Datablad

VXC 30/65-F vortex/friströms avloppspump

Artikelnr	Beteckning
111239	VXC 30/65-F:2,2/3x400/DN80

Installation	
Vikt	47,0 kg
Styrning	Manuell
Ansl. ut	DN80 PN10

Övrigt	
Max Tryck	12 mVp
Max Flöde	20,0 l/sek

Elektrisk Data	
Effekt	2,20 kW
Märkström	5,0 A
Spänning	3x400



Pedrollo VXC-F Virvelhjul Avloppspump

PEDROLLO VXC-F är en serie högeffektiva, dränkbara avloppspumpar med konstruktion i gjutjärn och fläns för montering på kopplingsfot.

Virvelhjul säkerställer problemfri hantering av svart-, BDT-, grå- och dränvatten med fritt genomlopp på upp till 50 mm som tillåter passage av stora partiklar.

VXC-F-serien lämpar sig väl till pumpning från dräneringsbrunn, parkeringshus och andra avloppsapplikationer som kräver större flöde.

Dubbla axeltätning i kiselkarbid säkerställer en lång livslängd.

- Stort genomlopp – Stora partiklar.
- Genomgående konstruktion i gjutjärn.
- Tillverkad i Italien.

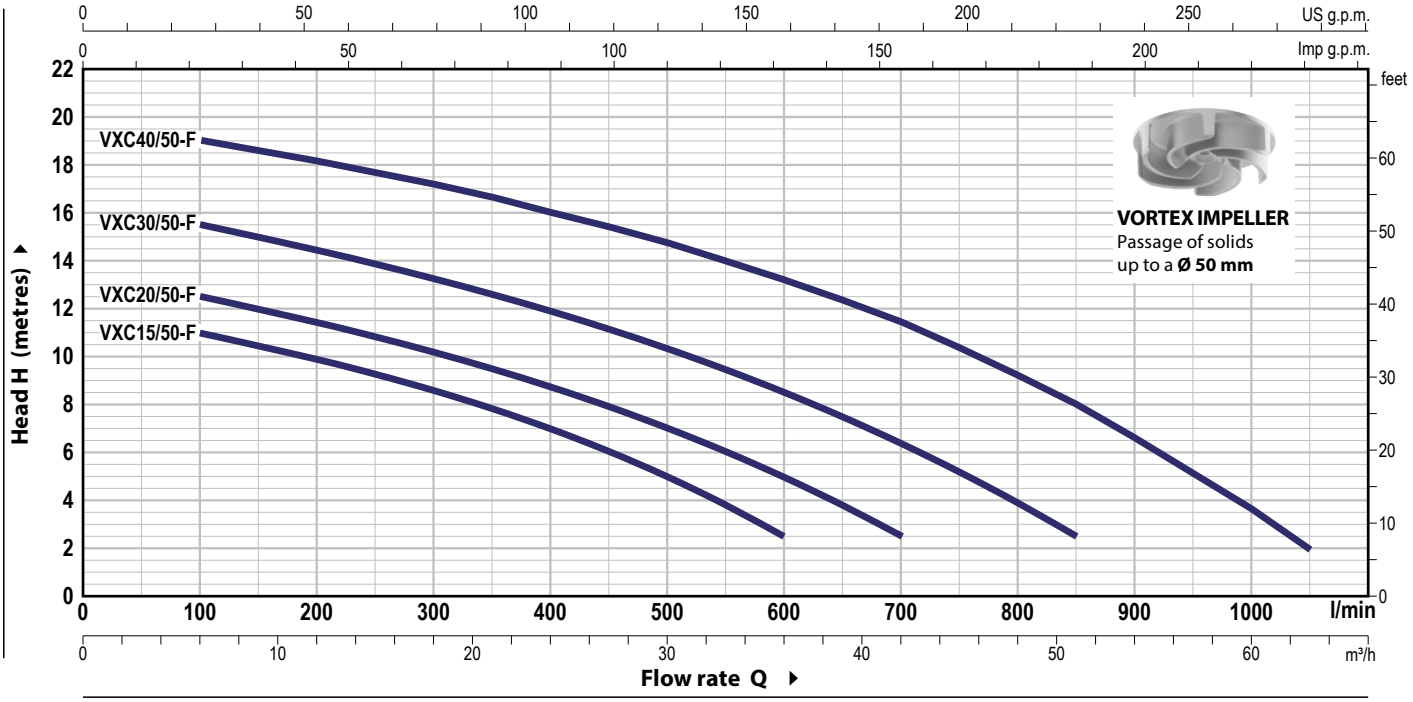
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Med reservation för tryckfel

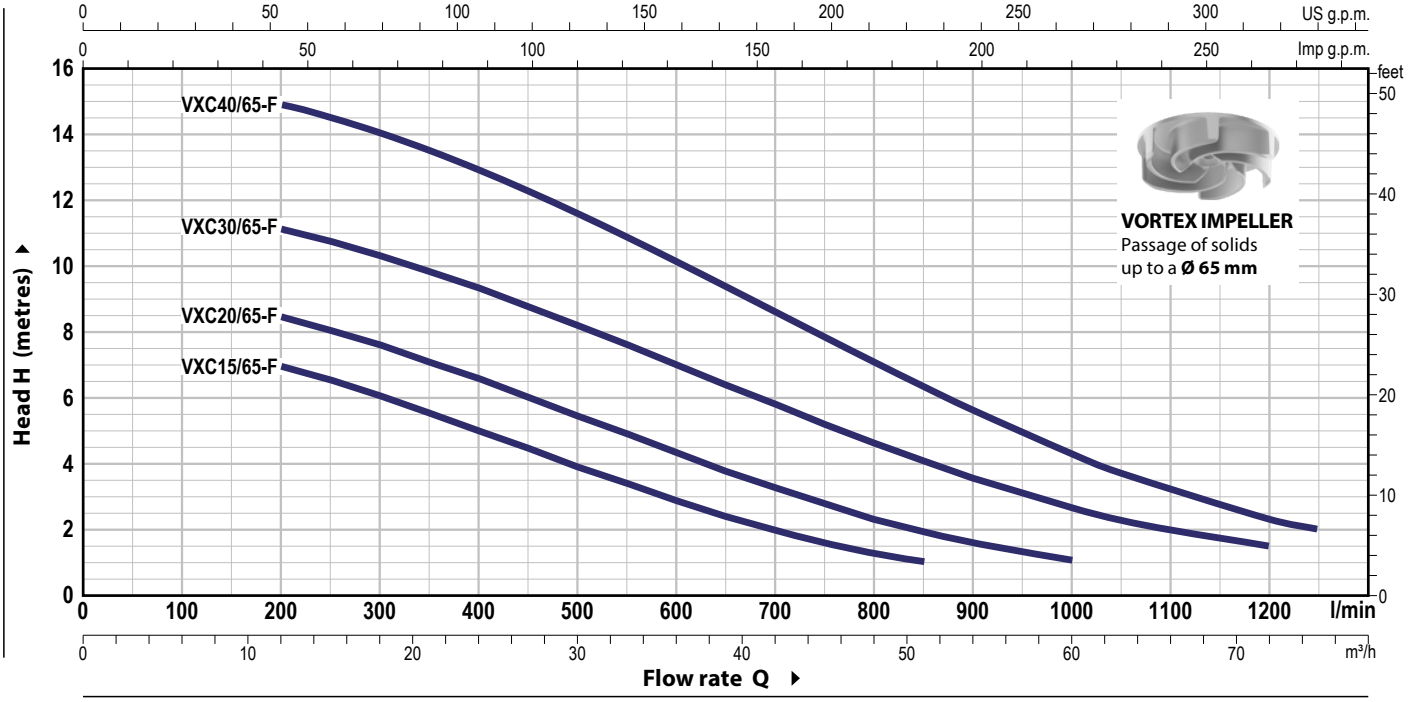
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CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min^{-1}





MODEL		POWER (P2)		Q m³/h	0	6	12	18	24	30	36	42	51	60	63	72	75
Single-phase	**Three-phase**	**kW**	**HP**	l/min	**0**	**100**	**200**	**300**	**400**	**500**	**600**	**700**	**850**	**1000**	**1050**	**1200**	**1250**
VXCm 15/50-F	**VXC 15/50-F**	1.1	1.5	H metri	12.0	11.0	9.9	8.6	7.0	5.0	2.5						
VXCm 20/50-F	**VXC 20/50-F**	1.5	2		13.5	12.5	11.4	10.2	8.7	7.0	5.0	2.5					
VXCm 30/50-F	**VXC 30/50-F**	2.2	3		16.5	15.5	14.4	13.2	11.9	10.3	8.5	6.4	2.5				
–	**VXC 40/50-F**	3	4		20.0	19.0	18.1	17.1	16.0	14.7	13.2	11.4	8.0	3.6	2.0		
VXCm 15/65-F	**VXC 15/65-F**	1.1	1.5		8.0	–	7.0	6.0	5.0	3.9	2.8	2.0	1.0				
VXCm 20/65-F	**VXC 20/65-F**	1.5	2		9.5	–	8.5	7.6	6.6	5.4	4.3	3.3	2.0	1.0			
VXCm 30/65-F	**VXC 30/65-F**	2.2	3		12.0	–	11.1	10.3	9.3	8.2	7.0	5.8	4.1	2.6	2.3	1.5	
–	**VXC 40/65-F**	3	4		15.5	–	15.0	14.0	13.0	11.6	10.1	8.6	6.3	4.3	3.7	2.3	2.0

Q = Flow rate, **H** = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

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POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	**PUMP BODY**	Cast iron with an Epoxy Electro Coating treatment, with flanged and threaded ports in compliance with ISO 228/1
2	**IMPELLER**	VORTEX type in cast iron with an Epoxy Electro Coating treatment
3	**MOTOR CASING**	Cast iron with an Epoxy Electro Coating treatment
4	**MOTOR CASING PLATE**	Cast iron with an Epoxy Electro Coating treatment
5	**MOTOR SHAFT**	Stainless steel AISI 431

6 TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER

Seal	*Shaft*	*Position*	*Materials*		
Model	*Diameter*		*Stationary ring*	*Rotational ring*	*Elastomer*
STA-22	**Ø 22** mm	Motor side	Ceramic	Graphite	NBR
STA-20	**Ø 20** mm	Pump side	Silicon carbide	Silicon carbide	NBR

7 BEARINGS — **6305 CM D 6 / 6204 ZZ - C3**

8 ELECTRIC MOTOR

VXCm 15-20-30-F: single-phase 230 V - 50 Hz
with thermal overload protector incorporated into the winding

VXC-F: three-phase 400 V - 50 Hz
with thermal overload protector incorporated into the winding to be connected to the control box (supplied on demand)

– Insulation: class F
– Protection: IP X8

9 POWER CABLE

10 metres long "H07 RN-F" cable

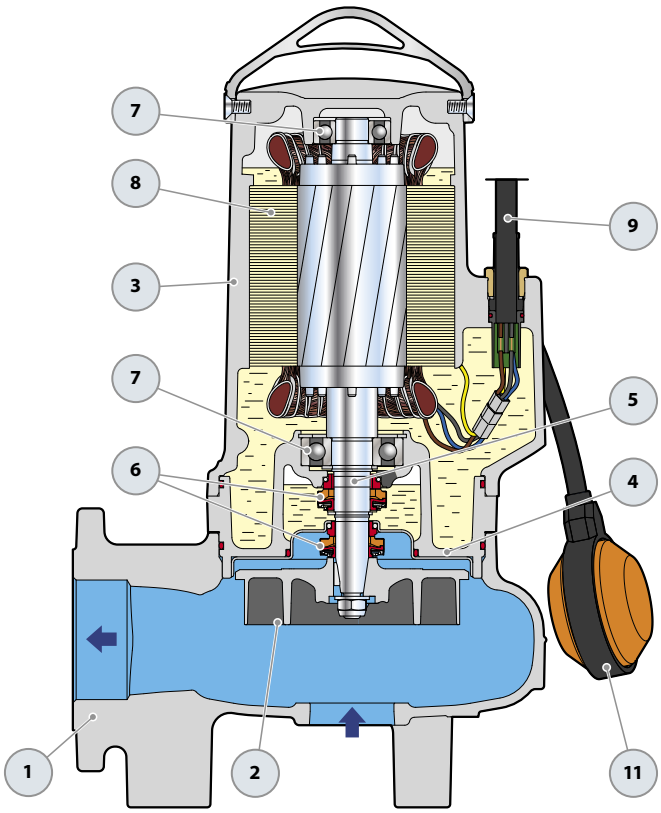
10 CONTROL BOX for VXCm 15-20-30-F
(only for single-phase versions)

Complete with capacitor and manual reset motor protector

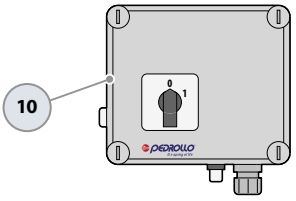
11 FLOAT SWITCH
(only for single-phase versions)

OPTIONAL – Supporting Base





Standard Equipment



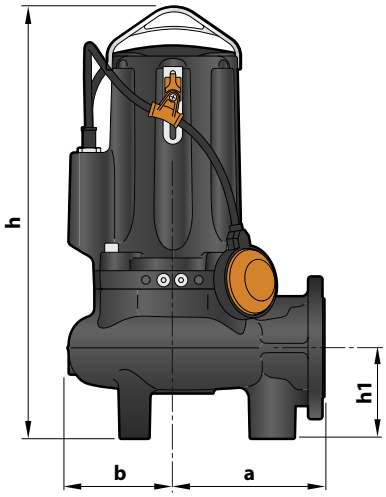
Control Box
(only for single-phase versions)

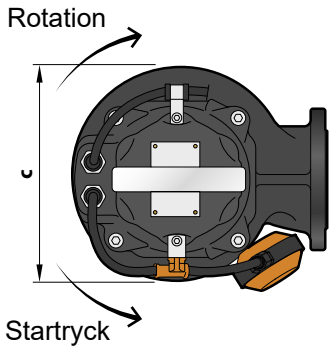
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DIMENSIONS AND WEIGHT





Rotation sett ovanifrån

MODEL		Passage of solids mm	DIMENSIONS mm					kg	
Single-phase	Three-phase		a	b	c	h	h1	1~	3~
VXCm 15/50-F	VXC 15/50-F	Ø 50	170	119	242	487	102	43.5	42.0
VXCm 20/50-F	VXC 20/50-F							44.5	43.5
VXCm 30/50-F	VXC 30/50-F					513 | 487		49.5	44.5
–	VXC 40/50-F					513		–	49.5
VXCm 15/65-F	VXC 15/65-F	Ø 65	210	120	246	521	123	46.0	44.5
VXCm 20/65-F	VXC 20/65-F							47.0	46.0
VXCm 30/65-F	VXC 30/65-F					547 | 521		52.0	47.0
–	VXC 40/65-F					547		–	52.0

ABSORPTION AND CAPACITORS

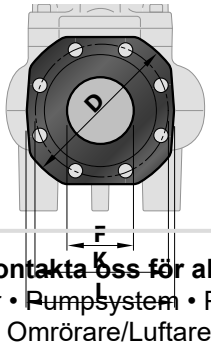
MODEL	VOLTAGE	
Single-phase	230 V	240 V
VXCm 15/50-F	8.5 A	8.1 A
VXCm 20/50-F	9.0 A	8.6 A
VXCm 30/50-F	12.0 A	11.5 A
VXCm 15/65-F	8.5 A	8.1 A
VXCm 20/65-F	9.0 A	8.6 A
VXCm 30/65-F	12.0 A	11.5 A

MODEL	VOLTAGE		
Three-phase	230–240 V	400–415 V	690–720 V
VXC 15/50-F	5.9 A	3.4 A	1.7 A
VXC 20/50-F	6.4 A	3.7 A	2.0 A
VXC 30/50-F	8.7 A	5.0 A	3.3 A
VXC 40/50-F	10.7 A	6.2 A	4.5 A
VXC 15/65-F	5.9 A	3.4 A	1.7 A
VXC 20/65-F	6.4 A	3.7 A	2.0 A
VXC 30/65-F	8.7 A	5.0 A	3.3 A
VXC 40/65-F	10.7 A	6.2 A	4.5 A

MODEL	CAPACITANCE CAPACITORS
Single-phase	(230 V o 240 V)
VXCm 15/50-F VXCm 15/65-F	50 µF 450 VL
VXCm 20/50-F VXCm 20/65-F	50 µF 450 VL
VXCm 30/50-F VXCm 30/65-F	60 µF 450 VL

PORT FLANGE

MODEL	FLANGE	F	K	D	L	HOLES	
			mm	mm	mm	N°	Ø (mm)
VXC /50-F	DN65 (PN10)	2½"	145	185	160	4	18
VXC /65-F	DN80 (PN10)	3"	160	200	180	8	18



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HORIZONTAL DELIVERY VERSION WITH ¾" GUIDE TUBES

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

Kit consisting of:
1. footing connection
2. slide guide with screws and seals
3. support for the guide tubes





VERTICAL DELIVERY VERSION WITH ¾" GUIDE TUBES

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

Kit consisting of:
1. footing connection completo di controflangia
2. slide guide with screws and seals
3. support for the guide tubes





VERTICAL DELIVERY VERSION WITH 2" GUIDE TUBES

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

Kit consisting of:
1. footing connection completo di controflangia
2. slide guide with screws and seals
3. support for the guide tubes

ACCESSORIES CAN BE ORDERED

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 (To be ordered separately)

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

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)

INTERMEDIATE SUPPORT

For guide tubes Ø ¾"



For guide tubes Ø **2"**



GUIDE TUBES (AISI 304 stainless steel)

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

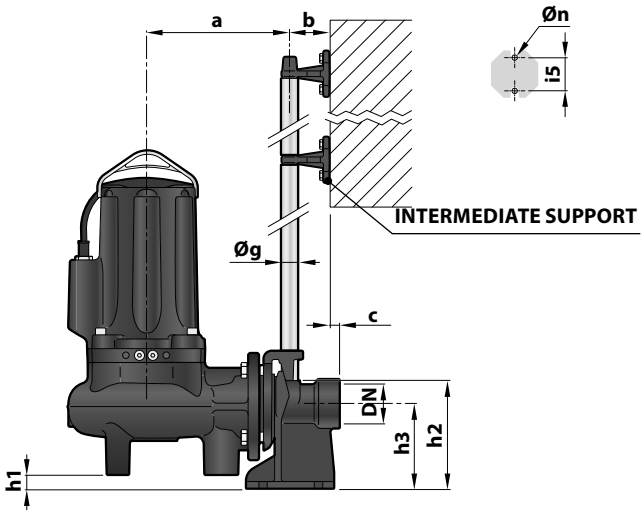
Maximum length of the tube plank: 6 metres

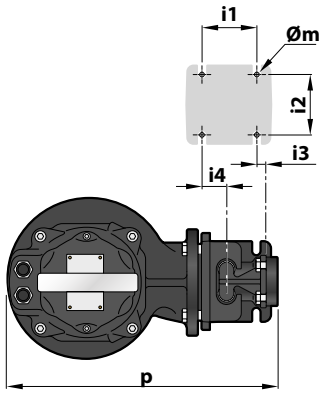
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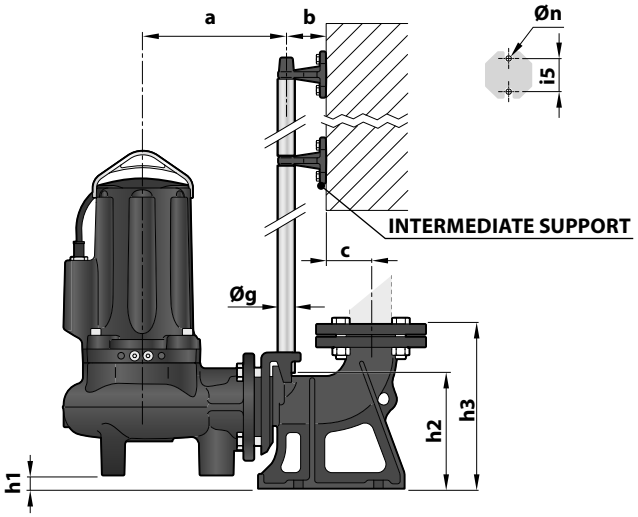
DIMENSIONS (Horizontal delivery version)

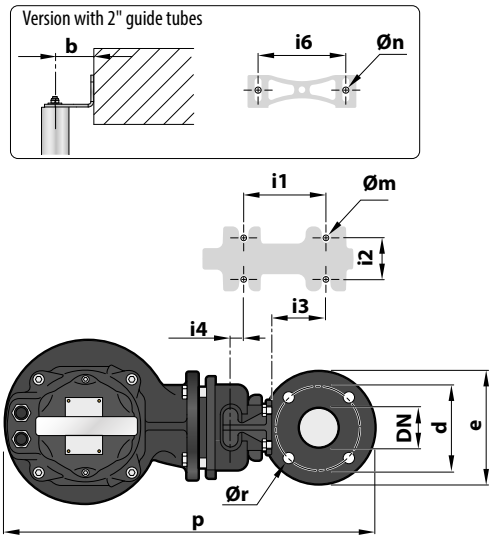




MODEL	Passage of solids	PORT	DIMENSIONS mm													
	mm	DN	a	b	c	p	h1	h2	h3	i1	i2	i3	i4	i5	Øg	Øm	Øn
VXC /50-F MC /50-F	Ø 50	2"	216	61	17	412	28	165	130	85	94	16	40	50	¾"	12	11

DIMENSIONS (Vertical delivery version)





Version with ¾" guide tubes

MODEL	Passage of solids	PORT	DIMENSIONS mm																	
	mm	DN	a	b	c	d	e	p	h1	h2	h3	i1	i2	i3	i4	i5	Øg	Øm	Øn	Ør
VXC /50-F MC /50-F	Ø 50	2½" (PN10)	213	61	52	125	165	526	25.5	164	215	120	72	62	3	50	¾"	14	11	18
VXC /65-F MC /65-F	Ø 65	3" (PN6)	253	61	69	150	190	598	46	216	279	130	112	84	15	50	¾"	14	11	18

Version with 2" guide tubes

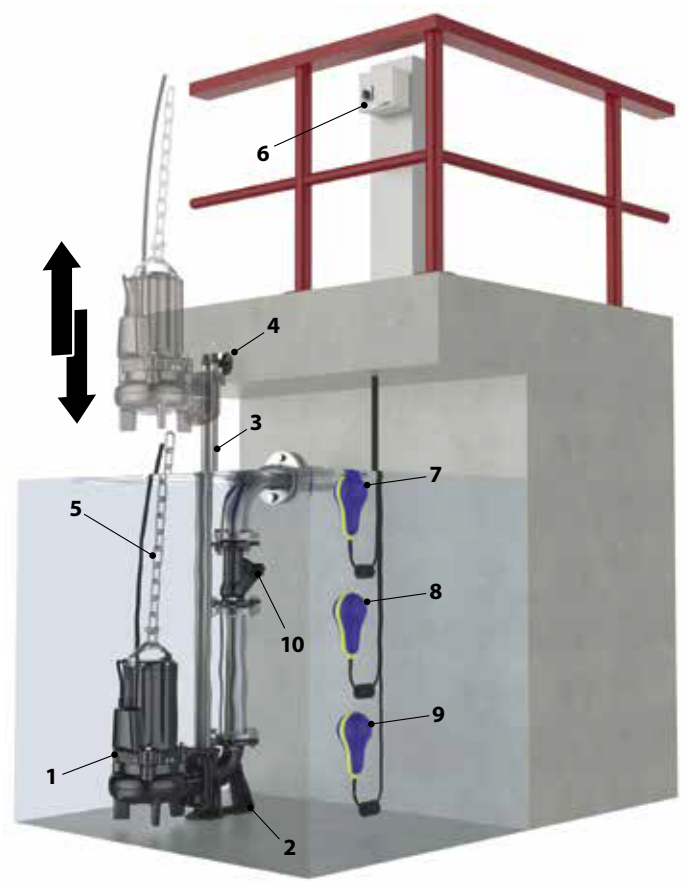
MODEL	Passage of solids	PORT	DIMENSIONS mm																		
	mm	DN	a	b	c	d	e	p	h1	h2	h3	i1	i2	i3	i4	i5	i6	Øg	Øm	Øn	Ør
VXC /50-F MC /50-F	Ø 50	3" (PN10)	320	85	95	160	200	718	105	265	392	250	150	35	-130	–	187	2"	22	13.5	18
VXC /65-F MC /65-F	Ø 65	3" (PN10)	359	85	95	160	200	760	84	256	392	250	150	35	-130	–	187	2"	22	13.5	18

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STANDARD INSTALLATION



1. Pump
2. Footing connection
3. Guide tubes
4. Support for the guide tubes
5. Lifting chain
6. Control box
7. Alarm float switch
8. Starting float switch
9. Stop float switch
10. Non-return valve





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