

# PRIOX

DRENA-LINE





## PRIOX DRENA-LINE

### SUBMERSIBLE VORTEX PUMPS FOR WASTE WATER

The PRIOX pumps series are submersible drainage pumps designed for stationary and portable installation. These single-stage pumps are completely constructed in 100% AISI 304 stainless steel. PRIOX pumps are designed with vortex impeller with a free passage of 40mm and 50mm. They operate entirely immersed in the pumped liquid which serves to cool the motor from the exterior. They are available in either single phase or three phase versions and for 50 Hz power supply.

#### APPLICATIONS

- All applications for lifting and draining waste water with suspended solids and fibers, with free passage of 40mm and 50 mm.
- Pump stations with one or more pumps for agricultural and civil complexes
- Drainage of flooded cellars
- Groundwater lowering

- Effluents from showers, washing machines and sinks below sewer level
- Emptying of drain wells

#### CARACTÉRISTIQUES

- Dry motor
- Protection rating IP 68
- Insulation class F
- Single phase power supply with permanently activated capacitor and thermal cutout protection incorporated in the motor winding

- Fully insulated cable connection chamber
- Self-lubricating ball bearings
- Maximum liquid temperature: 40°C
- Maximum immersion below water level: 7 m
- Permanent operation (S1) only submerged
- Minimum drainage level 60 mm (on manual version)
- Mechanical seal: Silicon Carbide/ Silicon Carbide



## THE VORTEX IMPELLER



- Cast impeller in one single piece in stainless steel  
Europe: EN 10088-1 X5CrNi18-10 (1.4301)USA: AISI 304
- Special shape of the vanes to get the best efficiency and low absorbed power
- Vortex no clogging impeller
- Special hub design to protect the mechanical seal

## TECHNICAL DATA

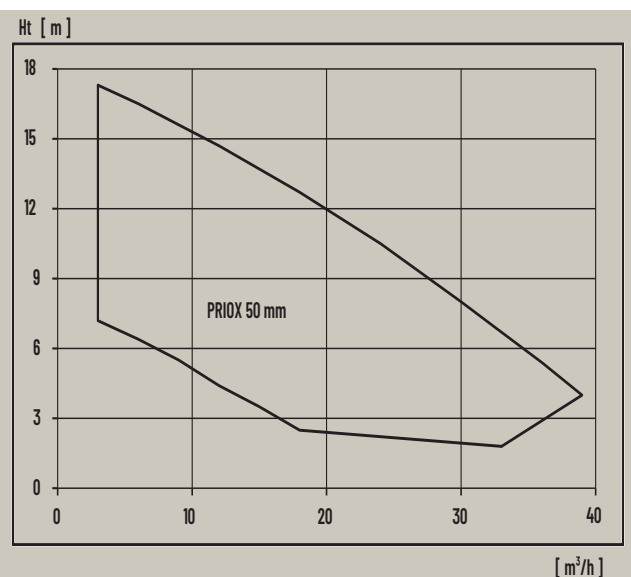
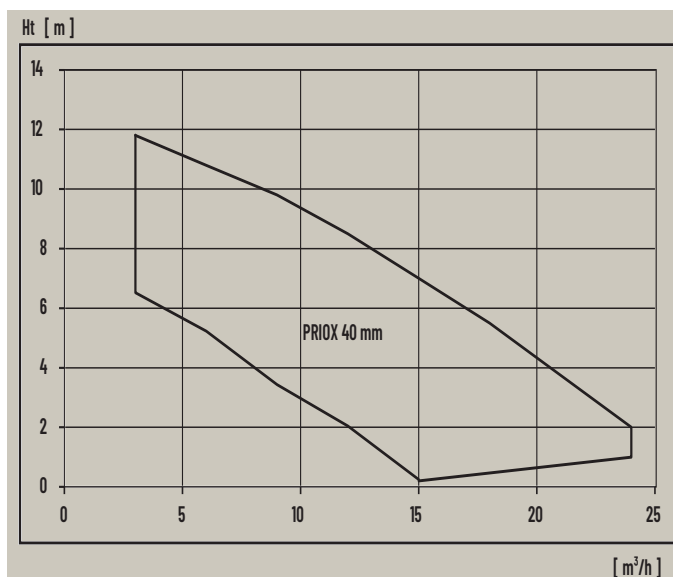
### 40 MM FREE PASSAGE RANGE

- H max = 11,8 m
- Q max = 24 m<sup>3</sup> /h
- P2 max = 1,1 kW
- The automatic version is equipped with float switch
- 11 models
- Voltage (V): 1x230 / 3x400

### 50 MM FREE PASSAGE RANGE

- H max = 17,3 m
- Q max = 39 m<sup>3</sup> /h
- P2 max = 2,4 kW
- The automatic version is equipped with float switch
- 8 models
- Voltage (V):1x230 / 3x400

## PERFORMANCE RANGE - PRIOX 40 MM & PERFORMANCE RANGE - PRIOX 50 MM



## CONTACTS

### Customer Service

tel: +39.050.71.61.12

fax: +39.050.71.61.56

e-mail: [customerservice.ppi@pentair.com](mailto:customerservice.ppi@pentair.com)

### Technical Support

tel: +39.050.71.61.12

fax: +39.050.71.61.77

e-mail: [aftersales.ppi@pentair.com](mailto:aftersales.ppi@pentair.com)

### Marketing

tel: +39.050.71.61.96

fax: +39.050.71.68.01

e-mail: [Info-it@pentair.com](mailto:Info-it@pentair.com)

### Training

e-mail: [training-italy@pentair.com](mailto:training-italy@pentair.com)



**Pentair Water Italy s.r.l. | Via Masaccio, 13 | 56010 Lugnano (PI), Italy | Tel. +39.050.71.61.11 | Fax +39.050.70.31.37**  
**[info-it@pentair.com](mailto:info-it@pentair.com) | [www.jung-pumpen.it](http://www.jung-pumpen.it)**

**JUNG PUMPEN GmbH | Industriestraße 4-6 | 33803 Steinhagen | Germany | [www.jung-pumpen.com](http://www.jung-pumpen.com)**

Pentair Sta-Rite, Pentair Jung Pumpen are trademarks, or registered trademarks of Pentair or its subsidiaries in the United States and/or other countries. All other brand or product names are trademarks or registered marks of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.

NV260A840 ED. IT - Rev.0 - 01/18 © 2018 Pentair Water Italy. All Rights Reserved.