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# GXC, GXV

## Submersible Sewage and Drainage Pumps



### Construction

Single-impeller submersible pumps in chrome-nickel stainless steel, with vertical delivery port.

**GXC:** with two-passage impeller.

**GXV:** with free-flow (vortex) impeller.

Double shaft seal with interposed oil chamber.

### Applications

For clean and dirty water, also containing solids up to 35 mm grain size.

The GXV free-flow impeller construction is particularly suitable for liquids with a high solid content or with filamentous particles. This construction (with smooth surfaces in rolled-stainless steel and easy access for cleaning) is also suitable for certain uses in the food industry.

### Operating conditions

Liquid temperature up to 35 °C.

Minimum immersion depth: 250 mm.

Maximum immersion depth: 5 m.

Continuous duty (with submerged motor).

### Motor

2-pole induction motor, 50 Hz (n = 2800 rpm).

**GXC, GXV:** three-phase 230 V ± 10%;

three-phase 400 V ± 10%;

**GXCM, GXVM:** single-phase 230 V ± 10%,

with float switch and thermal protector.

Control box with capacitor.

Cable: H07 RN8-F, 4G1 mm<sup>2</sup>, length 10 m.

Insulation class F.

Protection IP X8 (for continuous immersion)

Triple impregnation humidity-proof dry winding.

Constructed in accordance with: EN 60335-2-41.

### Special features on request

- Other voltages.
- Frequency 60 Hz (only for GXV, as per 60 Hz data sheet).
- Other mechanical seal.
- Cable length 20 m.
- Sleeve and clamp for flexible hose.

### Materials

Component	Material
Pump casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Casing cover	
Impeller	
Motor jacket	
Jacket cover	
Handle	Chrome-nickel steel 1.4305 EN 10088 (AISI 303)
Shaft	
Mechanical seal	
Seal lubrication oil	
	Oil for food/pharmaceutical machinery

### Characteristic curves $n \approx 2800$ rpm



