Sewage
Domestic use
Civil use
Industrial use

※ The Go-To Pump for Demanding Conditions and Performance Requirements

PERFORMANCE RANGE

- Flow rate up to **750 l/min** (45 m³/h)
- Head up to **15.5 m**

INSTALLATION AND USE

VX pumps are renowned for their reliability, especially in automated fixed installations.

Ideal for **domestic, civil, and industrial settings**, they efficiently handle suspended solids up to 50 mm in diameter, including in **groundwater**, **surface water, and sewage.**

They are also perfect for pumping out flooded areas like basements, underground parking garages, car wash stations, and emptying septic tanks and sewage systems.

※ The VORTEX impeller can handle solids up to **50 mm** in diameter. Its unique design ensures safe operation against clogging.

INCLUDES

※ Power cable length:
  – **5 m** for VX 8 and VX 10
  – **10 m** for VX 15 and VX 20
※ Float switch (exclusive to single-phase models)

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 40 mm** for VX /35
  - up to **Ø 50 mm** for VX /50
- **Minimum immersion for continuous service:**
  - 290 mm for VX 8 and VX 10
  - 330 mm for VX 15
  - 360 mm for VX 20

AVAILABLE UPON REQUEST

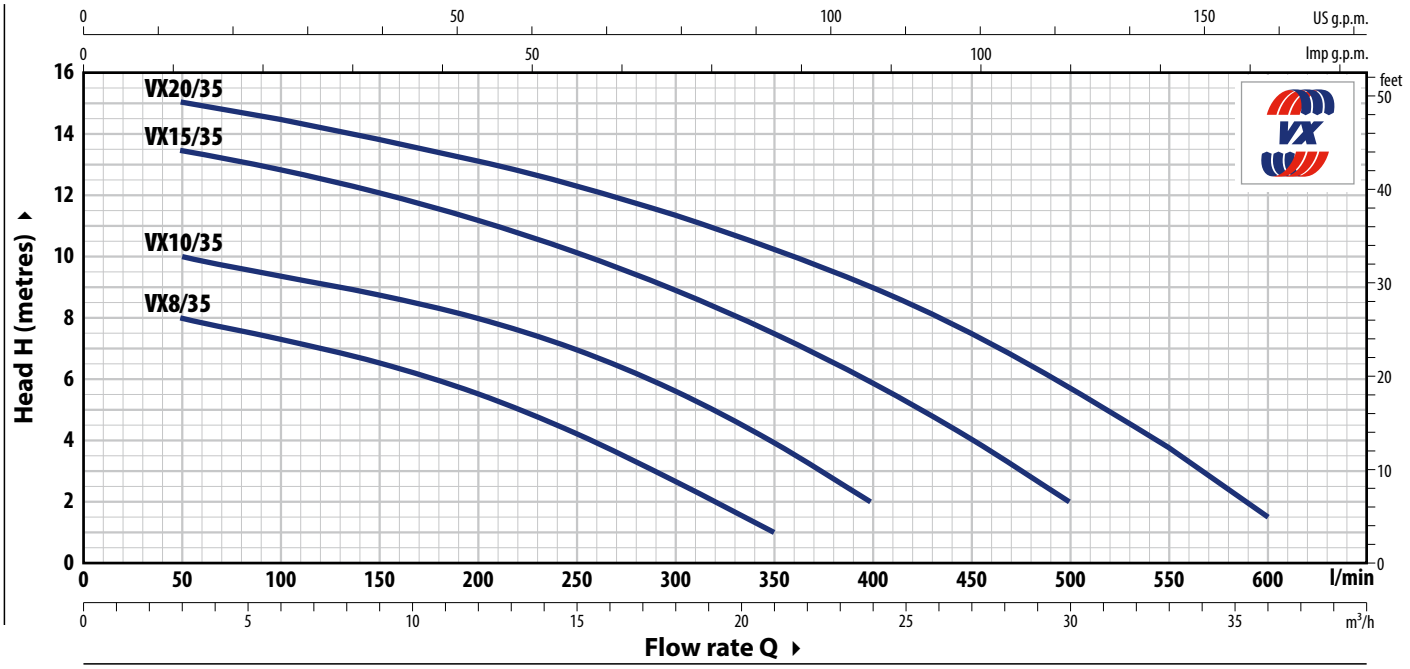
※ Pumps with **10 m** power cable for VX 8 and VX 10
※ Different voltage requirements 60 Hz frequency

PATENTS - TRADE MARKS - MODELS

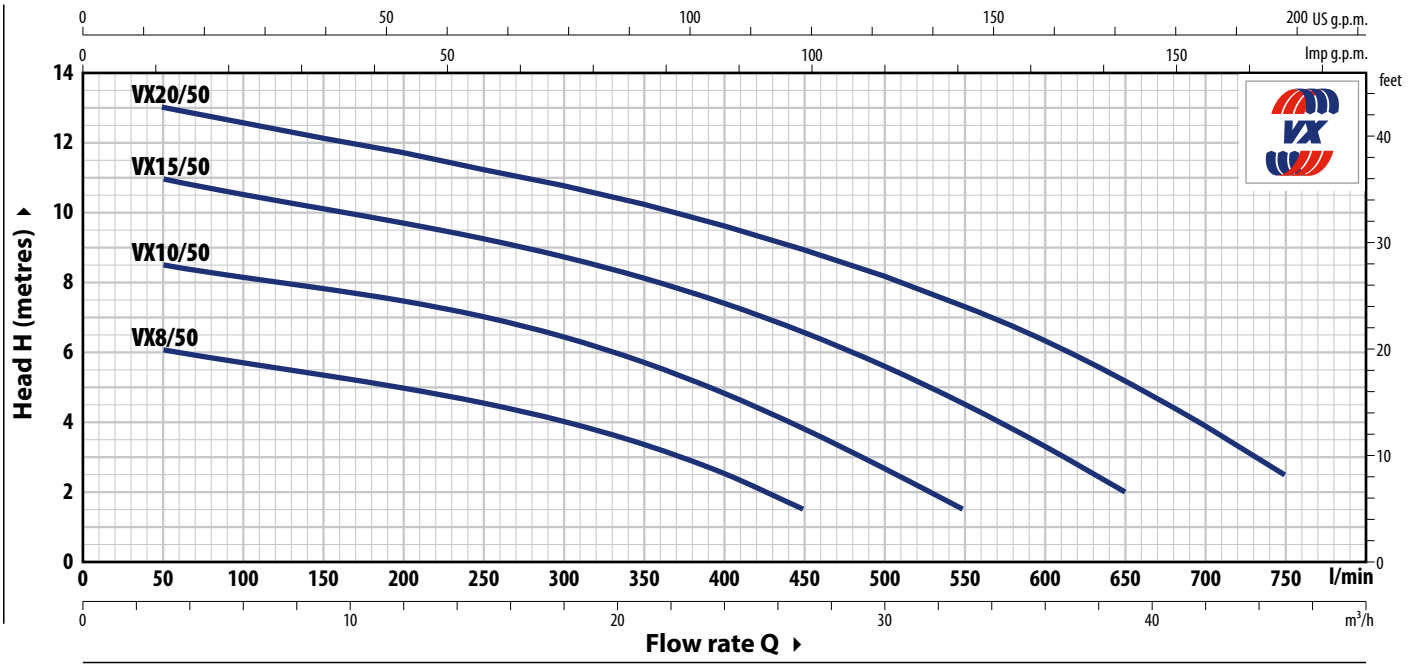
- Patent No. EP2313658
- Patent No. IT0001428923

CURVES AND PERFORMANCE DATA

50 Hz



TYPE		POWER (P2)		Q m³/h	0	3	6	12	18	21	24	27	30	33	36
Single-phase	**Three-phase**	**kW**	**HP**	Q l/min	**0**	**50**	**100**	**200**	**300**	**350**	**400**	**450**	**500**	**550**	**600**
VXm 8/35	**VX 8/35**	0.55	0.75	**H** metres	9	8	7.5	5.5	2.7	1					
VXm 10/35	**VX 10/35**	0.75	1		11	10	9.5	8	5.7	4	2				
VXm 15/35	**VX 15/35**	1.1	1.5		14	13.5	12.8	11.2	9	7.7	6	4	2		
VXm 20/35	**VX 20/35**	1.5	2		15.5	15	14.5	13	11.5	10.3	9	7.5	5.8	3.8	1.5



TYPE		POWER (P2)		Q m³/h	0	3	6	12	18	24	27	30	33	36	39	45
Single-phase	**Three-phase**	**kW**	**HP**	Q l/min	**0**	**50**	**100**	**200**	**300**	**400**	**450**	**500**	**550**	**600**	**650**	**750**
VXm 8/50	**VX 8/50**	0.55	0.75	**H** metres	6.5	6	5.8	5	4	2.5	1.5					
VXm 10/50	**VX 10/50**	0.75	1		9	8.5	8.2	7.5	6.5	5	3.8	2.5	1.5			
VXm 15/50	**VX 15/50**	1.1	1.5		11.5	11	10.5	9.8	8.7	7.5	6.5	5.5	4.5	3.5	2	
VXm 20/50	**VX 20/50**	1.5	2		13.5	13	12.5	11.5	10.7	9.5	9	8	7.5	6.5	5	2.5

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

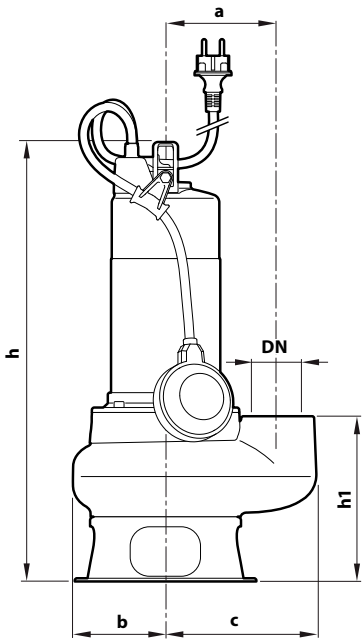
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

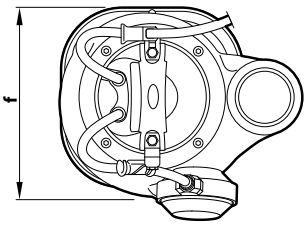
ABSORPTION

TYPE	VOLTAGE
Single-phase	**230 V**
VXm 8/35	4.3 A
VXm 10/35	5.5 A
VXm 15/35	7.0 A
VXm 20/35	9.6 A
VXm 8/50	4.3 A
VXm 10/50	5.5 A
VXm 15/50	7.0 A
VXm 20/50	9.6 A

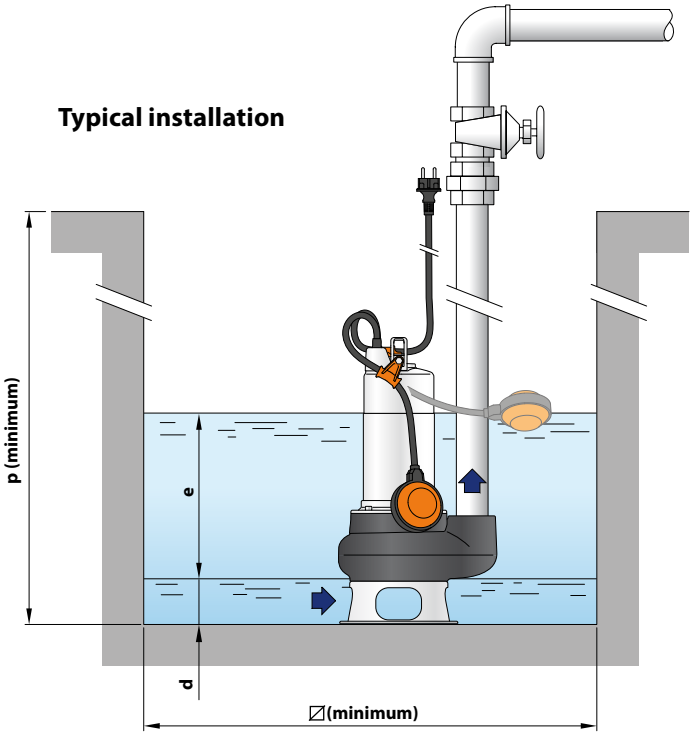
TYPE	VOLTAGE
Three-phase	**400 V**
VX 8/35	1.6 A
VX 10/35	2.2 A
VX 15/35	2.7 A
VX 20/35	3.7 A
VX 8/50	1.6 A
VX 10/50	2.2 A
VX 15/50	2.7 A
VX 20/50	3.7 A

DIMENSIONS AND WEIGHT





Typical installation



TYPE		PORT	Passage of solid bodies	DIMENSIONS mm										kg	
Single-phase	**Three-phase**	**DN**		a	b	c	f	h	h1	d	e	p	⍁	1~	3~
VXm 8/35	**VX 8/35**	**1½"**	**Ø 40 mm**	115	95	148	200	425	158	55	adjustable	500	500	13.7	12.6
VXm 10/35	**VX 10/35**							440						15.2	14.0
VXm 15/35	**VX 15/35**							473						18.0	16.4
VXm 20/35	**VX 20/35**							503						20.2	18.0
VXm 8/50	**VX 8/50**	**2"**	**Ø 50 mm**	115	95	155	200	436	169	60				14.2	13.1
VXm 10/50	**VX 10/50**							451						15.7	14.5
VXm 15/50	**VX 15/50**							484						18.5	16.9
VXm 20/50	**VX 20/50**							514						20.7	18.5

PALLET CAPACITY

TYPE		NO. OF PUMPS
Single-phase	**Three-phase**	
VXm 8/35	**VX 8/35**	45
VXm 10/35	**VX 10/35**	45
VXm 15/35	**VX 15/35**	30
VXm 20/35	**VX 20/35**	30
VXm 8/50	**VX 8/50**	45
VXm 10/50	**VX 10/50**	45
VXm 15/50	**VX 15/50**	30
VXm 20/50	**VX 20/50**	30

MATERIALS AND COMPONENTS

1	**Pump body**	Cast iron with cataphoresis treatment for greater corrosion resistance with ISO 228/1 threaded port
2	**Base**	Stainless steel **AISI 304**
3	**Impeller**	VORTEX type in **AISI 304** stainless steel.
4	**Motor sleeve**	Stainless steel **AISI 304**
5	**Motor cover**	**AISI 304** stainless steel for VX 8-10 Cast iron with cataphoresis treatment for VX 15-20
6	**Motor shaft**	Stainless steel **AISI 431**

7 Double mechanical seal in oil chamber

Seal	Shaft	Location	Materials
MG1-14D SIC	Ø 14 mm	Motor side	Silicon carbide / Graphite / NBR
		Pump side	Silicon carbide/Silicon carbide/NBR

8 Capacitor (exclusive to single-phase models)

9 Electric motor

VXm: single-phase 230 V - 50 Hz with winding integrated thermal motor protection
VX: three-phase 400 V - 50 Hz
– Insulation: class F
– Protection rating: IP X8

10 Power cord

Power cable encapsulated with epoxy resin both in the grommet area and where the conductors exit the sheath, for absolute insulation against moisture and water.

Type 'H07 RN-F
(Schuko plug exclusive to single-phase models)
※ Standard length 5 metres (10 metres for VX 15 and VX 20)

11 Float switch (exclusive to single-phase models)

12 Tilting device for the float cable
(exclusive to single-phase models)
Patent No. IT0001428923

13 Power cable strain relief
Patent No. EP2313658