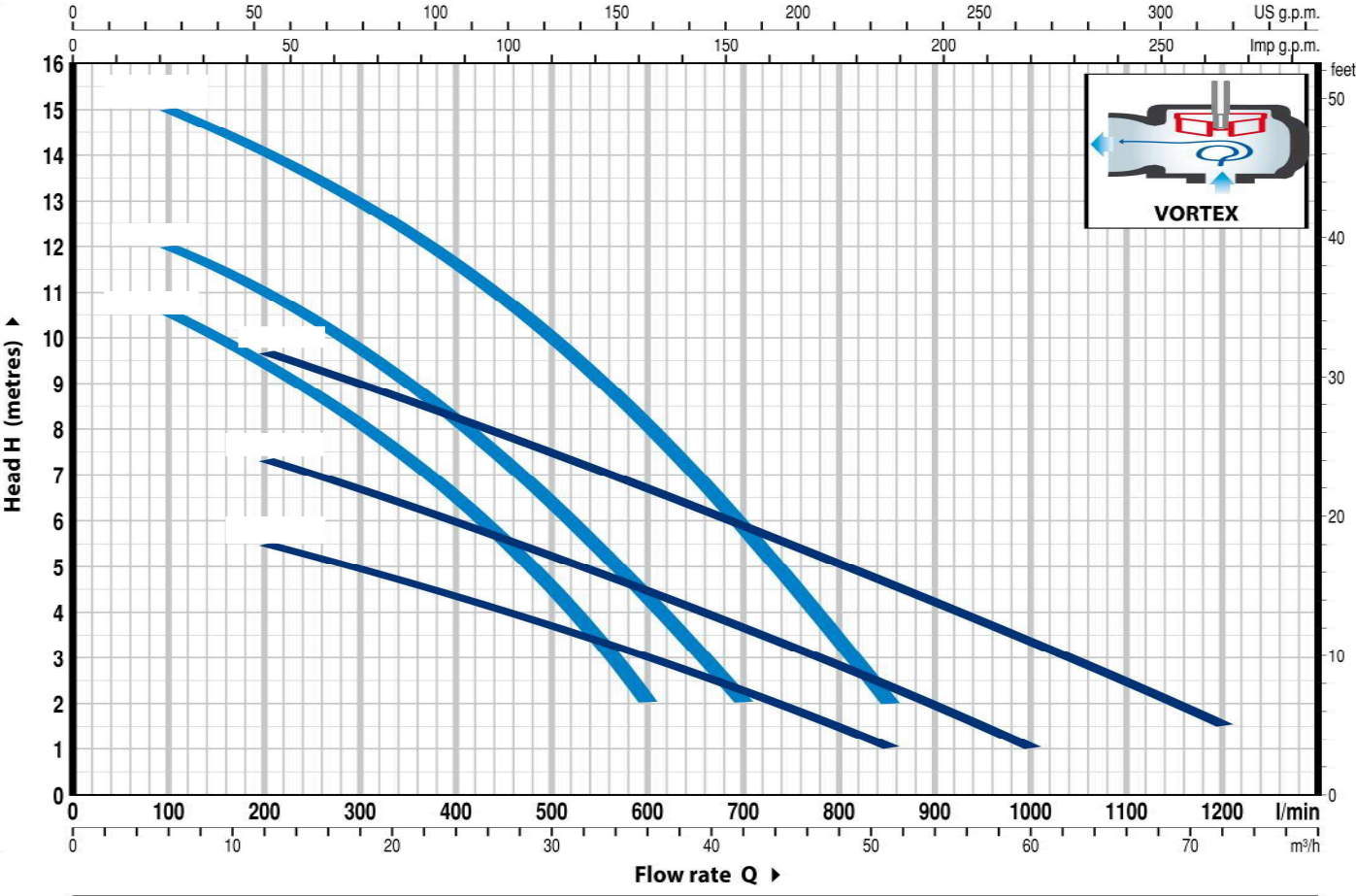




CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min<sup>-1</sup>



MODEL		POWER (P <sub>2</sub> )		Q																	
Single-phase	Three-phase	kW	HP		m <sup>3</sup> /h	0	6	12	18	21	24	27	30	36	42	48	51	54	60	66	72
					l/min	0	100	200	300	350	400	450	500	600	700	800	850	900	1000	1100	1200
				H metres																	
		2.2	3			11	-	9.7	9	8.6	8.2	7.8	7.5	6.7	5.8	5	4.6	4.2	3.3	2.5	1.5

Q = Flow rate H = Total manometric head Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

## POS. COMPONENT CONSTRUCTION CHARACTERISTICS

1	<b>PUMP BODY</b>	Cast iron complete with flanged ports
2	<b>SUCTION PLATE</b>	Cast iron
3	<b>IMPELLER</b>	VORTEX type in cast iron with an Epoxy Electro Coating treatment
4	<b>MOTOR CASING</b>	Cast iron
5	<b>MOTOR CASING PLATE</b>	Cast iron
6	<b>MOTOR SHAFT</b>	Stainless steel AISI 431

### 7 TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER

Seal Model	Shaft Diameter	Position	Materials		
			Stationary ring	Rotational ring	Elastomer
	Ø 20 mm	Motor side	Ceramic	Graphite	NBR
	Ø 19 mm	Pump side	Silicon carbide	Silicon carbide	NBR

### 8 BEARINGS

### 9 CAPACITOR

Pump Single-phase	Capacitance (220-230 V or 240 V)
	60 µF 450 VL

### 10 ELECTRIC MOTOR

single-phase 220-230 V - 50 Hz  
with thermal overload protector incorporated into the winding to be connected to the control box

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

### 11 POWER CABLE

10 metres long "H07 RN-F" cable

### 12 CONTROL BOX

(only for single-phase versions)

Complete with capacitor and manual reset motor protector

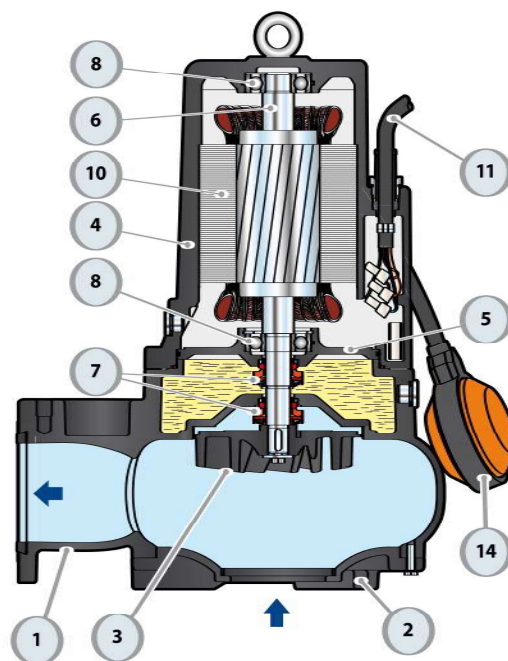
### 13 CONTROL BOX

(only for single-phase versions)

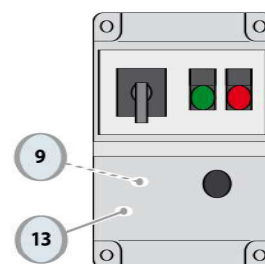
QES 300 MONO series

### 14 FLOAT SWITCH

(only for single-phase versions)



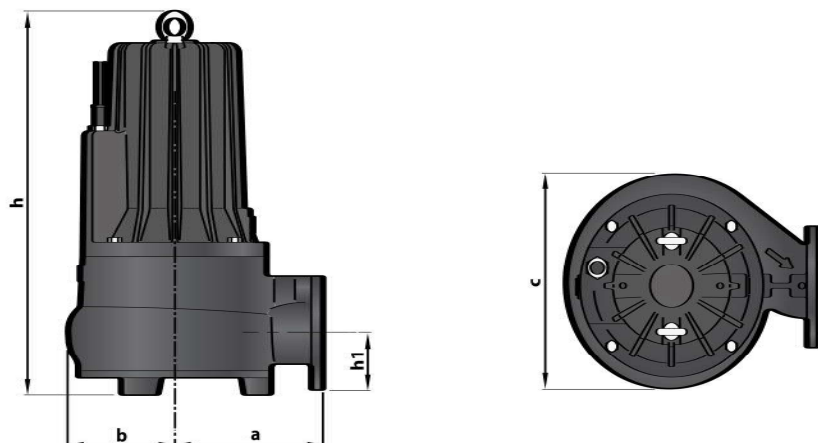
#### Standard features



Control box

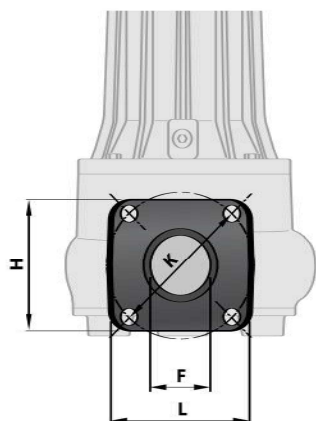
(only for single-phase versions)

## DIMENSIONS AND WEIGHT

[illegible]

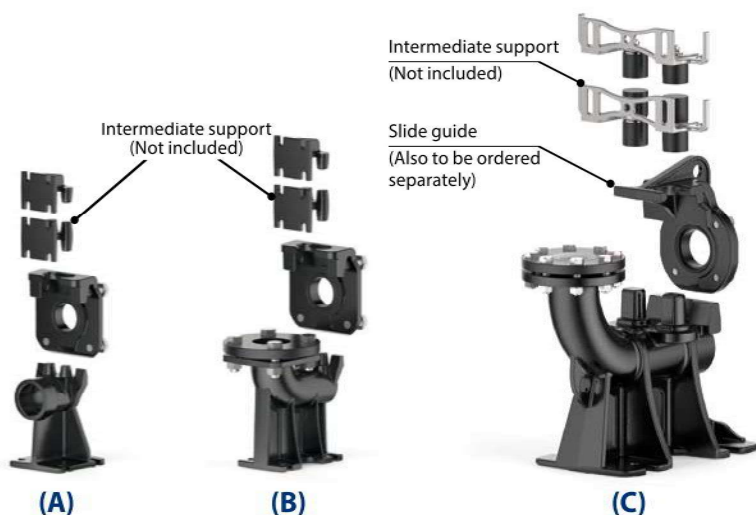
## PORT FLANGE

MODEL	F mm	K mm	L mm	H mm	HOLES	
					N°	Ø (mm)
VXC /70-F	76	145	140	140	4	17



## ABSORPTION

MODEL	VOLTAGE
	15.0 A
	14.9 A
	9.5 A
	5.5 A
	3.2 A



## 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

### B) VERTICAL DELIVERY VERSION WITH ¾" GUIDE TUBES

DN 3"

Kit consisting of:

- footing connection complete with counterflange
- slide guide with screws and seals
- support for the guide tubes

### C) VERTICAL DELIVERY VERSION WITH 2" GUIDE TUBES

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)

Complete with screws and seals

**INTERMEDIATE SUPPORT** (To be ordered separately)

- |                      |
|----------------------|
| For guide tubes Ø ¾" |
| For guide tubes Ø 2" |

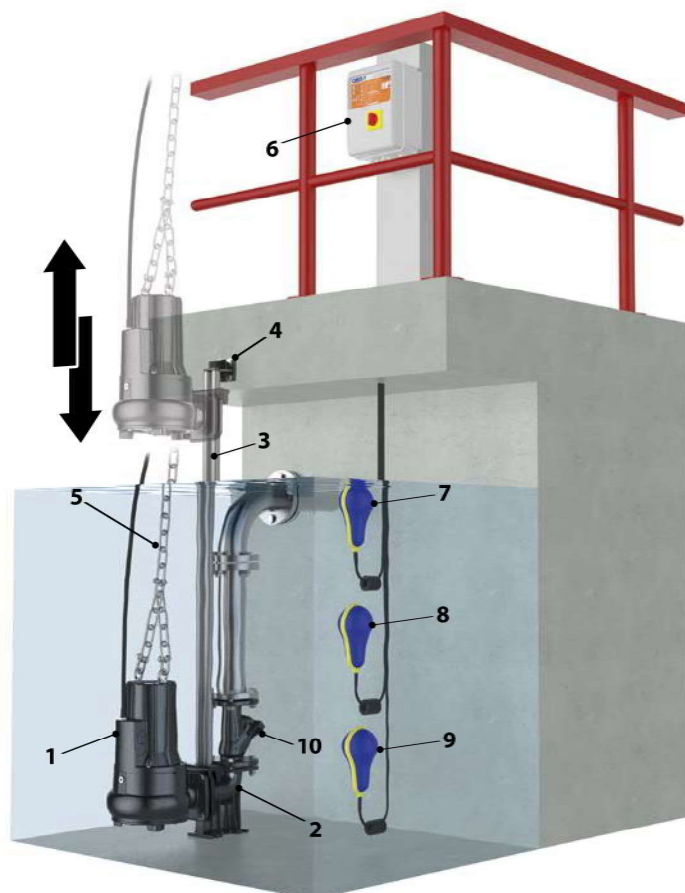
**GUIDE TUBES** (AISI 304 stainless steel)

- |      |
|------|
| Ø ¾" |
| Ø 2" |

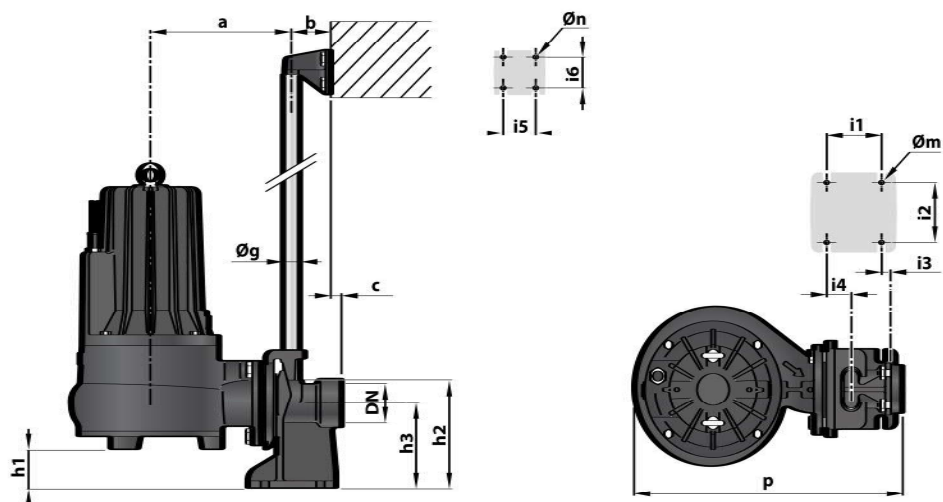
**In order to ensure stability, insert the intermediate support:**

- every 2 metres with ¾" guide tubes (compulsory)
- every 3 metres with 2" guide tubes (recommended)

Maximum length of the tube plank: 6 metres

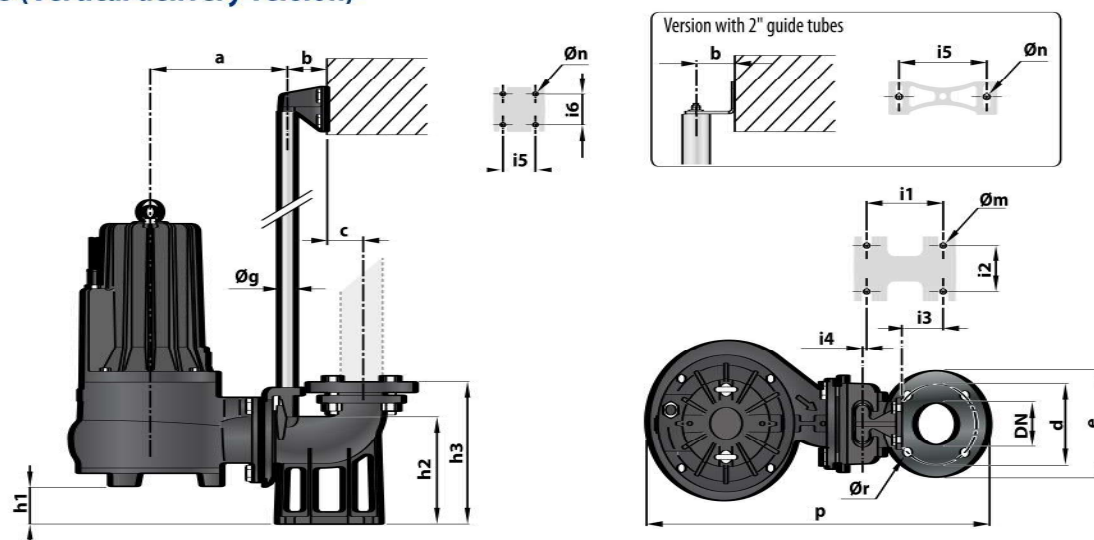


## DIMENSIONS (Horizontal delivery version)



MODEL	Passage of solids mm	PORT DN	DIMENSIONS mm															
			a	b	c	p	h1	h2	h3	i1	i2	i3	i4	i5	i6	Øg	Øm	Øn
	Ø 50	2"	215	61	17	414	60	165	130	85	94	16	40	50	48	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	i6	Øg	Øm	Øn
	Ø 70	3" (PN6)	247	61	69	150	190	603	94	216	279	130	112	84	15	50	48	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
	Ø 70	3" (PN10)	354	86	95	160	200	765	132	265	392	250	150	34	–	187	–	2"	22	13	18