



Dirty water



Domestic use

※ **FAMILY is an innovative and reliable stainless steel product**



PERFORMANCE RANGE

- Flow rate up to **220 l/min** (13.2 m³/h)
- Head up to **11 m**

INSTALLATION AND USE

The **FAMILY** pump is designed for **dirty water** and sewage drainage in **domestic settings**, capable of handling suspended solids up to **30 mm in diameter**. It's easy to operate and reliable in automated fixed installations.

INCLUDES

- ※ **5 m** power cable
- ※ Float switch
- ※ Rubber element holder

APPLICATION LIMITS

- Depth below water level up to **5 m** (with an appropriately sized power cable)
- Liquid temperature up to **+40 °C**
- Capable of processing suspended solids up to **Ø 30 mm**
- **Minimum immersion for continuous service: 160 mm**

AVAILABLE UPON REQUEST

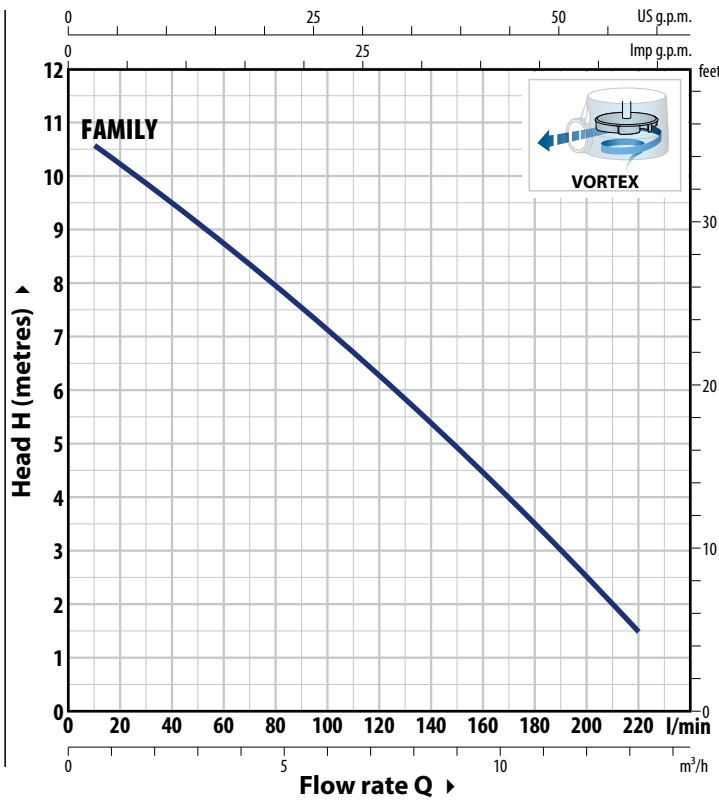
- ※ Technopolymer impeller (economic)
- ※ Pumps with **10 m** power cable
- ※ Different voltage or frequency

PATENTS - TRADE MARKS - MODELS

- Patent No. IT0001428923

CURVES AND PERFORMANCE DATA

60 Hz



ABSORPTION

| TYPE | VOLTAGE | |
|---------------|--------------|--------------|
| | Single-phase | 220 V |
| FAMILY | 3.2 A | 6.4 A |

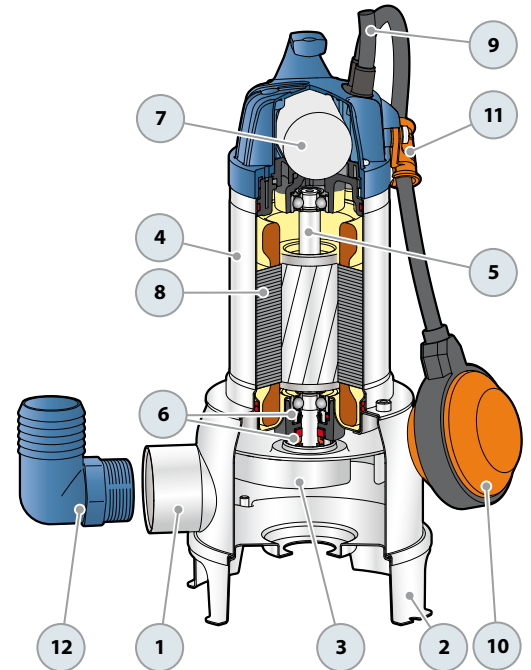
| TYPE | POWER (P ₂) | | Q | Flow rate | | | | | | | | | | | | | | |
|---------------|-------------------------|------|----------|-------------------|------|------|-----|-----|-----|-----|------|-----|------|--|--|--|--|--|
| | kW | HP | | m ³ /h | 0 | 0.6 | 1.2 | 3.6 | 6 | 8.4 | 10.8 | 12 | 13.2 | | | | | |
| Single-phase | | | l/min | 0 | 10 | 20 | 60 | 100 | 140 | 180 | 200 | 220 | | | | | | |
| FAMILY | 0.50 | 0.70 | H metres | 11 | 10.6 | 10.3 | 8.8 | 7.2 | 5.4 | 3.6 | 2.6 | 1.5 | | | | | | |

Q = Flow rate H = Total manometric head

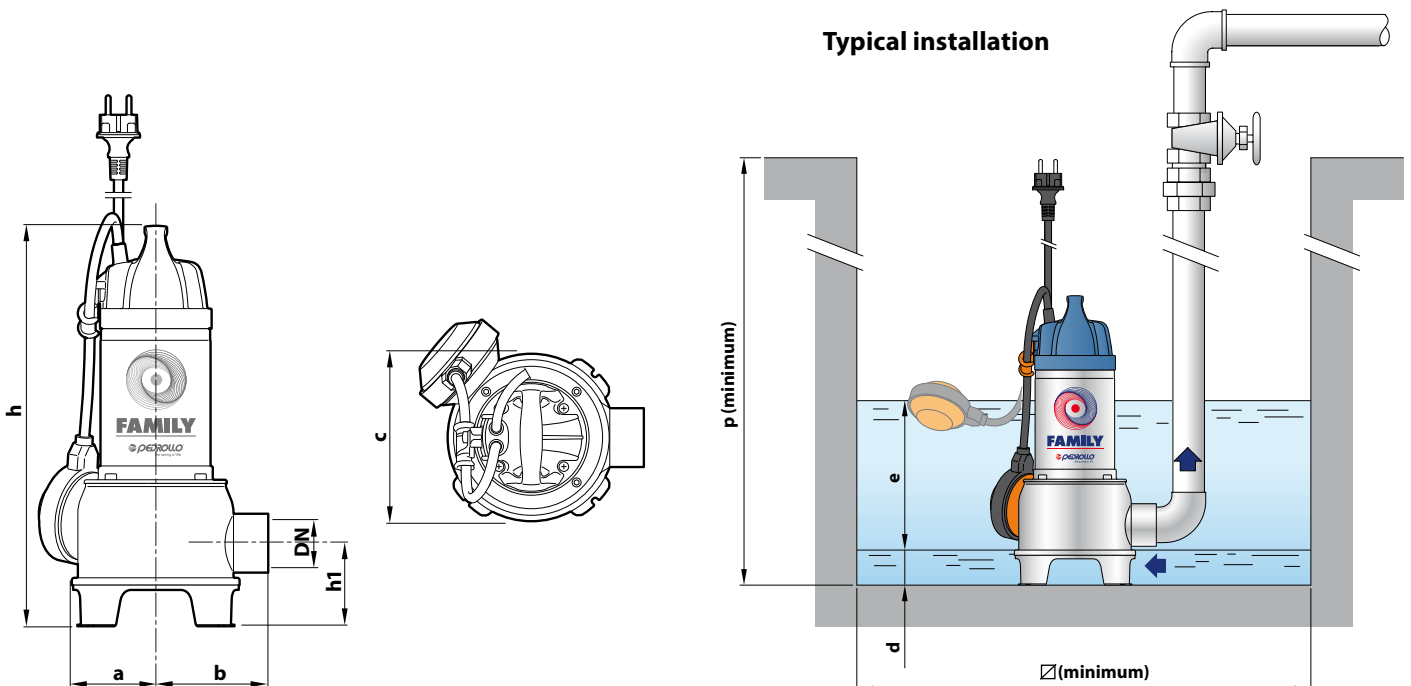
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

MATERIALS AND COMPONENTS

| | | | |
|--|--|----------------------|--------------------------|
| 1 Pump body | AISI 304 stainless steel 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 shaft | Stainless steel AISI 431 | | |
| 6 Double shaft seal | Seal | Shaft | Materials |
| | STA-12R | Ø 12 mm | Ceramic / Graphite / NBR |
| | Shaft seal | Ø 12 x Ø 19 x H 5 mm | |
| 7 Capacitor | | | |
| 8 Electric motor | Single-phase 220 V - 60 Hz or 110 V - 60 Hz with winding integrated thermal motor protection – Insulation: class F – Protection rating: IP X8 | | |
| 9 Power cord | Type 'H07 RN-F' with Schuko plug ※ Standard length 5 metres | | |
| 10 Float switch | | | |
| 11 Tilting device for the float cable | Patent No. IT0001428923 | | |
| 12 Hose holder (included in delivery) | Ø 50 mm | | |



DIMENSIONS AND WEIGHT



| TYPE | PORT DN | Passage of solid bodies | DIMENSIONS mm | | | | | | | | | kg 1~ | PALLET CAPACITY |
|---------------|------------|----------------------------|---------------|----|-----|-----|----|----|------------|-----|-----|----------|-----------------|
| | | | a | b | c | h | h1 | d | e | p | Ø | | |
| FAMILY | 1½" | Ø 30 mm | 70 | 93 | 140 | 333 | 68 | 30 | adjustable | 450 | 450 | 7.0 | 96 |