GXVL

Submersible Pumps in stainless steel AISI 316L

Construction

Single-impeller submersible pumps in chrom-enickel-molybdenum stainless steel **AISI 316L**, with vertical delivery port.
GXVL: with free-flow (vortex) impeller.
Motor cooled by the pumped water passing between the motor jacket and the external jacket.
Double shaft seal with oil chamber.

Applications

For clean or slightly dirty water, containing solids up to 25 mm grain size.
Particularly suitable for liquids with a high solid content.
For outdoor use a power supply cable of not less than 10 m should be used in accordance with: EN 60 335-2-41.

Operating conditions

Liquid temperature up to 50° C.
Maximum immersion depth: 5 m.
Minimum water level with float 130 mm.
Minimum water level manual operation 30 mm.
Continuous duty.

Motor

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).
GXVL: three-phase 230 V ± 10%;
three-phase 400 V ± 10%;
Cable: H07RN-F, 4G1 mm², length 5 m, without plug.

GXVLM: single-phase 230 V,
with float switch and thermal protector.
Incorporated capacitor.
Cable: H07RN-F, 3G1 mm², length 5 m, with plug CEI-UNEL 47166.

Insulation class F.
Protection IP X8 (for continuous immersion)
Double impregnation humidity-proof dry winding.
Constructed in accordance with: EN 60034-1;
EN 60335-1, EN 60335-2-41.

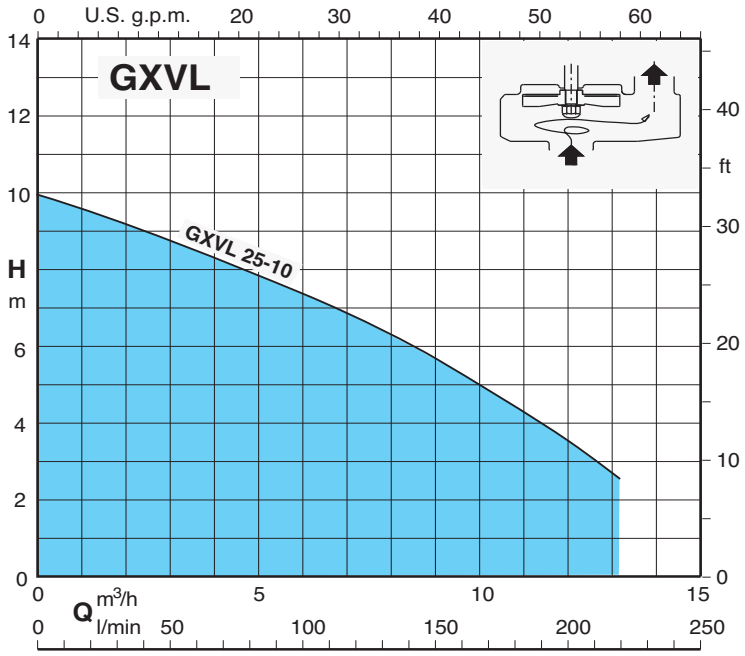
Other features on request

- Other voltages.
- Frequency 60 Hz.
- Other mechanical seal.
- Cable length 10 m.
- Motor suitable for operation with frequency converter.

Materials

Component	Material
Pump casing Strainer Impeller Motor jacket Pump jacket	Cr-Ni-Mo steel 1.4404 EN 10088 (AISI 316L)
Handle	Polypropylene
Shaft	Cr-Ni-Mo steel 1.4404 EN 10088 (AISI 316L)
Mechanical seal	Ceramic alumina/Carbon/NBR
Seal lubrication oil	Oil for food/pharmaceutical machinery

Characteristic curves n ≈ 2900 rpm



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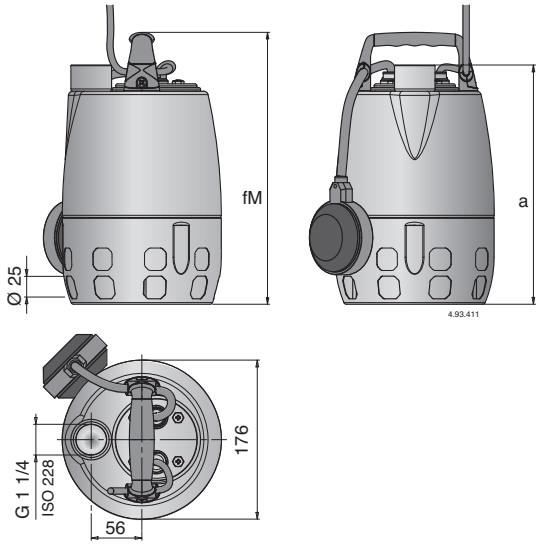
Performance n ≈ 2900 rpm

3~	230V	400V	1~	230V	Capacitor		P1	P2		Q m³/h	0	1,2	3	4,5	6	7,5	9	10,2	12	13,2
	A	A		A	µf	Vc	kW	kW	HP	l/min	0	20	50	75	100	125	150	170	200	220
GXVL 25-10	2,8	1,6	**GXVLM 25-10**	4,5	16	450	0,95	0,45	0,6	**H** m	10	9,5	8,7	8	7,3	6,5	5,7	4,9	3,7	2,6

P1 Max. power input. P2 Rated motor power output. Density ρ = 1000 kg/m³. Kinematic viscosity ν = max 20 mm²/sec.

Tolerances according to UNI EN ISO 9906:2012

Dimensions and weights



TYPE	Dimensions mm		(1) kg	
	fM	a	GXVL	GXVLM
GXVL 25-10 - GXVLM 25-10	337	302	6,8	7,3

(1) With cable length: 5 m

Installation examples