	0.37	0.50	**40**	155	7.1
SAR 40 - TEX 2	KSF04TEX02A1	0.37	0.50	**40**	200	7.8
SAR 40 - TEX 3	KSF04TEX03A1	0.55	0.75	**40**	240	9.8
SAR 40 - RXm 2/20	KSF04TXV12A1	0.37	0.50	**40**	190	7.5

COMPONENTS

- 40-litre polyethylene tank with cover plate
- Pump with float switch
- Power cable: 5 metres standard equipment with Schuko plug
- Non-return valve
- Lifting stations with inlet pipe G 1½", discharge pipe G 1¼" and vent pipe G ½"

For the version with a 10 metres long power supply cable apply a surcharge of

Attention: Standard EN 60335-2-41 requires the use of a 10 metres long cable for outdoor applications

DIMENSIONS

SAR 100 CLEAR WASTE WATER - RAINWATER

MODEL		POWER P_2		TANK CAPACITY	MAXIMUM FLOW RATE	MAXIMUM HEAD
Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 100 - TOP 2	KSF10TOP12A1U	0.37	0.50	**100**	220	8
SAR 100 - TOP 3	KSF10TOP13A1U	0.55	0.75	**100**	260	10
SAR 100 - TOP 4	KSF10TOP142A1	0.75	1	**100**	320	12.5
SAR 100 - TOP MULTI 1	KSF10TPM050A1U	0.37	0.50	**100**	75	25
SAR 100 - TOP MULTI 2	KSF10TPM070A1U	0.55	0.75	**100**	80	38.5
SAR 100 - TOP MULTI 3	KSF10TPM170A1U	0.55	0.75	**100**	120	30
SAR 100 - RXm 2	KSF10TXP12A1U	0.37	0.50	**100**	190	9.5
SAR 100 - RXm 3	KSF10TXP13A1U	0.55	0.75	**100**	220	11.5
SAR 100 - Dm 10	KSF10SGD910A1U	0.75	1	**100**	300	15.5
SAR 100 - Dm 20	KSF10SGD920A1U	0.75	1	**100**	250	19
SAR 100 - Dm 30	KSF10SGD930A1U	1.1	1.5	**100**	275	26

SAR 100 DIRTY OR SEWAGE WASTE WATER

MODEL		POWER P_2		TANK CAPACITY	MAXIMUM FLOW RATE	MAXIMUM HEAD
Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 100 - TOP 2-VORTEX	KSF10TOPV12A1U	0.37	0.50	**100**	155	7.1
SAR 100 - TOP 3-VORTEX	KSF10TOPV13A1U	0.55	0.75	**100**	170	8.2
SAR 100 - RXm 2/20	KSF10TXV12A1U	0.37	0.50	**100**	190	7.5
SAR 100 - RXm 3/20	KSF10TXV13A1U	0.55	0.75	**100**	240	9.5
SAR 100 - ZXm 1A/40	KSF10SDZE3AA1U	0.60	0.70	**100**	400	10.5
SAR 100 - ZXm 2/30	KSF10SDZX230A1U	0.55	0.75	**100**	320	12.5
SAR 100 - ZXm 2/40	KSF10SDZX240A1U	0.55	0.75	**100**	400	11
SAR 100 - VXm 8/35	KSF10SGV90A0A1U	0.55	0.75	**100**	350	8
SAR 100 - VXm 10/35	KSF10SGV91A0A1U	0.75	1	**100**	400	10
SAR 100 - VXm 8/50	KSF10SGV91C0A1U	0.55	0.75	**100**	450	6
SAR 100 - VXm 10/50	KSF10SGV91D0A1U	0.75	1	**100**	550	8.5
SAR 100 - BCm 10/50	KSF10SGM81A0A1U	0.75	1	**100**	600	11

SAR 100 WITH GRINDER PUMPS (TRITUS)

Single-phase						
SAR 100 - TRm 0.75	KSF10SHT00A1	0.75	1	**100**	125	15
SAR 100 - TRm 1.1	KSF10SHT01A1	1.1	1.5	**100**	140	21.5

COMPONENTS

- 100-litre polyethylene tank with cover plate
- Pump with float switch
- Power cable: 10 metres standard equipment with Schuko plug
- Control panel (only for SAR 100 - TR)
- Lifting stations with inlet pipe Ø 110 mm, discharge pipe G 1¼" or G 1½" or G 2" and vent pipe Ø 50 mm

DIMENSIONS

SAR 250 CLEAR WASTE WATER - RAINWATER

MODEL		POWER P2		TANK CAPACITY	MAXIMUM FLOW RATE	MAXIMUM HEAD
Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 250 - TOP 3	KSE25TOP13A1U	0.55	0.75	**250**	260	10
SAR 250 - TOP 4	KSE25TOP142A1	0.75	1	**250**	320	12.5
SAR 250 - TOP 5	KSE25TOP152A1	0.92	1.25	**250**	360	15
SAR 250 - RXm 3	KSE25TXP13A1U	0.55	0.75	**250**	220	11.5
SAR 250 - RXm 4	KSE25TXP24A1U	0.75	1	**250**	270	15
SAR 250 - RXm 5	KSE25TXP25A1U	1.1	1.5	**250**	320	19.5
SAR 250 - Dm 10	KSE25SGD910A1U	0.75	1	**250**	300	15.5
SAR 250 - Dm 20	KSE25SGD920A1U	0.75	1	**250**	250	19
SAR 250 - Dm 30	KSE25SGD930A1U	1.1	1.5	**250**	275	26

SAR 250 DIRTY OR SEWAGE WASTE WATER

Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 250 - TOP 2-VORTEX	KSE25TOPV12A1U	0.37	0.50	**250**	155	7.1
SAR 250 - TOP 3-VORTEX	KSE25TOPV13A1U	0.55	0.75	**250**	170	8.2
SAR 250 - RXm 3/20	KSE25TXV13A1U	0.55	0.75	**250**	240	9.5
SAR 250 - RXm 4/40	KSE25TXV24A1U	0.75	1	**250**	340	11
SAR 250 - RXm 5/40	KSE25TXV25A1U	1.1	1.5	**250**	380	12.5
SAR 250 - VXm 10/35-ST	KSE25SGV96B0A1U	0.75	1	**250**	400	10.5
SAR 250 - VXm 10/50-ST	KSE25SGV96E0A1U	0.75	1	**250**	550	9.5
SAR 250 - BCm 10/50-ST	KSE25SGM88A0A1U	0.75	1	**250**	600	11
SAR 250 - VXm 10/35	KSE25SGV91A0A1U	0.75	1	**250**	400	10
SAR 250 - VXm 15/35	KSE25SGV91B0A1U	1.1	1.5	**250**	500	13.5
SAR 250 - VXm 10/50	KSE25SGV91D0A1U	0.75	1	**250**	550	8.5
SAR 250 - VXm 15/50	KSE25SGV91E0A1U	1.1	1.5	**250**	650	11
SAR 250 - BCm 10/50	KSE25SGM81A0A1U	0.75	1	**250**	600	11
SAR 250 - BCm 15/50	KSE25SGM82A0A1U	1.1	1.5	**250**	750	14

SAR 250 WITH GRINDER PUMPS (TRITUS)

Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 250 - TRm 0.75 *	KSE25SHT00A1	0.75	1	**250**	125	15
SAR 250 - TRm 0.9 *	–	0.9	1.25	**250**	170	15
SAR 250 - TRm 1.1 *	KSE25SHT01A1	1.1	1.5	**250**	140	21.5
SAR 250 - TRm 1.3 *	–	1.3	1.75	**250**	220	22.5
SAR 250 - TRm 1.5	KSE25SHT02A1	1.5	2	**250**	270	25
Three-phase						
SAR 250 - TR 0.75 *	–	0.75	1	**250**	125	15
SAR 250 - TR 0.9 *	–	0.9	1.25	**250**	170	15
SAR 250 - TR 1.1 *	–	1.1	1.5	**250**	140	21.5
SAR 250 - TR 1.3 *	–	1.3	1.75	**250**	220	22.5
SAR 250 - TR 1.5	–	1.5	2	**250**	270	25
SAR 250 - TR 2.2	–	2.2	3	**250**	280	30

(*) On request "SAR" stations with coupling feet and guide rails for the lowering of electric pumps

COMPONENTS

- 250-litre polyethylene tank with cover plate
- Pump with float switch
- Power cable: 10 metres standard equipment with Schuko plug
- Control panel (only for SAR 250 - TR)
- Lifting stations with inlet pipe Ø 110 mm, discharge pipe G 1¼" or G 1½" or G 2" and vent pipe DN 50 or DN 75
- Footing connection and guide tubes for lowering the pump (only for VX-ST and BC-ST)

DIMENSIONS

● OPTIONALS AVAILABLE ON REQUEST

Alarm KIT
(Code KSKIT-ALLARME)

Kit includes:
– control box
– self-powered siren
– float switch

300 mm extension kit
(Code KSKIT-308MA)

Extension kit for the installation of the polyethylene "SAR" tank at greater depths

"SAR" stations with ball check valves and ball valve in the discharge pipe — **On request**

SAR 550 CLEAR WASTE WATER - RAINWATER

MODEL		POWER P_2		TANK CAPACITY	MAXIMUM FLOW RATE (1 pump)	MAXIMUM HEAD
Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 550 - TOP 4	KSE55TOP142A1	0.75	1	**550**	320	12.5
SAR 550 - TOP 5	KSE55TOP152A1	0.92	1.25	**550**	360	15
SAR 550 - RXm 4	KSE55TXP24A1U	0.75	1	**550**	270	15
SAR 550 - RXm 5	KSE55TXP25A1U	1.1	1.5	**550**	320	19.5
SAR 550 - Dm 10	KSE55SGD910A1U	0.75	1	**550**	300	15.5
SAR 550 - Dm 20	KSE55SGD920A1U	0.75	1	**550**	250	19
SAR 550 - Dm 30	KSE55SGD930A1U	1.1	1.5	**550**	275	26

SAR 550 DIRTY OR SEWAGE WASTE WATER

Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 550 - RXm 4/40	KSE55TXV24A1U	0.75	1	**550**	340	11
SAR 550 - RXm 5/40	KSE55TXV25A1U	1.1	1.5	**550**	380	12.5
SAR 550 - VXm 10/35-ST	KSE55SGV96B0A1U	0.75	1	**550**	400	10.5
SAR 550 - VXm 10/50-ST	KSE55SGV96E0A1U	0.75	1	**550**	550	9.5
SAR 550 - BCm 10/50-ST	KSE55SGM88A0A1U	0.75	1	**550**	600	11
SAR 550 - VXm 10/35	KSE55SGV91A0A1U	0.75	1	**550**	400	10
SAR 550 - VXm 15/35	KSE55SGV91B0A1U	1.1	1.5	**550**	500	13.5
SAR 550 - VXm 10/50	KSE55SGV91D0A1U	0.75	1	**550**	550	8.5
SAR 550 - VXm 15/50	KSE55SGV91E0A1U	1.1	1.5	**550**	650	11
SAR 550 - BCm 10/50	KSE55SGM81A0A1U	0.75	1	**550**	600	11
SAR 550 - BCm 15/50	KSE55SGM82A0A1U	1.1	1.5	**550**	750	14
Three-phase						
SAR 550 - VX 15/50	KSE55SGV91E0AU	1.1	1.5	**550**	650	11
SAR 550 - BC 15/50	KSE55SGM82A0AU	1.1	1.5	**550**	750	14

SAR 550 WITH GRINDER PUMPS (TRITUS)

Single-phase	Code	**kW**	**HP**	litres	l/min	m
SAR 550 - TRm 0.75 *	KSE55SHT00A1	0.75	1	**550**	125	15
SAR 550 - TRm 0.9 *	–	0.9	1.25	**550**	170	15
SAR 550 - TRm 1.1 *	KSE55SHT01A1	1.1	1.5	**550**	140	21.5
SAR 550 - TRm 1.3 *	–	1.3	1.75	**550**	220	22.5
SAR 550 - TRm 1.5	KSE55SHT02A1	1.5	2	**550**	270	25
Three-phase						
SAR 550 - TR 0.75 *	–	0.75	1	**550**	125	15
SAR 550 - TR 0.9 *	–	0.9	1.25	**550**	170	15
SAR 550 - TR 1.1 *	KSE55SHT01A	1.1	1.5	**550**	140	21.5
SAR 550 - TR 1.3 *	–	1.3	1.75	**550**	220	22.5
SAR 550 - TR 1.5	–	1.5	2	**550**	270	25
SAR 550 - TR 2.2	–	2.2	3	**550**	280	30

(*) On request "SAR" stations with coupling feet and guide rails for the lowering of electric pumps

COMPONENTS

- 550-litre polyethylene tank with cover plate
- Control panel
- Three float switches for: 1) the alternate start-up of one of the two pumps, 2) maximum level for starting-up the second pump, 3) minimum level for switching the pumps off
- Power cable: 10 metres standard equipment
- Lifting stations with inlet pipe Ø 110 mm, discharge pipe G 1¼" or G 1½" or G 2" and vent pipe DN 50 or DN 75
- Footing connection and guide tubes for lowering the pump (only for VX-ST and BC-ST)

DIMENSIONS

● OPTIONALS AVAILABLE ON REQUEST

Alarm KIT
(Code KSKIT-ALLARME)

Kit includes:
– control box
– self-powered siren
– float switch

300 mm extension kit
(Code KSKIT-308MA)

Extension kit for the installation of the polyethylene "SAR" tank at greater depths

"SAR" stations with ball check valves and ball valve in the discharge pipe	**On request**

HYDROFRESH AUTOCLAVE SETS

MODEL		POWER (P2)		Flow rate(1)	Setting(2)
Single-phase	Code	**kW**	**HP**	l/min	bar
HYDROFRESH 24 SF					
JSWm 1A - 24 SF	H46JSN1AA1P	0.55	0.75	55	1.8 – 3.2
JSWm 2CX - 24 SF	H46JSNP7A10A1P	0.75	1	70	2.0 – 3.5
JSWm 2AX - 24 SF	H46JSNP7A15A1P	1.1	1.5	70	2.8 – 4.0
HYDROFRESH 24 CL					
PKm 60 - 24 CL	I41PNK60A1P	0.37	0.50	32	1.4 – 2.8
PKm 65 - 24 CL	I41PNK67A1P	0.50	0.70	40	1.5 – 3.0
CPm 158 - 24 CL	I44CI16A1P	0.75	1	90	1.8 – 3.2
CPm 170 - 24 CL	I44CM17A1P	1.1	1.5	120	2.2 – 3.5
JCRm 1A - 24 CL	I46JCN1A0A1P	0.55	0.75	55	1.8 – 3.2
JCRm 2C - 24 CL	I46JCR2A10A1P	0.75	1	70	1.9 – 3.4
JCRm 2A - 24 CL	I46JCR2A15A1P	1.1	1.5	70	2.7 – 4.0
JSWm 1A - 24 CL	I46JSN1AA1P	0.55	0.75	55	1.8 – 3.2
JSWm 2CX - 24 CL	I46JSNP7A10A1P	0.75	1	70	2.0 – 3.5
JSWm 2BX - 24 CL	I46JSNP7A12A1P	0.90	1.25	70	2.4 – 3.8
JSWm 2AX - 24 CL	I46JSNP7A15A1P	1.1	1.5	70	2.8 – 4.0
HYDROFRESH 60 CL					
JSWm 2CX - 60 CL	L46JSNP7A10A1P	0.75	1	70	2.0 – 3.5
JSWm 2BX - 60 CL	L46JSNP7A12A1P	0.90	1.25	70	2.4 – 3.8
JSWm 2AX - 60 CL	L46JSNP7A15A1P	1.1	1.5	70	2.8 – 4.0

COMPONENTS

- Single-phase pump
- Tank
- Pressure switch PSG-1
- Pressure gauge
- Hose (for 24CL and 60CL)
- Brass connector
- 1.5 m power cable with Schuko plug

(1) Maximum flow rate at the minimum recommended pressure switch pressure
(2) Recommended pressure range

COMPONENTS **EASYPUMP**:
- Single-phase pump
- EASYPRESS with pressure gauge GSR quick-fit joint
- 1.5 metres power cable with Schuko plug

EASYPUMP-EP PUMPS WITH ELECTRONIC PRESSURE REGULATOR

MODEL		POWER (P_2)	
Single-phase	Code	**kW**	**HP**
3CPm 80 - EP	K63CPN382A1	0.45	0.60
4CPm 80 - EP	K63CPN283A1	0.55	0.75
4CPm 100 - EP	K63CPN286A1	0.75	1
3CRm 80X - EP	K63CR08D3A1	0.45	0.60
4CRm 80X - EP	K63CR08D4A1	0.55	0.75
5CRm 80 - EP	K63CR08I5A1	0.75	1
4CRm 100X - EP	K63CR10D4A1	0.75	1
2CPm 25/14B - EP	K652CM2616BA1	1.1	1.5
JSWm 1A - EP	K66JSN1AA1	0.55	0.75
JSWm 2C - EP	K66JSN7A10A1	0.75	1
JSWm 2B - EP	K66JSN7A12A1	0.90	1.25
JSWm 2A - EP	K66JSN7A15A1	1.1	1.5
JSWm 2CX - EP	K66JSNP7A10A1	0.75	1

EASYPUMP

Small pumps fitted with an electronic pressure switch that starts and stops the pump as required when a tap is turned on or off.

The pump is also protected against dry running.

EASY SMALL

MODEL	CODE	Power (P2) kW	Power (P2) HP	Volt	Hz	Max current	Ports (M) (F)
EASYSMALL	50066/415P	1.5	2	230	50/60	16 A	**1"** x **1"**

- Maximum flow rate: **200 l/min** (12 m^3/h)
- Working pressure: **10 bar**
- Restarting pressure: **1.5 bar**

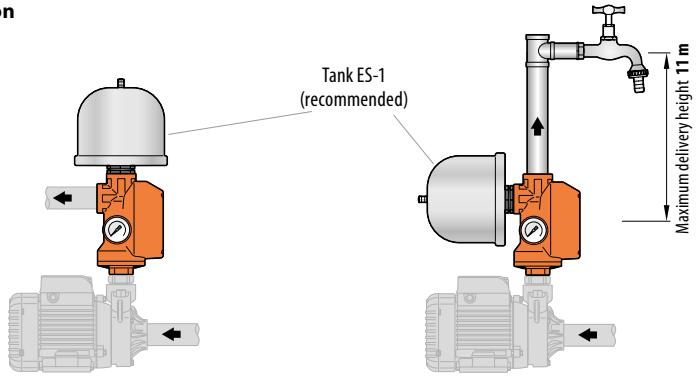
- Registered EU Design n 001774928
- Registered trade mark n. 0001511131 EASYSMALL®

TANK

MODEL	CODE	Fitting	Capacity	Pre-set
ES-1	500668B	**1" M**	1 litre	1.2 bar

- **To avoid repeated starts and to save energy, we recommend that EASYSMALL is installed with a small pressure vessel**

Typical installation



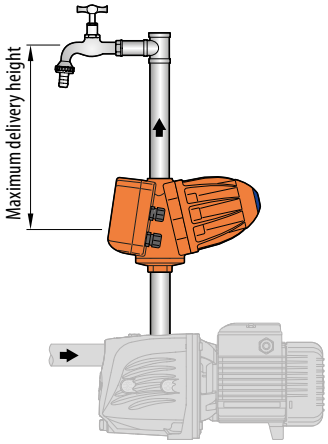
EASY PRESS

MODEL	CODE	Power (P2) kW	Power (P2) HP	Volt	Hz	Max current	Ports (M) (M)
EASYPRESS	50066/215P	1.5	2	230	50/60	16 A	**1"** x **1"**

- Maximum flow rate: **200 l/min** (12 m^3/h)
- Working pressure: **10 bar**
- Restarting pressure: **1.5 bar**
  (restaring pressure can be set at 0,8 bar or at 2.2 bar on request)

- Registered EU Design n. 868062
- Patent n. IT 1388969, IT 1388970
- Registered trade mark n. 0001334481 EASYPRESS®

Typical installation



Maximum delivery height

2.2 bar version = **18 m**
1.5 bar version = **11 m**
0.8 bar version = **5 m**

- **Electronic devices that start (when a tap is turned on) and stop (when the tap is turned off) single-phase pumps.**
- **All models guarantee the protection of the pump against dry running in the event of a lack of water and the automatic restart of the pump when water returns.**

•PRESFLO

MODEL	CODE	Power (P2) kW	Power (P2) HP	Volt	Hz	Max current	Ports (M) (F)
PRESFLO	50064/115	1.5	2	230	50/60	16 A	**1"** x **1"**

- Maximum flow rate: **200 l/min** (12 m^3/h)
- Working pressure: **10 bar**
- Restarting pressure: **1.5 bar** (restarting pressure can be set at 0.8 bar or at 2.2 bar on request)

•PRESFLO VARIO

MODEL	CODE	Power (P2) kW	Power (P2) HP	Volt	Hz	Max current	Ports (M) (F)
PRESFLO VARIO	50064/200	1.5	2	230	50/60	16 A	**1"** x **1"**

- Maximum flow rate: **200 l/min** (12 m^3/h)
- Working pressure: **10 bar**
- Default settings:
  – Restarting pressure: **1.5 bar**, adjustable in a range between **0.8** and **2.4 bar**.

➠ Pressure-flow regulator with adjustable starting pressure.

•PRESFLO MULTI

MODEL	CODE	Power (P2) kW	Power (P2) HP	Volt	Hz	Max current	Ports (M) (F)
PRESFLO MULTI	50064/240	1.5	2	230	50/60	16 A	**1"** x **1"**

- Maximum flow rate: **200 l/min** (12 m^3/h)
- Working pressure: **8 bar**
- Default settings:
  – Restarting pressure: **2 bar**, adjustable in a range between **1** and **5 bar**.
  – Maximum rated rurrent: **16 A**, adjustable in a range between **4** and **16 A**.

➠ **PRESFLO MULTI** stands out from the traditional pressure-flow regulators thanks to some innovative features:
– an air filled expansion vessel, equipped in the device;
– manual setup of the starting pressure of the pump and the maximum current.

•FLUX

MODEL	CODE	Power (P2) kW	Power (P2) HP	Volt	Hz	Max current	Ports (M) (F)
FLUX	50064/400	1.5	2	230	50/60	16 A	**1"** x **1"**

- Maximum flow rate: **200 l/min** (12 m^3/h)
- Working pressure: **10 bar**

➠ Electronic flow regulator for control and protection of single-phase pumps up to 2HP, installed with negative suction head or with conveyance by acqueduct.
➠ FLUX starts the pump when the tap is turned on, and stops it when the flow rate is lower than 2 l/min.

•PRESET

MODEL	CODE	Power (P2) kW	Power (P2) HP	Volt	Hz	Max current	Ports (M) (M)
PRESET	50064/500	1.5	2	230	50/60	16 A	**1"** x **1"**

- Maximum flow rate: **200 l/min** (12 m^3/h)
- Working pressure: **10 bar**
- Default settings:
  – Running pressure: **2 bar**
  – Stop pressure: **3 bar**

➠ Electronic pressure regulator for control and protection of single-phase pumps up to 2 HP
– Running/stop pressures adjustable between 0.8 to 9 bar
– Amperometric protection
– Dry-running protection
– Protection from frequent starts.

SPARE ELECTRONIC CARD

EASYSMALL*	Cod. 500699CS65
EASYPRESS	Cod. 50066/215SB
PRESFLO PRESFLO VARIO	Cod. 7DGFDR1115K09
PRESFLO MULTI	Cod. 7DGFDR1117K08
FLUX	Cod. 7DGFDR1114K04
PRESET	Cod. 7DGFDR1131K02

* Spare electronic board c/w lid cover

QUICK FIT JOINT

GSR 1	Cod. 5006991	**Fitting 1" M**

STEADYPRES WATER COOLED VARIABLE SPEED ELECTRONIC CONTROLS

MODEL	CODE	POWER P_2 kW	POWER P_2 HP	LINE VOLTAGE SUPPLY Volt	PUMP VOLTAGE Volt	FREQUENCY Hz	NOMINAL MAX CURRENT A	PORTS
Single phase input / Single-phase pump								
STEADYPRES MM 8.5	50064/605	1.1	1.5	1 x 230 V	1 x 230 V	50/60	8.5	1" x 1"
STEADYPRES MM 11	50064/610	1.5	2.0	1 x 230 V	1 x 230 V	50/60	11.0	1" x 1"
STEADYPRES MM 16	50064/615	2.2	3.0	1 x 230 V	1 x 230 V	50/60	16.0	1" x 1"
Single phase input / Three-phase pump 230 V								
STEADYPRES MT 7	50064/620	1.1	1.5	1 x 230 V	3 x 230 V	50/60	7.0	1" x 1"
STEADYPRES MT 12	50064/625	2.2	3.0	1 x 230 V	3 x 230 V	50/60	12.0	1" x 1"
Three-phase input / Three-phase pump 400 V								
STEADYPRES TT 6	50064/630	2.2	3.0	3 x 400 V	3 x 400 V	50/60	6.0	1" x 1"
STEADYPRES TT 8	50064/640	3.0	4.0	3 x 400 V	3 x 400 V	50/60	8.0	1" x 1"

- Protection **IP 65**
- Maximum working pressure: **10 bar**
- Set pressure: **1–9 bar**

STEADYPRES electronic expansion board for building pumping groups — Cod. 7DGFD01531K01

STEADYPRESS electronic interface board (replacement) — Cod. 7DGFDR1141K46

Fittings

GSRP 1	3-piece joint in technopolymer, o-ring seal, 1 "gas	Cod . 5006991P
GSR 1	3-piece joint , o-ring seal, 1 "gas	Cod . 5006991
GSR 1.25	3-piece joint , o-ring seal, 1 " ¼ gas	Cod . 500699114

- **In case of installations where the cable length between the inverter and the electric pump exceeds 15 metres, it is mandatory to connect our sinusoidal filters to the inverter output, in order to protect the motor insulation.**

DGFIT AIR COOLED SELF VENTILATED INVERTERS

SINGLE-PHASE POWER SUPPLY 230 V

MODEL		POWER P2		MAX CURRENT	LINE VOLTAGE	PUMP VOLTAGE	FREQUENCY
Single-phase	Code	kW	HP	A	Volt	Volt	Hz
DGFIT MM 8	50065/106DGF	1.1	1.5	8.5	1 x 230 V	1 x 230 V	50/60
DGFIT MM 11	50065/107DGF	1.5	2.0	11	1 x 230 V	1 x 230 V	50/60
DGFIT MM 16	50065/108DGF	2.2	3.0	16	1 x 230 V	1 x 230 V	50/60
DGFIT MT 7	50065/109DGF	1.1	1.5	7	1 x 230 V	3 x 230 V	50/60
DGFIT MT 12	50065/110DGF	2.2	3.0	12	1 x 230 V	3 x 230 V	50/60

- **All models are equipped with a built-in RS485 communication board for up to 3 electric water pumps**
- **Inverters that must be equipped with pressure transducers**

● Protection: **IP 54**

THREE-PHASE POWER SUPPLY 400 V

MODEL		POWER P2		MAX CURRENT	LINE VOLTAGE	PUMP VOLTAGE	FREQUENCY
Three-phase	Code	kW	HP	A	Volt	Volt	Hz
DGFIT TT 6	50065/205DGF	2.2	3.0	6	3 x 400 V	3 x 400 V	50/60
DGFIT TT 8	50065/206DGF	3.0	4.0	8	3 x 400 V	3 x 400 V	50/60

- **Available separately RS485 communication board for up to 3 electric water pumps**
- **Inverters that must be equipped with pressure transducers**

● Protection: **IP 54**

RS485 communication board (for DGFIT TT) Cod. 7DGFDR1145K01

PRESSURE TRANSDUCERS

MODEL	CODE	FITTING	OUTPUT SIGNAL
MBS1700	7DGFN01612905	¼"	4-20 mA
SP528	7DGFN01612902	¼"	4-20 mA

ACCESSORIES

FITTINGS AND PRESSURE REDUCERS

MODEL	Code	Description
GSRP 1	5006991P	3-piece joint in technopolymer, o-ring seal, 1 "gas
GSR 1	5006991	3-piece joint , o-ring seal, 1 "gas
GSR 1.25	500699114	3-piece joint , o-ring seal, 1 " ¼ gas
WPR 1	7DGFN01641901	pressure reducer 1" 0,5/6 bar

SINUSOIDAL FILTERS

SF M

SF T

MODEL	Code	Description
SF M 09	7DGFD01621001	Single-phase sinusoidal output filter for long distances 9A, IP65
SF M 16	7DGFD01621002	Single-phase sinusoidal output filter for long distances 16A, IP65
SF T 08	7DGFD01622301	Three-phase sinusoidal output filter for long distances 8A, IP64
SF T 12	7DGFD01622303	Three-phase sinusoidal output filter for long distances 12A, IP64
SF T 16	7DGFD01622302	Three-phase sinusoidal output filter for long distances 16A, IP64
SF T 20	7DGFD01622304	Three-phase sinusoidal output filter for long distances 20A, IP64

● **In case of installations where the cable length between the inverter and the electric pump exceeds 15 metres, it is mandatory to connect our sinusoidal filters to the inverter output, in order to protect the motor insulation.**

CB2 - MK

CB2 - CR

CB2 - FCR

CB2 - 2CP

CB2 AUTOCLAVE SETS

MODEL		POWER INSTALLED (P2)			MAXIMUM FLOW RATE*	MAX HEAD	PORTS	
Single-phase	Code	**kW**	**HP**	▲	m^3/h	m	DN1	DN2
CB2 - MKm 3/3	KCPM0303A1	2x0.75	2x1	–	9.6	52.5	**2"**	**1½"**
CB2 - MKm 3/5	KCPM0305A1	2x1.1	2x1.5		9.6	87		
CB2 - MKm 3/6	KCPM0306A1	2x1.5	2x2		9.6	105		
CB2 - MKm 5/4	KCPM0504A1	2x0.75	2x1		14.4	57		
CB2 - MKm 5/5	KCPM0505A1	2x1.1	2x1.5		14.4	71		
CB2 - MKm 5/7	KCPM0507A1	2x1.5	2x2		14.4	99		
CB2 - MKm 8/4	KCPM0804A1	2x1.1	2x1.5		21.6	114	**2½"**	
CB2 - MKm 8/5	KCPM0805A1	2x1.5	2x2		21.6	70		
CB2 - 5CRm 80	KCCR08I5A1	2x0.75	2x1	–	9.6	67	**1½"**	**1½"**
CB2 - 4CRm 100	KCCR10I4A1	2x0.75	2x1		15.6	50	**2"**	
CB2 - 5CRm 100	KCCR10I5A1	2x1.1	2x1.5		15.6	63		
CB2 - FCRm 90/5	KCCRI0905A1	2x1.1	2x1.5	–	10.8	80	**2"**	**1½"**
CB2 - FCRm 130/4	KCCRI1304A1	2x1.5	2x2		15.6	65		
CB2 - 2CPm 25/130	KC2CT130NA1	2x0.75	2x1	–	12,0	42	**1½"**	**1½"**
CB2 - 2CPm 25/14B	KC2CT26160BA1	2x1.1	2x1.5		12.0	54	**2"**	**1½"**
CB2 - 2CPm 25/16C	KC2CT26140CA1	2x1.1	2x1.5		14.4	47		
CB2 - 2CPm 25/16B	KC2CT26140BA1	2x1.5	2x2		16.8	58		
Three-phase								
CB2 - MK 3/3	KCPM0303A	2x0.75	2x1	**IE3**	9.6	52.5	**2"**	**1½"**
CB2 - MK 3/5	KCPM0305A	2x1.1	2x1.5		9.6	87		
CB2 - MK 3/6	KCPM0306A	2x1.5	2x2		9.6	105		
CB2 - MK 5/4	KCPM0504A	2x0.75	2x1		14.4	57		
CB2 - MK 5/5	KCPM0505A	2x1.1	2x1.5		14.4	71		
CB2 - MK 5/7	KCPM0507A	2x1.5	2x2		14.4	99		
CB2 - MK 5/8	KCPM0508A	2x2.2	2x3		14.4	114		
CB2 - MK 8/4	KCPM0804A	2x1.1	2x1.5		21.6	56	**2½"**	
CB2 - MK 8/5	KCPM0805A	2x1.5	2x2		21.6	70		
CB2 - MK 8/6	KCPM0806A	2x2.2	2x3		21.6	84		
CB2 - 5CR 100	KCCR10I5A	2x1.1	2x1.5	**IE3**	15.6	62	**2"**	**1½"**
CB2 - FCR 90/5	KCCRI0905A	2x1.1	2x1.5	**IE3**	10.8	80	**2"**	**1½"**
CB2 - FCR 130/4	KCCRI1304A	2x1.5	2x2		15.6	65		
CB2 - FCR 130/5	KCCRI1305A	2x1.8	2x2.5		15.6	81		
CB2 - FCR 15/3	KCFCR010530AA	2x4	2x5.5		48	72	DN **100**	DN **80**
CB2 - FCR 15/4	KCFCR010540AA	2x5.5	2x7.5		48	96		
CB2 - 2CP 25/14B	KC2CT26160BA	2x1.1	2x1.5	**IE3**	12.0	54	**2"**	**1½"**
CB2 - 2CP 25/16C	KC2CT26140CA	2x1.1	2x1.5		14.4	47		
CB2 - 2CP 25/16B	KC2CT26140BA	2x1.5	2x2		16.8	58		
CB2 - 2CP 25/16A	KC2CT26140AA	2x2.2	2x3		19.2	68		
CB2 - 2CP 32/200C	KC2CT3030CA	2x3	2x4		30.0	70	**3"**	**2"**
CB2 - 2CP 32/200B	KC2CT3130BA	2x4	2x5.5		30.0	85		
CB2 - 2CP 32/210B	KC2CT3430BA	2x5.5	2x7.5		30.0	94		
CB2 - 2CP 32/210A	KC2CT3530AA	2x7.5	2x10		30.0	112		
CB2 - 2CP 40/180C	KC2CT3830CA	2x4	2x5.5		42.0	64	DN **100**	DN **80**
CB2 - 2CP 40/180B	KC2CT3930BA	2x5.5	2x7.5		48.0	76		
CB2 - 2CP 40/180A	KC2CT4030AA	2x7.5	2x10		48.0	88		

* Maximum flow rate of the pressure booster set with both pumps running
▲ Three phase motor efficiency class (IEC 60034-30-1)

For any requests for CB2 units not included, please contact our sales office

DG PED®

AUTOMATIC PRESSURISATION SYSTEM WITH INVERTER

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
DG PED 3	KDGP03A1	0.75	1	IE3	5 – **80**	55 – 10	1"	1"
DG PED 5	KDGP05A1	1.1	1.5		5 – **120**	55 – 10		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- **DG PED** is an automatic pressurisation system with an inverter which integrates a built-in high efficiency self-priming pump, a accumulator tank, pressure and flow rate sensors and a non-return valve.
- **DG PED** is a compact autonomous quiet and high performance pumping system.
- **DG PED** is designed to operate at 50 Hz and 60 Hz.
- The sophisticated electronically controlled inverter, at the heart of the system, in an intuitive way:
  - maintains the pressure of the installation constant by regulating the velocity of the pump in accordance with the water required;
  - controls the hydraulic and electric operating parameters and protects the pump from abnormalities;
  - can be equipped with an expansion card that makes it possible to work in parallel with other DG PED in the pumping groups and to manage input and output signals;
  - it adapts to every type of pressurisation system, including existing ones;
  - it limits the starting and operating currents in order to provide a greater saving of energy.

WRAS certified electric waterpump

ALL IN ONE

Main components:
- *Multistage self-priming pump*
- *Expansion tank*
- *Non-return valve*
- *Intuitive control panel*

LOW-NOISE

CONSTANT PRESSURE

EASY TO USE

INSTALLABLE ANYWHERE

Thanks to its compactness and low noise level the DG PED can be installed anywhere.

COMPACT DIMENSIONS

DOMESTIC USE

A single DG PED meets the requirements of single apartments or small houses.

RESIDENTIAL USE

Two DG PED assembled as a set meet the requirements of more than one apartment.

OPTIONAL ACCESSORIES

Connection kit for two DG PED units

Cod. ASSKITDGP01

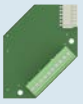
Kit for wall-mounting a group of two units

Cod. ASSKITDGP03

Kit for wall-mounting a single DG PED

Cod. ASSKITDGP02

Please note: for a pumping group made of 2 DG PED are required 2 electronic expansion boards.



Electronic expansion circuit board

Cod. ASSKITDGP04

TISSEL-100 MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE		PORTS	
Single-phase	Code	kW	HP	▲	Q l/min	H m	DN1	DN2
TS1-4CP 100	KTS1A4CP100A1	0.75	1		5 – **130**	44 – 5		
TS1-4CR 100X	KTS1A4CR100A1	0.75	1	**IE3**	5 – **130**	44 – 5	**1"**	**1"**
TS1-5CR 100	KTS1A5CR10IA1	1.1	1.5		5 – **130**	56 – 8		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Multi-stage centrifugal pumps with a variable speed inverter
- Single-phase power supply 230 V - 50 Hz
- Three-phase motor 230 V - 50 Hz

TISSEL-100 CENTRIFUGAL TWIN-IMPELLER PUMPS

MODEL		POWER P2			PERFORMANCE		PORTS	
Single-phase	Code	kW	HP	▲	Q l/min	H m	DN1	DN2
TS1-2CP 25/130	KTS1A2CP130A1	0.75	1		5 – **100**	36 – 15		
TS1-2CP 25/14B	KTS1A2CP14BA1	1.1	1.5		5 – **100**	48 – 22		
TS1-2CP 25/14A	KTS1A2CP14AA1	1.5	2		5 – **100**	61 – 32		
TS1-2CP 25/16C	KTS1A2CP16CA1	1.1	1.5	**IE3**	5 – **120**	41 – 24	**1¼"**	**1"**
TS1-2CP 25/16B	KTS1A2CP16BA1	1.5	2		5 – **140**	52 – 30		
TS1-2CP 25/16A	KTS1A2CP16AA1	2.2	3		5 – **160**	62 – 32		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Centrifugal twin-impeller pumps with a variable speed inverter
- Single-phase power supply 230 V - 50 Hz
- Three-phase motor 230 V - 50 Hz

The group consists of:

- Pump
- **TISSEL 100** frequency converter programmed for a constant pressure with an incorporated pressure transducer
- Cables to connect the INVERTER to the pump

TISSEL-200 VERTICAL CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE		PORTS	
Single-phase	Code	kW	HP	▲	Q l/min	H m	DN1	DN2
TS2-MK 3/3	KTS2AMK0303A1	0.75	1	IE3	5 – **80**	46 – 29	1¼"	1"
TS2-MK 3/5	KTS2AMK0305A1	1.1	1.5		5 – **80**	80 – 48		
TS2-MK 3/6	KTS2AMK0306A1	1.5	2		5 – **80**	96 – 58		
TS2-MK 5/4	KTS2AMK0504A1	0.9	1.25		5 – **120**	50 – 17		
TS2-MK 5/5	KTS2AMK0505A1	1.1	1.5		5 – **120**	62 – 21.5		
TS2-MK 5/7	KTS2AMK0507A1	1.5	2		5 – **120**	90 – 30		
TS2-MK 5/8	KTS2AMK0508A1	1.8	2.5		5 – **120**	102 – 34		
TS2-MK 8/4	KTS2AMK0804A1	1.3	1.75		5 – **180**	50 – 12		
TS2-MK 8/5	KTS2AMK0805A1	1.5	2		5 – **180**	64 – 15.5		
TS2-MK 8/6	KTS2AMK0806A1	1.8	2.5		5 – **180**	78 – 18.5		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed vertical multi-stage centrifugal pumps fitted with an inverter
- Single-phase power supply 230 V - 50 Hz
- Three-phase motor 230 V - 50 Hz

TISSEL-200 MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE		PORTS	
Single-phase	Code	kW	HP	▲	Q l/min	H m	DN1	DN2
TS2-FCR 90/5	KTS2A5CR090A1	1.1	1.5	IE3	5 – **90**	78 – 38	1¼"	1"
TS2-FCR 90/6	KTS2A6CR090A1	1.5	2		5 – **90**	94 – 45		
TS2-FCR 90/7	KTS2A7CR090A1	1.8	2.5		5 – **90**	110 – 53		
TS2-FCR 130/3	KTS2A3CR130A1	1.1	1.5		5 – **130**	49 – 24		
TS2-FCR 130/4	KTS2A4CR130A1	1.5	2		5 – **130**	65 – 31		
TS2-FCR 130/5	KTS2A5CR130A1	1.8	2.5		5 – **130**	81 – 39		
TS2-FCR 130/6	KTS2A6CR130A1	2.2	3		5 – **130**	97 – 45		
TS2-FCR 200/3	KTS2A3CR200A1	1.1	1.5		5 – **200**	43 – 13		
TS2-FCR 200/4	KTS2A4CR200A1	1.5	2		5 – **200**	57 – 17		
TS2-FCR 200/5	KTS2A5CR200A1	1.8	2.5		5 – **200**	72 – 22		
TS2-FCR 200/6	KTS2A6CR200A1	2.2	3		5 – **200**	86 – 26		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed multi-stage centrifugal pumps fitted with an inverter
- Single-phase power supply 230 V - 50 Hz
- Three-phase motor 230 V - 50 Hz
- Impellers and diffusers: **AISI 304 stainless steel**

The group consists of:

- Pump
- **TISSEL 200** frequency converter programmed for a constant pressure
- Pressure transducer
- Cables to connect the INVERTER to the pump

Flanges in **AISI 304 stainless steel**
(on request)

VSP-FCR MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
VSPm-FCR 90/3	–	1.5	2	**IE3**	10 – **90**	73 – 44	**1¼"**	**1"**
VSPm-FCR 130/3	–	1.5	2		10 – **130**	76 – 31		
VSPm-FCR 200/3	–	1.5	2		10 – **200**	68 – 14		
Three-phase								
VSP-FCR 90/3	–	1.5	2	**IE3**	10 – **90**	73 – 44	**1¼"**	**1"**
VSP-FCR 90/4	–	2.2	3		10 – **90**	105 – 63		
VSP-FCR 130/3	–	1.5	2		10 – **130**	76 – 31		
VSP-FCR 130/4	–	2.2	3		10 – **130**	110 – 58		
VSP-FCR 200/3	–	1.5	2		10 – **200**	68 – 14		
VSP-FCR 200/4	–	2.2	3		10 – **200**	98 – 30		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed multi-stage centrifugal pumps fitted with an inverter
- Impellers and diffusers: **AISI 304 stainless steel**
- Single-phase power supply: 230 V - 50 Hz
- Three-phase power supply: 400 V - 50 Hz
- Three-phase motor: 230/400 V - 50 Hz

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

The group consists of:
- Pump
- **VSP** frequency converter programmed for a constant pressure
- Pressure transducer
- Cables to connect the INVERTER to the pump

VSP-PLURIJET SELF-PRIMING MULTI-STAGE PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
VSPm-PLURIJET 3/90	–	1.5	2	**IE3**	10 – **90**	73 – 44	**1¼"**	**1"**
VSPm-PLURIJET 3/130	–	1.5	2		10 – **130**	76 – 31		
VSPm-PLURIJET 3/200	–	1.5	2		10 – **200**	68 – 14		
Three-phase								
VSP-PLURIJET 3/90	–	1.5	2	**IE3**	10 – **90**	73 – 44	**1¼"**	**1"**
VSP-PLURIJET 4/90	–	2.2	3		10 – **90**	105 – 63		
VSP-PLURIJET 3/130	–	1.5	2		10 – **130**	76 – 31		
VSP-PLURIJET 4/130	–	2.2	3		10 – **130**	110 – 58		
VSP-PLURIJET 3/200	–	1.5	2		10 – **200**	68 – 14		
VSP-PLURIJET 4/200	–	2.2	3		10 – **200**	98 – 30		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed multi-stage centrifugal pumps fitted with an inverter
- Impellers and diffusers: **AISI 304 stainless steel**
- Single-phase power supply: 230 V - 50 Hz
- Three-phase power supply: 400 V - 50 Hz
- Three-phase motor: 230/400 V - 50 Hz

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

The group consists of:
- Pump
- **VSP** frequency converter programmed for a constant pressure
- Pressure transducer
- Cables to connect the INVERTER to the pump

VSP-HT MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS (PN10)	
Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
VSPm-HT 3/5	–	1.1	1.5	IE3	5 – **90**	78 – 38	**DN25**	**DN25**
VSPm-HT 3/6	–	1.5	2		5 – **90**	94 – 45	**1"**	**1"**
VSPm-HT 5/3	–	1.1	1.5		5 – **130**	49 – 24	**DN32**	**DN32**
VSPm-HT 5/4	–	1.5	2		5 – **130**	65 – 31	**1¼"**	**1¼"**
VSPm-HT 8/3	–	1.1	1.5		20 – **200**	43 – 13	**DN40**	**DN40**
VSPm-HT 8/4	–	1.5	2		20 – **200**	57 – 17	**1½"**	**1½"**

Three-phase								
VSP-HT 3/5	–	1.1	1.5	IE3	5 – **90**	78 – 38	**DN25**	**DN25**
VSP-HT 3/6	–	1.5	2		5 – **90**	94 – 45	**1"**	**1"**
VSP-HT 3/7	–	1.8	2.5		5 – **90**	110 – 53		
VSP-HT 5/3	–	1.1	1.5		5 – **130**	49 – 24	**DN32**	**DN32**
VSP-HT 5/4	–	1.5	2		5 – **130**	65 – 31	**1¼"**	**1¼"**
VSP-HT 5/5	–	1.8	2.5		5 – **130**	81 – 39		
VSP-HT 5/6	–	2.2	3		5 – **130**	97 – 46		
VSP-HT 8/3	–	1.1	1.5		20 – **200**	43 – 13	**DN40**	**DN40**
VSP-HT 8/4	–	1.5	2		20 – **200**	57 – 17	**1½"**	**1½"**
VSP-HT 8/5	–	1.8	2.5		20 – **200**	71 – 22		
VSP-HT 8/6	–	2.2	3		20 – **200**	85 – 26		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed multi-stage centrifugal pumps fitted with an inverter
- Pump body: **cast iron**
- Impellers and diffusers: **AISI 304 stainless steel**
- Single-phase power supply: 230 V - 50 Hz
- Three-phase power supply: 400 V - 50 Hz
- Three-phase motor: 230/400 V - 50 Hz

VSP-HT PRO STAINLESS STEEL MULTI-STAGE CENTRIFUGAL PUMPS

Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
VSPm-HT 3/5 PRO	–	1.1	1.5	IE3	5 – **90**	78 – 38	**DN25**	**DN25**
VSPm-HT 3/6 PRO	–	1.5	2		5 – **90**	94 – 45		
VSPm-HT 5/3 PRO	–	1.1	1.5		5 – **130**	49 – 24	**DN32**	**DN32**
VSPm-HT 5/4 PRO	–	1.5	2		5 – **130**	65 – 31		
VSPm-HT 8/3 PRO	–	1.1	1.5		20 – **200**	43 – 13	**DN40**	**DN40**
VSPm-HT 8/4 PRO	–	1.5	2		20 – **200**	57 – 17		

Three-phase								
VSP-HT 3/5 PRO	–	1.1	1.5	IE3	5 – **90**	78 – 38	**DN25**	**DN25**
VSP-HT 3/6 PRO	–	1.5	2		5 – **90**	94 – 45		
VSP-HT 3/7 PRO	–	1.8	2.5		5 – **90**	110 – 53		
VSP-HT 5/3 PRO	–	1.1	1.5		5 – **130**	49 – 24	**DN32**	**DN32**
VSP-HT 5/4 PRO	–	1.5	2		5 – **130**	65 – 31		
VSP-HT 5/5 PRO	–	1.8	2.5		5 – **130**	81 – 39		
VSP-HT 5/6 PRO	–	2.2	3		5 – **130**	97 – 46		
VSP-HT 8/3 PRO	–	1.1	1.5		20 – **200**	43 – 13	**DN40**	**DN40**
VSP-HT 8/4 PRO	–	1.5	2		20 – **200**	57 – 17		
VSP-HT 8/5 PRO	–	1.8	2.5		20 – **200**	71 – 22		
VSP-HT 8/6 PRO	–	2.2	3		20 – **200**	85 – 26		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed multi-stage centrifugal pumps fitted with an inverter
- Pump body, impellers and diffusers: **AISI 304 stainless steel**
- Single-phase power supply: 230 V - 50 Hz
- Three-phase power supply: 400 V - 50 Hz
- Three-phase motor: 230/400 V - 50 Hz

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

The group consists of:
- Pump
- **VSP** frequency converter programmed for a constant pressure
- Pressure transducer
- Cables to connect the INVERTER to the pump

VSP-MK MULTI-STAGE CENTRIFUGAL PUMPS

MODEL		POWER P2			PERFORMANCE Q	PERFORMANCE H	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
VSPm-MK 3/3	–	0.75	1	IE3	10 – **80**	51.5 – 29	1¼"	1"
VSPm-MK 3/5	–	1.1	1.5		10 – **80**	85 – 48		
VSPm-MK 3/6	–	1.5	2		10 – **80**	103 – 58		
VSPm-MK 5/4	–	0.75	1		20 – **120**	54 – 17		
VSPm-MK 5/5	–	1.1	1.5		20 – **120**	67.5 – 21.5		
VSPm-MK 5/7	–	1.5	2		20 – **120**	95 – 30		
VSPm-MK 8/4	–	1.1	1.5		40 – **180**	53.5 – 12		
VSPm-MK 8/5	–	1.5	2		40 – **180**	67 – 15.5		
Three-phase								
VSP-MK 3/3	–	0.75	1	IE3	10 – **80**	51.5 – 29	1¼"	1"
VSP-MK 3/5	–	1.1	1.5		10 – **80**	85 – 48		
VSP-MK 3/6	–	1.5	2		10 – **80**	103 – 58		
VSP-MK 5/4	–	0.75	1		20 – **120**	54 – 17		
VSP-MK 5/5	–	1.1	1.5		20 – **120**	67.5 – 21.5		
VSP-MK 5/7	–	1.5	2		20 – **120**	95 – 30		
VSP-MK 5/8	–	2.2	3		20 – **120**	108 – 34		
VSP-MK 8/4	–	1.1	1.5		40 – **180**	53.5 – 12		
VSP-MK 8/5	–	1.5	2		40 – **180**	67 – 15.5		
VSP-MK 8/6	–	2.2	3		40 – **180**	80 – 18.5		

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed multi-stage centrifugal pumps fitted with an inverter
- Pump body: cast iron and AISI 304 stainless steel
- Impellers: Noryl
- Single-phase power supply: 230 V - 50 Hz
- Three-phase power supply: 400 V - 50 Hz
- Three-phase motor: 230/400 V - 50 Hz

The group consists of:
- Pump
- **VSP** frequency converter programmed for a constant pressure
- Pressure transducer
- Cables to connect the INVERTER to the pump

INVERTER PRESSURE BOOSTER SETS

VSP2-MK INVERTER PRESSURE BOOSTER SETS

MODEL		POWER INSTALLED (P2)			MAXIMUM FLOW RATE *	MAX HEAD	PORTS	
Single-phase	Code	**kW**	**HP**	▲	l/min	m	DN1	DN2
VSP2m-MK 3/3	–	2x0.75	2x1	IE3	160	51.5	2"	1½"
VSP2m-MK 3/5	–	2x1.1	2x1.5		160	85		
VSP2m-MK 3/6	–	2x1.5	2x2		160	103		
VSP2m-MK 5/4	–	2x0.75	2x1		240	54		
VSP2m-MK 5/5	–	2x1.1	2x1.5		240	67.5		
VSP2m-MK 5/7	–	2x1.5	2x2		240	95		
VSP2m-MK 8/4	–	2x1.1	2x1.5		360	53.5	2½"	
VSP2m-MK 8/5	–	2x1.5	2x2		360	67		
Three-phase								
VSP2-MK 3/3	–	2x0.75	2x1	IE3	160	51.5	2"	1½"
VSP2-MK 3/5	–	2x1.1	2x1.5		160	85		
VSP2-MK 3/6	–	2x1.5	2x2		160	103		
VSP2-MK 5/4	–	2x0.75	2x1		240	54		
VSP2-MK 5/5	–	2x1.1	2x1.5		240	67.5		
VSP2-MK 5/7	–	2x1.5	2x2		240	95		
VSP2-MK 5/8	–	2x2.2	2x3		240	108		
VSP2-MK 8/4	–	2x1.1	2x1.5		360	53.5	2½"	
VSP2-MK 8/5	–	2x1.5	2x2		360	67		
VSP2-MK 8/6	–	2x2.2	2x3		360	80		

* Maximum flow rate of the pressure booster set with both pumps running

▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed multi-stage centrifugal pumps fitted with an inverter
- Pump body: cast iron and AISI 304 stainless steel
- Impellers: Noryl
- Single-phase power supply: 230 V - 50 Hz
- Three-phase power supply: 400 V - 50 Hz
- Three-phase motor: 230/400 V - 50 Hz

VSP2-FCR INVERTER PRESSURE BOOSTER SETS

MODEL		POWER INSTALLED (P2)			MAXIMUM FLOW RATE *	MAX HEAD	PORTS	
Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
VSP2m-FCR 90/3	–	2x1.5	2x2	**IE3**	180	73	**2"**	**1½"**
VSP2m-FCR 130/3	–	2x1.5	2x2		260	76		
VSP2m-FCR 200/3	–	2x1.5	2x2		400	68	**2½"**	**1½"**
Three-phase								
VSP2-FCR 90/3	–	2x1.5	2x2	**IE3**	180	73	**2"**	**1½"**
VSP2-FCR 90/4	–	2x2.2	2x3		180	105		
VSP2-FCR 130/3	–	2x1.5	2x2		260	76		
VSP2-FCR 130/4	–	2x2.2	2x3		260	110		
VSP2-FCR 200/3	–	2x1.5	2x2		400	68	**2½"**	**1½"**
VSP2-FCR 200/4	–	2x2.2	2x3		400	98		

* Maximum flow rate of the pressure booster set with both pumps running
▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed multi-stage centrifugal pumps fitted with an inverter
- Impellers and diffusers: **AISI 304 stainless steel**
- Single-phase power supply: 230 V - 50 Hz
- Three-phase power supply: 400 V - 50 Hz
- Three-phase motor: 230/400 V - 50 Hz

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

VSP2-PLURIJET INVERTER PRESSURE BOOSTER SETS

MODEL		POWER INSTALLED (P2)			MAXIMUM FLOW RATE *	MAX HEAD	PORTS	
Single-phase	Code	kW	HP	▲	l/min	m	DN1	DN2
VSP2m-PLURIJET 3/90	–	2x1.5	2x2	**IE3**	180	73	**2"**	**1½"**
VSP2m-PLURIJET 3/130	–	2x1.5	2x2		260	76		
VSP2m-PLURIJET 3/200	–	2x1.5	2x2		400	68	**2½"**	**1½"**
Three-phase								
VSP2-PLURIJET 3/90	–	2x1.5	2x2	**IE3**	180	73	**2"**	**1½"**
VSP2-PLURIJET 4/90	–	2x2.2	2x3		180	105		
VSP2-PLURIJET 3/130	–	2x1.5	2x2		260	76		
VSP2-PLURIJET 4/130	–	2x2.2	2x3		260	110		
VSP2-PLURIJET 3/200	–	2x1.5	2x2		400	68	**2½"**	**1½"**
VSP2-PLURIJET 4/200	–	2x2.2	2x3		400	98		

* Maximum flow rate of the pressure booster set with both pumps running
▲ Three phase motor efficiency class (IEC 60034-30-1)

- Variable speed multi-stage centrifugal pumps fitted with an inverter
- Impellers and diffusers: **AISI 304 stainless steel**
- Single-phase power supply: 230 V - 50 Hz
- Three-phase power supply: 400 V - 50 Hz
- Three-phase motor: 230/400 V - 50 Hz

OPTIONS AVAILABLE ON REQUEST
- WRAS certified electric waterpump

With alternating starts and autoexclusion of an off service pump

The group consists of:
- Two electric pumps with suction and discharge manifolds
- Two VSP variable frequency drives programmed for constant pressure
- Two Pressure transducer
- Cables to connect the INVERTER to the pump

GP2W VARIABLE SPEED PRESSURE BOOSTER SETS

MULTI-STAGE CENTRIFUGAL PUMPS

GP2W three-phase

MODEL		Pump	Inverter STEADYPRES	P2 GROUP		PERFORMANCE		
Single-phase	Code	Model	Model	kW	HP	H max m	Q min l/min	Q max l/min
GP2W 65/160M	K7GP2W130A1DGF	5CR 80	MT 7	2x0.75	2x1	67	5	160
GP2W 60/260M *	K7GP2W135A1DGF	5CR 100		2x1.1	2x1.5	63	5	260

With alternating starts and autoexclusion of an off service pump

- **Single-phase inverter - Three-phase pumps 230 V**
- Power supply: **230 V - 50 Hz** – Output frequency: **25-50 Hz**

Three-phase								
GP2W 65/160T	K7GP2W130ADGF	5CR 80	TT 6	2x0.75	2x1	67	5	160
GP2W 60/260T *	K7GP2W135ADGF	5CR 100		2x1.1	2x1.5	63	5	260

With alternating starts and autoexclusion of an off service pump

- **Three-phase inverter - Three-phase pumps 400 V**
- Power supply: **400 V - 50 Hz** – Output frequency: **25-50 Hz**

Suction manifold 1½" - Delivery manifold 1½"
(*) Suction manifold 2" - Delivery manifold 1½"

MULTI-STAGE CENTRIFUGAL PUMPS

GP2W three-phase

MODEL		Pump	Inverter STEADYPRES	P2 GROUP		PERFORMANCE		
Single-phase	Code	Model	Model	kW	HP	H max m	Q min l/min	Q max l/min
GP2W 80/180M	K7GP2W410A1DGF	FCR 90/5	MT 7	2x1.1	2x1.5	80	5	180
GP2W 95/180M	K7GP2W412A1DGF	FCR 90/6	MT 12	2x1.5	2x2	96	5	180
GP2W 110/180M	K7GP2W414A1DGF	FCR 90/7		2x1.8	2x2.5	111	5	180
GP2W 50/260M	K7GP2W416A1DGF	FCR 130/3	MT 7	2x1.1	2x1.5	49	5	260
GP2W 65/260M	K7GP2W418A1DGF	FCR 130/4	MT 12	2x1.5	2x2	65	5	260
GP2W 80/260M	K7GP2W420A1DGF	FCR 130/5		2x1.8	2x2.5	81	5	260
GP2W 95/260M	K7GP2W422A1DGF	FCR 130/6		2x2.2	2x3	97	5	260
GP2W 45/400M *	K7GP2W424A1DGF	FCR 200/3	MT 7	2x1.1	2x1.5	44	20	400
GP2W 60/400M *	K7GP2W426A1DGF	FCR 200/4	MT 12	2x1.5	2x2	58	20	400
GP2W 75/400M *	K7GP2W428A1DGF	FCR 200/5		2x1.8	2x2.5	73	20	400
GP2W 90/400M *	K7GP2W430A1DGF	FCR 200/6		2x2.2	2x3	87	20	400

With alternating starts and autoexclusion of an off service pump

- **Single-phase inverter - Three-phase pumps 230 V**
- Power supply: **230 V - 50 Hz** – Output frequency: **25-50 Hz**

Three-phase								
GP2W 80/180T	K7GP2W410ADGF	FCR 90/5	TT6	2x1.1	2x1.5	80	5	180
GP2W 95/180T	K7GP2W412ADGF	FCR 90/6		2x1.5	2x2	96	5	180
GP2W 110/180T	K7GP2W414ADGF	FCR 90/7		2x1.8	2x2.5	111	5	180
GP2W 50/260T	K7GP2W416ADGF	FCR 130/3		2x1.1	2x1.5	49	5	260
GP2W 65/260T	K7GP2W418ADGF	FCR 130/4		2x1.5	2x2	65	5	260
GP2W 80/260T	K7GP2W420ADGF	FCR 130/5		2x1.8	2x2.5	81	5	260
GP2W 95/260T	K7GP2W422ADGF	FCR 130/6		2x2.2	2x3	97	5	260
GP2W 45/400T *	K7GP2W424ADGF	FCR 200/3		2x1.1	2x1.5	44	20	400
GP2W 60/400T *	K7GP2W426ADGF	FCR 200/4		2x1.5	2x2	58	20	400
GP2W 75/400T *	K7GP2W428ADGF	FCR 200/5		2x1.8	2x2.5	73	20	400
GP2W 90/400T *	K7GP2W430ADGF	FCR 200/6		2x2.2	2x3	87	20	400

With alternating starts and autoexclusion of an off service pump

- **Three-phase inverter - Three-phase pumps 400 V**
- Power supply: **400 V - 50 Hz** – Output frequency: **25-50 Hz**

Suction manifold 2" - Delivery manifold 1½"
(*) Suction manifold 2½" - Delivery manifold 2"

GP2W three-phase

GP2W VARIABLE SPEED PRESSURE BOOSTER SETS

CENTRIFUGAL TWIN-IMPELLER PUMPS

MODEL		Pump	Inverter STEADYPRES	P2 GROUP		PERFORMANCE		
Single-phase	Code	Model	Model	kW	HP	H max m	Q min l/min	Q max l/min
GP2W 50/200M	K7GP2W145A1DGF	2CP 25/14B	MT 7	2x1.1	2x1.5	54	20	200
GP2W 65/200M	K7GP2W147A1DGF	2CP 25/14A	MT 12	2x1.5	2x2	67	20	200
GP2W 55/280M	K7GP2W150A1DGF	2CP 25/16B		2x1.5	2x2	58	20	280
GP2W 65/320M *	K7GP2W155A1DGF	2CP 25/16A		2x2.2	2x3	68	20	320
Three-phase								
GP2W 50/200T	K7GP2W145ADGF	2CP 25/14B	TT 6	2x1.1	2x1.5	54	20	200
GP2W 65/200 T	K7GP2W147ADGF	2CP 25/14A		2x1.5	2x2	67	20	200
GP2W 55/280T	K7GP2W150ADGF	2CP 25/16B		2x1.5	2x2	58	20	280
GP2W 65/320T *	K7GP2W155ADGF	2CP 25/16A		2x2.2	2x3	68	20	320

With alternating starts and autoexclusion of an off service pump

- **Single-phase inverter - Three-phase pumps 230 V**
- Power supply: **230 V - 50 Hz** – Output frequency: **25-50 Hz**

- **Three-phase inverter - Three-phase pumps 400 V**
- Power supply: **400 V - 50 Hz** – Output frequency: **25-50 Hz**

Suction manifold 2" - Delivery manifold 1½"
(*) Suction manifold 2½" - Delivery manifold 2"

GP2W three-phase

VERTICAL CENTRIFUGAL PUMPS

MODEL		Pump	Inverter STEADYPRES	P2 GROUP		PERFORMANCE		
Single-phase	Code	Model	Model	kW	HP	H max m	Q min l/min	Q max l/min
GP2W 50/160M	K7GP2W005A1DGF	MK 3/3	MT 7	2x0.75	2x1	52.5	10	160
GP2W 90/160M	K7GP2W015A1DGF	MK 3/5		2x1.1	2x1.5	87	10	160
GP2W 100/160M	K7GP2W020A1DGF	MK 3/6	MT 12	2x1.5	2x2	105	10	160
GP2W 55/240M	K7GP2W025A1DGF	MK 5/4		2x0.75	2x1	57	20	240
GP2W 70/240M	K7GP2W030A1DGF	MK 5/5	MT 7	2x1.1	2x1.5	71	20	240
GP2W 100/240M	K7GP2W040A1DGF	MK 5/7	MT 12	2x1.5	2x2	99	20	240
GP2W 110/240M	K7GP2W045A1DGF	MK 5/8		2x2.2	2x3	114	20	240
GP2W 55/360M *	K7GP2W050A1DGF	MK 8/4	MT 7	2x1.1	2x1.5	56	40	360
GP2W 70/360M *	K7GP2W055A1DGF	MK 8/5	MT 12	2x1.5	2x2	70	40	360
GP2W 85/360M *	K7GP2W060A1DGF	MK 8/6		2x2.2	2x3	84	40	360
Three-phase								
GP2W 50/160T	K7GP2W005ADGF	MK 3/3	TT 6	2x0.75	2x1	52.5	10	160
GP2W 90/160T	K7GP2W015ADGF	MK 3/5		2x1.1	2x1.5	87	10	160
GP2W 100/160T	K7GP2W020ADGF	MK 3/6		2x1.5	2x2	105	10	160
GP2W 55/240T	K7GP2W025ADGF	MK 5/4		2x0.75	2x17	57	20	240
GP2W 70/240T	K7GP2W030ADGF	MK 5/5		2x1.1	2x1.5	71	20	240
GP2W 100/240T	K7GP2W040ADGF	MK 5/7		2x1.5	2x2	99	20	240
GP2W 110/240T	K7GP2W045ADGF	MK 5/8		2x2.2	2x3	114	20	240
GP2W 55/360T *	K7GP2W050ADGF	MK 8/4		2x1.1	2x1.5	56	40	360
GP2W 70/360T *	K7GP2W055ADGF	MK 8/5		2x1.5	2x2	70	40	360
GP2W 85/360T *	K7GP2W060ADGF	MK 8/6		2x2.2	2x3	84	40	360

With alternating starts and autoexclusion of an off service pump

- **Three-phase inverter - Three-phase pumps 400 V**
- Power supply: **400 V - 50 Hz** – Output frequency: **25-50 Hz**

Suction manifold 2" - Delivery manifold 1½"
(*) Suction manifold 2½" - Delivery manifold 2"

OPTIONS AVAILABLE ON REQUEST

- GP2W units not included
- GP3W units (consisting of three electric pumps)

AR

ST1

FN, FH

MECHANICAL SEALS FOR SURFACE PUMPS

MODEL	CODE	PUMP	MATERIALS				SHAFT
			Fixed ring	Rotating ring	Elastomer	Spring	
AR-12	115161012012	PK60-65-70-80, PQ60-61-65-70-80, PKS60-65-70-80, CP100-130-132, CP100-130-132 ST4, JSW1,FUTURE JET 1, JCR1, FUTURE JET 1-ST, HF50	Ceramic	Graphite	NBR	AISI304	**Ø 12 mm**
AR-12 ST6	11516101214	CP100-130-132 ST6				AISI316	**Ø 12 mm**
AR-12V	11516101203	CK, CKR			VITON	AISI304	**Ø 12 mm**
AR-13	11516101301	2-5CR, 2-5CP, FCR80-100, , PLURIJET/80-100-120, PLURIJET3-4/90			NBR		**Ø 13 mm**
AR-13E	11516101308	DG PED			EPDM		**Ø 13 mm**
AR-14	11516121401	CP150-158, CP150-158 ST4, 2CP25/130N, JSW2, FUTURE JET 2, JCR2, FUTURE JET 2-ST, NGA1, NGA2, HF4-5-51			NBR		**Ø 14 mm**
AR-14 ST6	11516121404	CP150-158 ST6				AISI316	**Ø 14 mm**
AR-14S	11516141402	NGA1-PRO, NGA2-PRO			VITON		**Ø 14 mm**
ST1-12	11516471200	PK90, PQ90, PQ81-PRO, PQ81-Bs PRO, PQ60-65-81 Bs, PQA, PV	Silicon carbide		NBR		**Ø 12 mm**
FN-14	11516301401	PK100-200-300, PQ100-200-300	Graphite	Ceramic			**Ø 14 mm**
AR-17	11516101701	MAGNIFICA 1-2	Ceramic	Graphite			**Ø 17 mm**
FN-18	11516301801	CP160-170-170M-190-200, CP170-170M-180-190-200 ST4, MK, HT3-5-8, HT3-5-8 PRO, FCR90-130-200, 2CP25/14, 2CP25/16, JSW3, SKR, PLURIJET/90-130-200, NGA3, HF5M-6-70	Graphite	Ceramic	NBR	AISI316	**Ø 18 mm**
FN-18 ST6	11516301810	CP170-170M-180-190-200 ST6					**Ø 18 mm**
FN-18 NU	11516301821	PQ3000, PQ3000-MF					**Ø 18 mm**
FN-18 V6	11516301811	NGA3-PRO			VITON		**Ø 18 mm**
FN-20	11516302001	CP220B-C, CP230C, 2CP32/200, HF8-20, F-F4 32/160, F 40/125, F-F4 40/160, F-F4 50/125	Graphite	Ceramic	NBR		**Ø 20 mm**
FN-20 NUD	11516302030	FG32/160, FG40/125, FG40/160, FG50/125					**Ø 20 mm**
AR-20R	11516102001	MAGNIFICA 3-4-5	Ceramic	Graphite			**Ø 20 mm**
FN-24	11516302401	CP210, CP220A-AH, CP230B-A, CP250B, 2CP32/210, 2CP40/180, HF30, F-F4 32/200, F-F4 40/200, F-F4 50/160, F-F4 65/125	Graphite	Ceramic			**Ø 24 mm**
FN-24 KU	11516402401	FCR15-30, HT15-30, HT15-30 PRO					**Ø 24 mm**
FN-24 NUD	11516302430	FG32/200, FG40/200, FG50/160, FG65/125					**Ø 24 mm**
FN-24 SV	11516302408	F-INOX	Silicon carbide	Silicon carbide	VITON		**Ø 24 mm**
FN-32 NU	11516303220	CP250A, 2CP40/200, F-F4 50/200, F-F4 65/160, F-F4 65/200, F-F4 80/160, F-F4 100/160	Graphite	Ceramic	NBR		**Ø 32 mm**
FN-32 NUD	11516303230	FG50/200, FG65/160, FG65/200, FG80/160, FG100/160					**Ø 32 mm**
FN-35 NUD	11516303530	FG32/250, FG40/250, FG50/250	Graphite	Silicon carbide	NBR		**Ø 35 mm**
FN-38	11516803801	F-F4 32/250, F-F4 40/250, F-F4 50/250	Graphite	Ceramic	NBR		**Ø 38 mm**
FN-40 NU	11516314010	F-F4 65/250, F-F4 80/200, F 80/250B, F-F4 100/200, FG80/200, FG 100/200					**Ø 40 mm**
FH-43 NU	11516314300	FG65/250, FG80/250, FG100/250					**Ø 43 mm**
FH-45 NU	11516314500	F 80/250A, F4 80/250, F-F4 100/250					**Ø 45 mm**

- **Special mechanical seals available on request**

AR, STA

ST1, MG1

MG1-D, ED560

ST4

MECHANICAL SEALS FOR SUBMERSIBLE PUMPS

MODEL	CODE	PUMP	MATERIALS				SHAFT
			Fixed ring	Rotating ring	Elastomer	Spring	
STA-12R	11516101250	TOP MULTI 1, TOP MULTI 1-EVO, TOP1-2-3, TOP FLOOR, TOP VORTEX, TEX, RX1-2-3, ZX1	Ceramic	Graphite	NBR	AISI304	**Ø 12 mm**
STA-12R SIC	11516101248	RX2-3/20	Ceramic	Silicon carbide		AISI304	**Ø 12 mm**
STA-12R SGE	11516101244	TOP MULTI 1-AD	Silicon carbide	Graphite	EPDM	AISI304	**Ø 12 mm**
STA-13R SIC	11516101314	TOP MULTI 2-3-4-5 TOP MULTI 2-3-4-5 EVO TOP MULTI-TECH 2-3-4-5 TOP MULTI-EVOTECH 2-3-4-5	Silicon carbide	Graphite	NBR	AISI304	**Ø 13 mm**
STA-13R	11516101313	TOP MULTI 2-3-4-5 TOP MULTI 2-3-4-5 EVO TOP MULTI-TECH 2-3-4-5 TOP MULTI-EVOTECH 2-3-4-5	Ceramic	Graphite		AISI304	**Ø 13 mm**
AR-12R LA	11516101245	TOP 2-3LA, TOP FLOOR/LA	Ceramic	Graphite		AISI316	**Ø 12 mm**
AR-14	11516121401	DAVIS	Ceramic	Graphite		AISI304	**Ø 14 mm**
ST1-14 SIC	11516151002	DAVIS, D30, DC30	Ceramic	Silicon carbide		AISI316	**Ø 14 mm**
MG1-14D SIC	11516152000	TOP4-5, RX4-5, RX 4-5/40, VX-ST, BC-ST, VX-MF, BC-MF, D8-10-20, ZX2, VX8-10-15-20/35-50, BC10-15-20/50, VXC/35-45, MC/45, DC8-10-20, TR0.75-0.9-1.1-1.3	Silicon carbide – Silicon carbide	Graphite – Silicon carbide		AISI316	**Ø 14 mm**
ST4-16	11516531600	4BLOCK	Ceramic	Graphite	NBR	AISI304	**Ø 16 mm**
ST1-16	11516521600	FLUID SOLAR, UP, NK	Silicon carbide	Graphite		AISI304	**Ø 16 mm**
STA-17	11516201705	FLUID SOLAR, UP, NK	Ceramic	Graphite		AISI316	**Ø 17 mm**
STA-19	11516601901	TR1.5-2.2	Silicon carbide	Silicon carbide		AISI304	**Ø 19 mm**
STA-20	11516602000	TR1.5-2.2	Ceramic	Graphite		AISI304	**Ø 20 mm**
STA-20 SIC	11516602001	VXC/50-65, MC/50-65, VXC-F/50-65, MC-F/50-65	Silicon carbide	Silicon carbide		AISI304	**Ø 20 mm**
STA-22	11516602200	VXC/50-65, MC/50-65, VXC-F/50-65, MC-F/50-65	Ceramic	Graphite		AISI304	**Ø 22 mm**
STA-22 SIC	11516602201	DC42, DC43, DC44, TR2.2AP, TR3AP	Silicon carbide	Silicon carbide		AISI304	**Ø 22 mm**
STA-24	11516602400	DC42, DC43, DC44, TR2.2AP, TR3AP	Ceramic	Graphite		AISI304	**Ø 24 mm**
ED560-25	11516172501	VX40-55/40, VX40-55/50	Ceramic – Silicon carbide	Graphite – Silicon carbide		AISI304	**Ø 25 mm**
AR-25	11516122501	VX/65, VX/80, BC40-55-75/35, BC40-55-75/50	Silicon carbide	Silicon carbide		AISI304	**Ø 25 mm**
AR-27	11516122701	VX/65, VX/80, BC40-55-75/35, BC40-55-75/50	Silicon carbide	Graphite		AISI304	**Ø 27 mm**
AR-35	5FAR5413327	VXC4/80, MC4/80	Ceramic	Graphite		AISI304	**Ø 35 mm**
ST4-16	5PMR0700815	4PD	Ceramic	Graphite		AISI316	**Ø 16 mm**
ST4-25	5PMR0600804	6PD	Ceramic	Graphite		AISI304	**Ø 25.4 mm**
MG91-40D	11516174001	VXC4 40-50-55/100, MC4 40-50-55/55	Ceramic – Silicon carbide	Graphite – Silicon carbide		AISI304	**Ø 40 mm**
MG1-40	5FAR5413448	VXC4/80, MC4/80	Silicon carbide	Silicon carbide		AISI316	**Ø 40 mm**

- **Special mechanical seals available on request**

QEM/3 Control boxes for 3" single-phase submersible pumps

MODEL	CODE	MOTOR POWER (P2)		CAPACITOR	RATED CURRENT
Single-phase		kW	HP	CAPACITY	A
QEM/3-050	530ECS305A1	0.37	0.50	12.5 µF	5
QEM/3-075	530ECS307A1	0.55	0.75	16 µF	6
QEM/3-100	530ECS310A1	0.75	1	20 µF	7
QEM/3-150	530ECS315A1	1.1	1.5	30 µF	10

- **Single-phase 230 V 50 Hz**

QEM Control boxes for 4" single-phase submersible pumps

MODEL	CODE	MOTOR POWER (P2)		CAPACITOR	RATED CURRENT
Single-phase		kW	HP	CAPACITY	A
QEM 050	530ECN05A1	0.37	0.50	20 µF	5
QEM 075	530ECN07A1	0.55	0.75	25 µF	6
QEM 100	530ECN10A1	0.75	1	35 µF	7
QEM 150	530EC15A1	1.1	1.5	40 µF	11
QEM 200	530ECN20A1	1.5	2	60 µF	13
QEM 300	530EC30A1	2.2	3	75 µF	18

- **Single-phase 230 V 50 Hz**

QET Control boxes for 3", 4"and 6" three-phase submersible pumps

MODEL	CODE	MOTOR POWER (P2)		RATED CURRENT
Three-phase		kW	HP	A
QET 050	530TNF05A	0.37	0.50	1.7
QET 075	530TNF07A	0.55	0.75	2
QET 100	530TNF10A	0.75	1	2.5
QET 150	530TNF15A	1.1	1.5	3.9
QET 200	530TNF20A	1.5	2	4.8
QET 300	530TNF30A	2.2	3	7
QET 400	530TNF40A	3	4	9
QET 550	530TNF55A	4	5.5	11.5
QET 750	530TNF75A	5.5	7.5	15.5
QET 1000	530AD100A	7.5	10	21.5
QET 1250	530AD125A	9.2	12.5	23.5
QET 1500	530AD150A	11	15	27.5
QET 2000	530AD200A	15	20	36
QET 2500	530AD250A	18.5	25	45
QET 3000	530AD300A	22	30	54
QET 4000	530AD400A	30	40	68
QET 5000	530AD500A	37	50	85

- The control box has a selector for manual or automatic operation plus socket for float switch (or pressure switch, etc.).
- **Three-phase 400 V 50 Hz**

Level probes

QSM Control boxes for 4" single-phase pumps with level probes

MODEL Single-phase	CODE	MOTOR POWER (P2) kW	 HP	CAPACITOR CAPACITY	RATED CURRENT A
QSM 050	530MFLCN05A1	0.37	0.50	20 µF	5
QSM 075	530MFLCN07A1	0.55	0.75	25 µF	6
QSM 100	530MFLCN10A1	0.75	1	35 µF	7
QSM 150	530MFLC15A1	1.1	1.5	40 µF	11
QSM 200	530MFLCN20A1	1.5	2	60 µF	13
QSM 300	530MFLC30A1	2.2	3	75 µF	18

- The control box is equipped with a selector for manual or automatic operation (with float switch, pressure switch, etc.) and may be connected to level probes that protect the pump against dry running.
- **Single-phase 230 V 50 Hz**

Level probes

QST Control boxes for 3", 4"and 6" three-phase pumps with level probes

MODEL Three-phase	CODE	MOTOR POWER (P2) kW	 HP	RATED CURRENT A
QST 100	530TFLC10A	0.75	1	2.5
QST 150	530TFLC15A	1.1	1.5	3.9
QST 200	530TFLC20A	1.5	2	4.8
QST 300	530TFLC30A	2.2	3	7
QST 400	530TFLC40A	3	4	9
QST 550	530TFLC55A	4	5.5	11.5
QST 750	530TFLC75A	5.5	7.5	15.5
QST 1000	530ADL100A	7.5	10	21.5
QST 1250	530ADL125A	9.2	12.5	23.5
QST 1500	530ADL150A	11	15	27.5
QST 2000	530ADL200A	15	20	36
QST 2500	530ADL250A	18.5	25	45
QST 3000	530ADL300A	22	30	54
QST 4000	530ADL400A	30	40	68
QST 5000	530ADL500A	37	50	85

- The control box is equipped with a selector for manual or automatic operation (with float switch, pressure switch, etc.) and may be connected to level probes that protect the pump against dry running.
- **Three-phase 400 V 50 Hz**

QES Control boxes for three-phase drainage pumps

MODEL Three-phase	CODE	MOTOR POWER (P2) kW	 HP	RATED CURRENT A
QES 150	532QES150A	1.1	1.5	4.2
QES 200	532QES200A	1.5	2	5.2
QES 300	532QES300A	2.2	3	6.5
QES 400	532QES400A	3	4	8

- The control box is equipped with a selector for manual or automatic operation (with float switch) and is designed to be connected to the thermal overload protector built into the motor windings of the VXC, VXC-F, MC, MC-F drainage pumps.
- **Three-phase 380 – 415V 50 Hz**

ALARM KIT Electronic control box for SAR 250 and SAR 550

MODEL	CODE	VOLTAGE
KIT ALLARME	KSKIT-ALLARME	**single-phase** 230V 50 Hz

- The panel contains an electronic board, a back-up battery to supply the board, a red warning light and an alarm siren of 90 dB at 1 m. distance.
- The panel is designed for the connection of a float (included in the kit) which sets off the alarm when the contact is closed.

EP ELECTRONIC DEVICE FOR THE PROTECTION OF THE ELECTRIC PUMP

MODEL	CODE	VOLTAGE	RATED CURRENT A
EP	530U00001	**single-phase** 110-230 V 50-60 Hz	10 A

- The EP electronic device automatically adapts to the electrical characteristics of the electric pump, thanks to its self-learning function.
- EP protects the electric pump by stopping it automatically if the following anomalies occur:
  – dry running;
  – over-current;
  – over-voltage;
  – under-voltage.

E1 Multifunction electronic control box for 1 pump

MODEL	CODE	VOLTAGE	RATED CURRENT A
E1 MONO	533QPED001M	**single-phase** 230V 50 Hz	from to 18 A
E1 TRI/1	533QPED001T	**three-phase** 400V 50 Hz	from to 18 A
E1 TRI/2	533QPED011T	**three-phase** 400V 50 Hz	from to 25 A

- The **E1** multi-function electronic control panel for the protection and control of one electric pump is designed to suit any application, whether for clean water or waste water systems. Thanks to the possibility of selecting six preset operation modes, they allow any pumping system to be managed simply and intuitively.

GENERAL CHARACTERISTICS
- Multifunction LCD display
- Optional Wi-Fi and Bluetooth module
- IP 55 protection

ANALOG AND DIGITAL INPUTS
- Pressure switches
- Floating switches
- Remote contacts
- Starting/Stopping floating switches
- Level probes
- Pressure transducers 4-20 mA
- 0-10 V signals

PROTECTIONS
- Programmable dry run protection through cos φ, current, float or level sensor control.
- Phase failure or reverse protection.
- Minimum and maximum current control.
- Minimum and maximum supply voltage control.
- Motor fault alarm management.
- Management of minimum and maximum level alarms.

E2 Multifunction electronic control box for 2 pumps

MODEL	CODE	VOLTAGE	RATED CURRENT A
E2 MONO	533QPED002M	**single-phase** 230V 50 Hz	from to 18 A
E2 TRI	533QPED002T	**three-phase** 400V 50 Hz	from to 16 A

- The E2 multi-function electronic control panel for the protection and control of two electric pumps is designed to suit any application, whether for clean water or waste water systems. Thanks to the possibility of selecting six preset operation modes, they allow any pumping system to be managed simply and intuitively.

GENERAL CHARACTERISTICS
- Programmable management of pump alternation
- Multifunction LCD display
- Optional Wi-Fi and Bluetooth module
- IP 55 protection

ANALOG AND DIGITAL INPUTS
- Pressure switches
- Floating switches
- Remote contacts
- Starting/Stopping floating switches
- Level probes
- Pressure transducers 4-20 mA
- 0-10 V signals

PROTECTIONS
- Auxiliary pump management in case of pump fault.
- Programmable dry run protection through cos φ, current, float or level sensor control.
- Phase failure or reverse protection.
- Minimum and maximum current control.
- Minimum and maximum supply voltage control.
- Motor fault alarm management.
- Management of minimum and maximum level alarms

OPTIONS AVAILABLE ON REQUEST
- Electronic control box for two three-phase drainage pumps with rated current from 16 to 25 A

SINGLE-PHASE 230 V - 50 Hz

MOTOR POWER (P2)		cable section in mm²						
kW	HP	4 x 1	4 x 1.5	4 x 2.5	4 x 4	4 x 6	4 x 10	4 x 16
		maximum cable length in metres						
0.37	0.50	60	90	140				
0.55	0.75	45	70	110	180			
0.75	1	35	50	85	140	210		
1.1	1.5	25	35	60	95	145	240	
1.5	2		30	45	75	115	190	305
2.2	3			30	50	75	125	200

THREE-PHASE 230 V - 50 Hz

MOTOR POWER (P2)		cable section in mm²									
kW	HP	4x1	4 x 1.5	4 x 2.5	4 x 4	4 x 6	4 x 10	4 x 16	4 x 25	4 x 35	4 x 50	4 x 70
		maximum cable length in metres										
0.37	0.50	100	152	255								
0.55	0.75	83	126	210	338							
0.75	1	65	99	165	265	405						
1.1	1.5	48	72	120	192	292	485					
1.5	2		53	88	142	215	360					
2.2	3			60	97	147	245	392				
3	4			47	73	110	183	295	510			
4	5.5				55	83	138	220	380			
5.5	7.5					60	100	160	275	385		
7.5	10					45	73	114	195	275	395	
9.2	12.5						64	100	157	220	315	
11	15						54	87	135	190	270	378
13	17.5							75	117	164	236	330
15	20							65	102	144	205	287
18.5	25								82	114	162	225
22	30								69	95	137	190
30	40									70	102	142
37	50									52	68	95

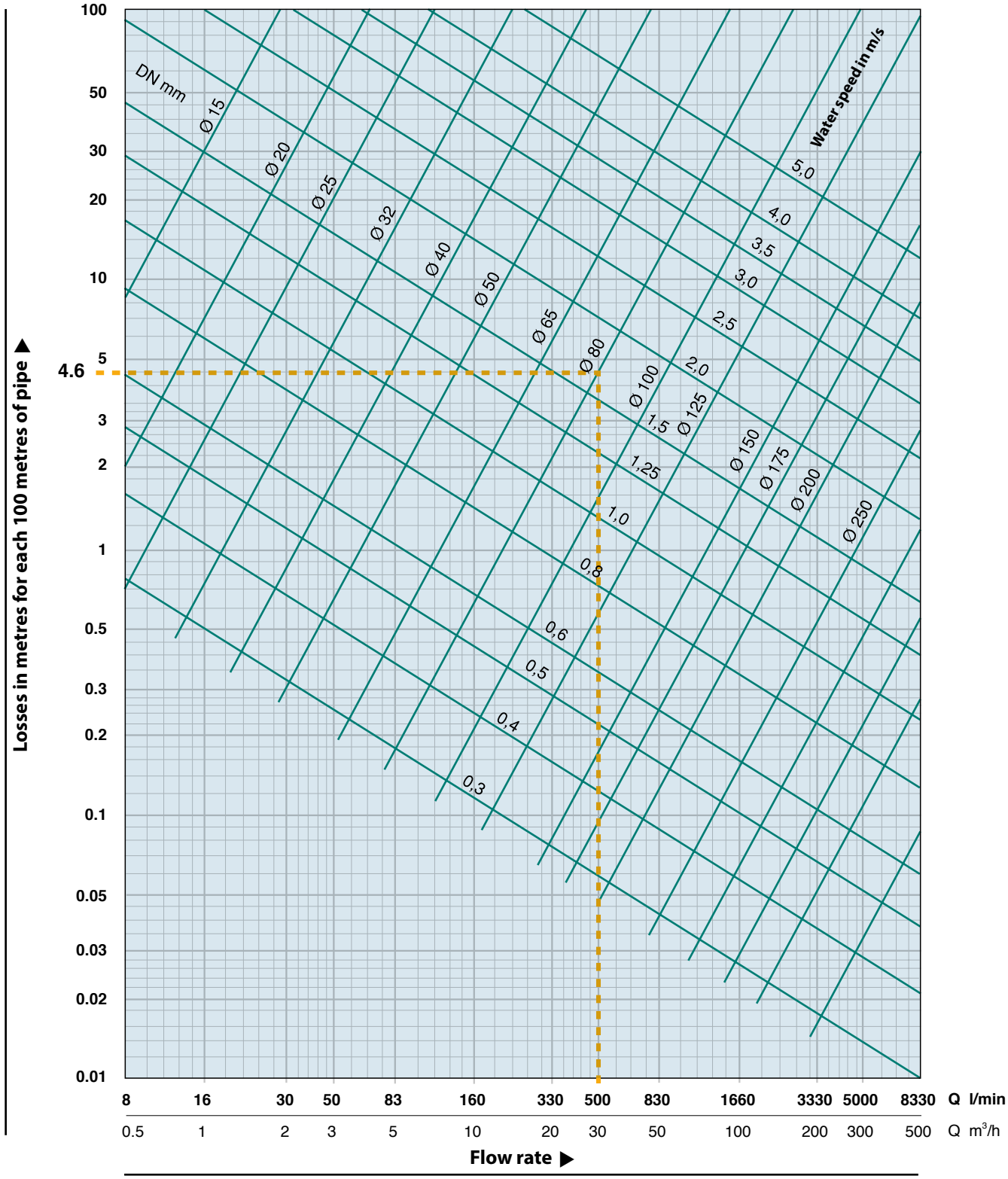
THREE-PHASE 400 V - 50 Hz

MOTOR POWER (P2)		cable section in mm²									
kW	HP	4x1	4 x 1.5	4 x 2.5	4 x 4	4 x 6	4 x 10	4 x 16	4 x 25	4 x 35	4 x 50	4 x 70
		maximum cable length in metres										
0.37	0.50	300										
0.55	0.75	250	380									
0.75	1	195	295									
1.1	1.5	145	215	360								
1.5	2	105	160	265	425							
2.2	3	70	110	180	290	440						
3	4	55	85	140	220	330						
4	5.5	40	60	105	165	250	415					
5.5	7.5		45	75	120	180	300	480				
7.5	10		35	55	95	135	220	340	585			
9.2	12.5			47	75	115	190	300	470			
11	15			40	65	95	160	260	405			
13	17.5				60	85	140	225	350	490		
15	20				50	75	125	195	305	430		
18.5	25					58	100	155	245	340	485	
22	30					49	85	130	205	285	410	570
30	40					36	63	96	152	210	305	425
37	50						47	74	115	156	205	284

Voltage drop 3% - Maximum environment temperature + 30 °C

LOAD LOSS CHART

(for straight pipes with 15-250 mm internal diameter and flow rates from 8 to 8330 l/min)



The data in the table refers to cold water and other liquids with the same kinematic viscosity and new cast iron pipes. The load losses (**hv**) indicated in the table must be multiplied by: **0.8** for new steel pipes, **1.25** for old, slightly rusty iron pipes, and **1.7** for old pipes where the build-up of incrustation must be taken into account.

➠ **EXAMPLE**: Flow rate data **Q = 500 l/min**, new steel pipe Ø 80 mm, pipe length 50 m.
Find the flow rate on the horizontal axis and move vertically until you meet the DN 80 mm line.
The corresponding load losses can thus be found on the vertical axis.
hv = 4.6 m for every 100 m of pipe.
hv1 = 4.6 x 0.8 = 3.68 m/100 (steel pipe).
Considering the real length of the pipe:
hv2 = 3.68 x 50:100 = 1.84 m (for 50 m of pipe).
The flow speed is determined by considering the position of the intersection point which is between the oblique lines with values of 1.5-2 m/sec. In the case being considered the result is approximately: **C = 1.7 metres/sec**

HEAD OFFICE (International)

Pedrollo S.p.A.
Via Enrico Fermi, 7 - 37047 San Bonifacio (Verona) Italy
Tel. +39 045 6136311
Fax +39 045 7614663
sales@pedrollo.com
www.pedrollo.com

FRANCE

PEDROLLO FRANCE
14 rue Albert Calmette
69740 Genas France
Tel. +33 04 72 478 030
Fax +33 04 72 478 039
info@pedrollo.fr
www.pedrollo.fr

GERMANY

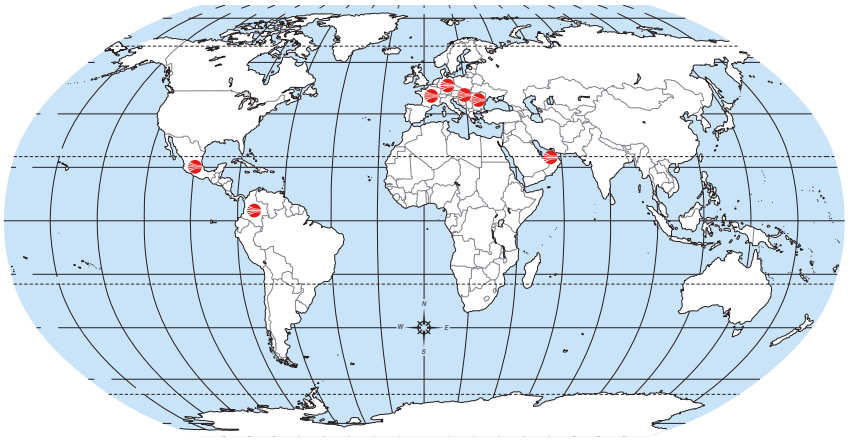
PEDROLLO DEUTSCHLAND GmbH
Eduard-Rhein-Straße 46,
53639 Königswinter, Deutschland
Tel. +49 2244 84192 90
info@pedrollo.de
www.pedrollo.de

HUNGARY

PEDROLLO HUNGÁRIA KFT
H-5000 Szolnok
Újszászi út 11.
Hungary
Tel. +36 56 515 276
Fax +36 56 515 275
info@pedrollo.hu
www.pedrollo.hu

ROMANIA

PEDROLLO ROMANIA
Str. Gheorghe Doja nr 97/A
Loc. Zalau, jud. Salaj, Romania
Tel. +40 0260 610 330
+40 0260 617 010
Fax +40 0260 661 589
info@pedrollo.ro
www.pedrollo.ro



COLOMBIA

PEDROLLO COLOMBIA LTDA
Autopista Medellín Vía al Parque La Florida Km 1.1
Parque Industrial Terrapuerto Bodegas 48-49
Bogotá Colombia
Tel. +571 8764 666
Fax +571 8764 652
info@pedrollo.com.co
www.pedrollo.com.co

MEXICO

PEDROLLO MEXICO S.A. de C.V.
CALLE NORTE 79-B, N° 121
Entre calle Salónica y Calle Aquiles Elorduy
02060 AZCAPOTZALCO, CIUDAD DE MEXICO, D.F.,
MEXICO
Tel. +52 55 53 864 661
Fax +52 55 53 864 660
www.pedrollo.com.mx
ventas@pedrollo.com.mx

DUBAI (UAE)

PEDROLLO GULF *FZE*
Dubai Airport Free Zone
Dubai, U.A.E.
P.O. Box: 293533
Tel. +971 4 701 7803, 7804, 7805
Fax +971 4 701 7806
sales@pedrollodxb.ae
www.pedrollo.ae

PEDROLLO SpA

Via Enrico Fermi 7 - 37047 San Bonifacio (VR)
***tel. 045 6136311** (centralino) - **045 6136317 - 045 6136318 -** fax 045 7612253*
vendite@pedrollo.com - www.pedrollo.com