

# GS SERIES

## SUBMERSIBLE PUMPS FOR 4" WELLS

### APPLICATIONS

- Water supply.
- Sprinkler systems.
- Pressure boosting.
- Fire-fighting.
- Water display, fountains.

### SPECIFICATIONS

- **Delivery** up to **21 m<sup>3</sup>/h.**
- **Head** up to **340 m.**
- **Maximum** pump overall **diameter** (cable cover included): **99 mm.**
- **Maximum** immersion **depth: 150 m.**
- Maximum permissible **quantity of suspended sand: 150 g/m<sup>3</sup>.**
- 1GSL - 2GS - 4GS - 6GS versions (radial impellers): 1 1/4" delivery port.
- 8GS - 12GS - 16GS versions (semi-axial impellers): 2" delivery port.
- Rated motor **power** from **0.25 to 7.5 kW.**
- Versions:
  - Single-phase** 220-230 V or 230-240 V, 50 Hz, from 0.25 to 2.2 kW.
  - Three-phase** 380-415 V, 50 Hz, from 0.37 to 7.5 kW.- Overload protection to be provided by user and installed in the control box (see control box section).- Maximum supply voltage variations: +6%/-10%
- Maximum number of **starts per hour**, at regular intervals: **30** (4OS motor), **20** (F4 motor).
- Horizontal operation up to 2.2 kW with 4OS or F4 series motors, with F4 motor for higher powers.
- Maximum **temperature** of water in contact with the motor: **30°C.**

### CONSTRUCTION CHARACTERISTICS

#### PUMP

- Abrasion resistant construction. The front wear plate, combined with the floating impellers, ensures optimum resistance to abrasion.
- The non-return valve is integrated in the head so as to discharge the weight of the column of water and any



water hammer onto the head itself, thus safeguarding impellers and diffusers.

- The upper and lower supports are made of precision-cast stainless steel, ensuring resistance to corrosion, durability and a sturdy coupling to the motor.
- The GS series pumps can be coupled to either 4OS or F4 motors.

#### MOTOR

For 4OS motor characteristics, please see specific section in this catalogue.

### TABLE OF MATERIALS

PART	MATERIAL
Upper head, Valve cap, Valve seat	STAINLESS STEEL (AISI 303 - DIN 1.4305)
Valve gasket	NITRILE RUBBER
Valve stop ring	STAINLESS STEEL (AISI 302 - DIN 1.4319)
Upper support	POLYCARBONATE/FIBERGLASS
Bearing	POLYURETHANE
Diffuser, impeller	POLYCARBONATE/FIBERGLASS
Diffuser case, Shim, Pump shaft, Outer sleeve, Spacer, Filter, Coupling, Cable cover	STAINLESS STEEL (AISI 304 - DIN 1.4301)

All the nitrile rubber, polyurethane and polycarbonate components are suitable for usage with foodstuffs and comply with FDA specification (the Food and Drug Administration is the US agency for the safeguard of public health).