



Dirty water



Domestic use



Civil use

※ Innovative pumps with high performance, quality and durability



### PERFORMANCE RANGE

- Flow rate up to **400 l/min** (24 m<sup>3</sup>/h)
- Head up to **13 m**

### INSTALLATION AND USE

**ZXm 2-GM** pumps are recommended for drainage of **sewage** in the **domestic and civil** sectors, for the evacuation of dirty water even in **very small spaces (sumps of only 220 mm side)**.

※ The **VORTEX** impeller allows the pumping of solids with a diameter of up to **40 mm** and, thanks to its special geometry, guarantees safe operation against clogging.

### INCLUDES

- ※ Adjustable vertical magnetic float switch
- ※ Hose connector **Ø 50 mm**
- ※ **5 m** power cable

### APPLICATION LIMITS

- Depth below water level up to **5 m** (with an appropriately sized power cable)
- Liquid temperature up to **+40 °C**
- Suspended solids transfer:
  - up to **Ø 30 mm** for ZXm 2/30-GM
  - up to **Ø 40 mm** for ZXm 2/40-GM
- **Minimum immersion for continuous service:**
  - **265 mm** for ZXm 2/30-GM
  - **275 mm** for ZXm 2/40-GM

### AVAILABLE UPON REQUEST

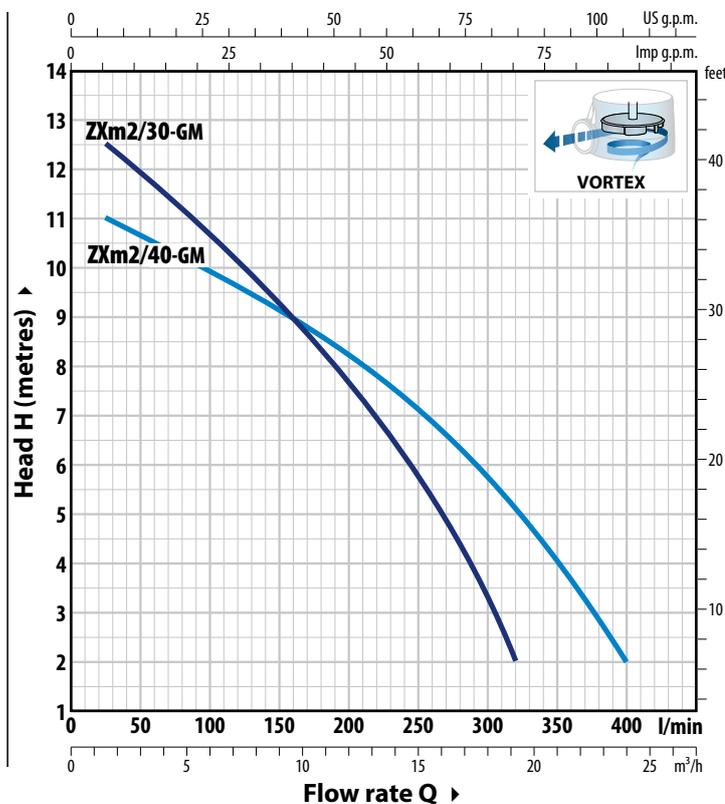
- ※ Pumps with **10 m** power cable
- ※ Different voltage requirements 60 Hz frequency

### ABSORPTION

TYPE	VOLTAGE
<b>Single-phase</b>	<b>230 V</b>
<b>ZXm 2/30-GM</b>	4.0 A
<b>ZXm 2/40-GM</b>	4.0 A

### CURVES AND PERFORMANCE DATA

50 Hz



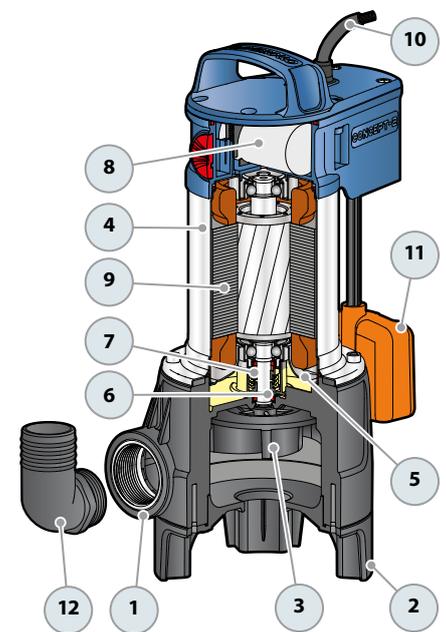
TYPE	POWER (P <sub>2</sub> )		Q	Flow rate												
	kW	HP		m <sup>3</sup> /h	0	1.5	3	6	9	12	15	18	19.2	21	24	
Single-phase			l/min	0	25	50	100	150	200	250	300	320	350	400		
<b>ZXm 2/30-GM</b>	0.55	0.75	H metres	13	12.5	11.8	10.6	9.3	7.6	5.8	3.3	2				
<b>ZXm 2/40-GM</b>	0.55	0.75		11.5	11	10.6	9.8	9.2	8.2	7.2	5.7	5.2	4	2		

Q = Flow rate H = Total manometric head

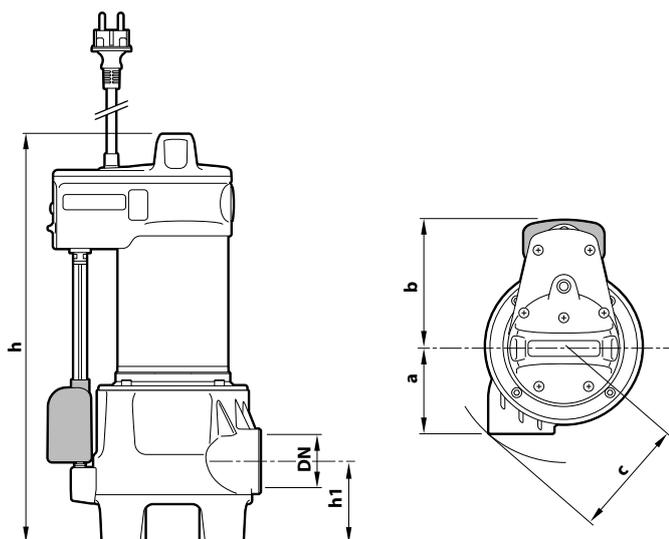
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## MATERIALS AND COMPONENTS

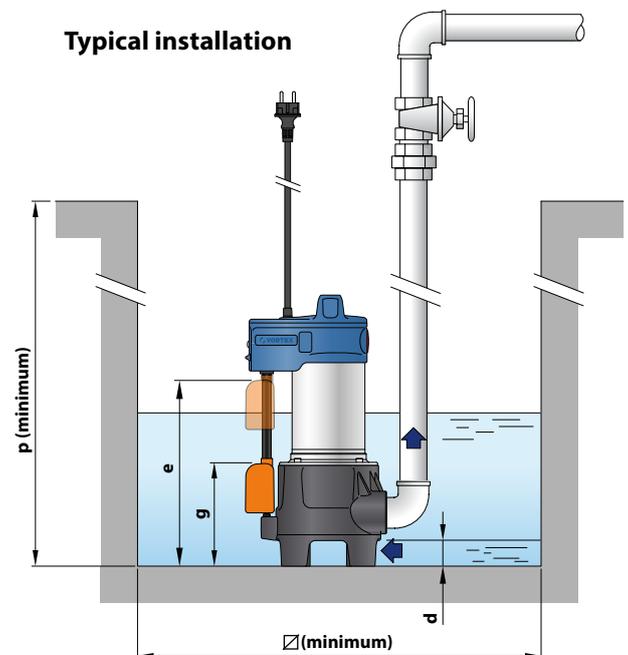
<b>1 Pump body</b>	Fibreglass-filled technopolymer with ISO 228/1 threaded delivery port (5-year warranty)		
<b>2 Base</b>	Glass-fibre reinforced technopolymer		
<b>3 Impeller</b>	VORTEX type made of glass-fibre reinforced technopolymer		
<b>4 Motor sleeve</b>	Stainless steel <b>AISI 304</b>		
<b>5 Motor cover</b>	Stainless steel <b>AISI 304</b>		
<b>6 Motor shaft</b>	Stainless steel <b>AISI 431</b>		
<b>7 Double mechanical seal with interposed oil chamber</b>			
Seal	Shaft	Location	Materials
<b>MG1-14D SIC</b>	$\varnothing$ 14 mm	Motor side	SiC / Graphite / NBR
		Pump side	SiC / SiC / NBR
<b>8 Capacitor</b>			
<b>9 Electric motor</b>	Single-phase 230 V - 50 Hz with winding integrated thermal motor protection - Insulation: class F - Protection rating: IP X8		
<b>10 Power cord</b>	Type 'H07 RN-F' with Schuko plug ※ Standard length 5 metres		
<b>11 Float level switch</b>	Float magnetic vertical solids adjustable		
<b>12 Hose connector</b>	$\varnothing$ 50 mm (included in delivery)		



## DIMENSIONS AND WEIGHT



Typical installation



TYPE	PORT DN	Passage of solid bodies	DIMENSIONS mm										kg	PALLET CAPACITY	
			a	b	c	h	h1	d	g (adjustable)	e	p	Ø			
<b>Single-phase</b>															
<b>ZXm 2/30-GM</b>	1½"	<b>Ø 30 mm</b>	90	127	118	394	73	50	130	260	450	300	10.6	54	
<b>ZXm 2/40-GM</b>		<b>Ø 40 mm</b>				404	83		140	270			10.6	54	