# PLURIJET Multi-stage self-priming pumps

Clean water

Domestic use

Civil use


**※ PLURIJET high-efficiency pumps with stainless steel impellers are as essential as water. Thanks to their reliability, quiet operation, and cost-effectiveness, they provide the best and most effective solution for your domestic needs.**

## ※ VERSATILE

PLURIJET pumps are designed to handle any domestic water task with ease. With exceptional suction capacity, they can prime up to 9 metres deep, making them perfect for any household water requirement.

## ※ EFFICIENT

Get the job done efficiently with PLURIJET pumps. Their high hydraulic efficiency means they consume significantly less electricity compared to self-priming JET pumps, ensuring you have all the water you need without draining your power supply.

## ※ SILENT

Featuring multi-cellular hydraulics for maximum pressure with minimal power consumption, these pumps operate with significantly reduced noise levels, ensuring a quiet performance.

## PERFORMANCE RANGE

- Flow rate up to **130 l/min** (7.8 m³/h)
- Head up to **52 m**

## INSTALLATION AND USE

Designed to transfer clean water free from abrasive particles and safe liquids that will not damage any of the pump's components. Highly reliable and quiet, they are suitable for domestic applications.
They work seamlessly with small to medium-sized pressure tanks, offering an ideal setup for all irrigation requirements.

## APPLICATION LIMITS

- Manometric suction head up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+60 °C**
- Ambient temperature up to **+40 °C**
- Maximum working pressure **6 bar**

## AVAILABLE UPON REQUEST

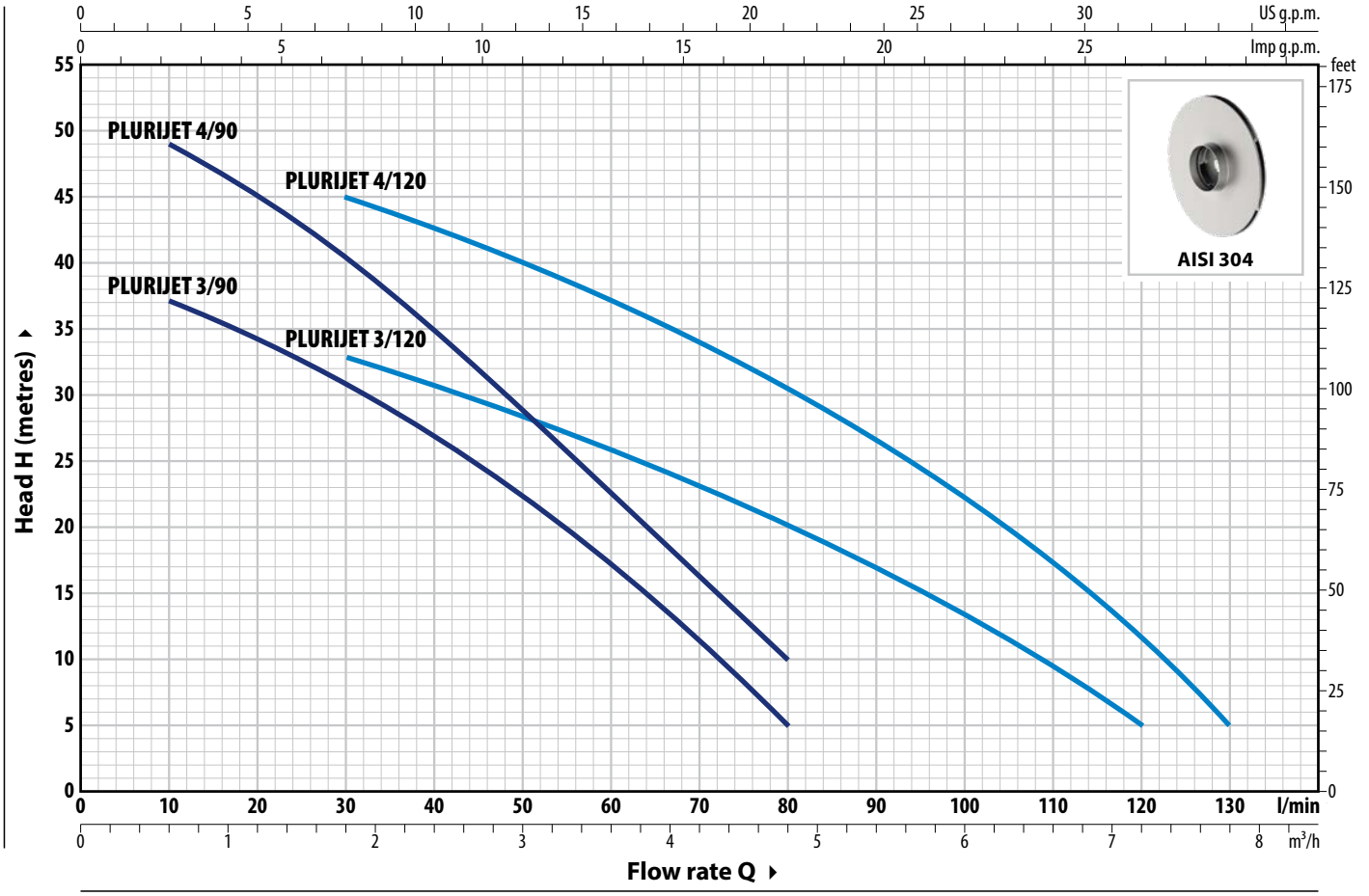
※ Mechanical seal options available
※ Different voltage or frequency

## PATENTS - TRADE MARKS - MODELS

- **PLURIJET**®Registered trademark No. 3974301
- Patent Pending No. 102023000019836

## CURVES AND PERFORMANCE DATA – HS=0 m

**60 Hz**

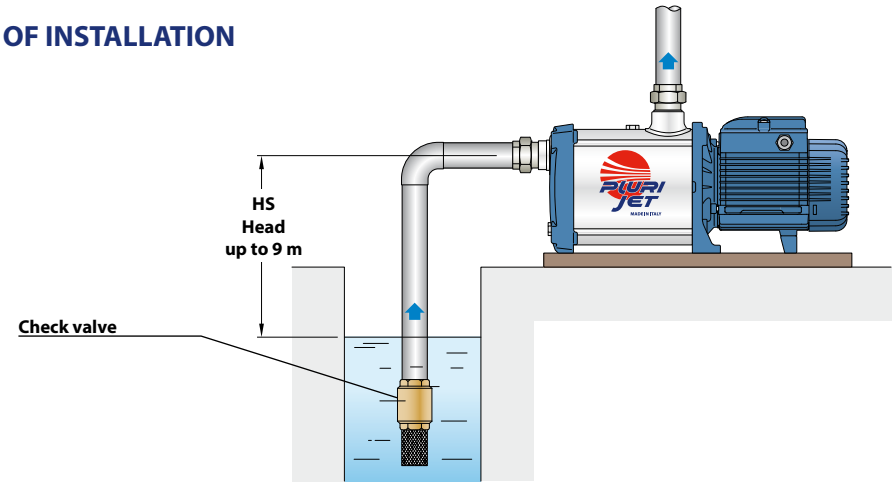



| TYPE | | POWER (P2) | | | Q m³/h | 0 | 0.3 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 | 7.8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Single-phase** | **Three-phase** | **kW** | **HP** | **3~** | l/min | **0** | **5** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** | **110** | **120** | **130** |
| **PLURIJETm 3/90** | **PLURIJET 3/90** | 0.48 | 0.65 | | | 40 | 38 | 37 | 34.5 | 31 | 27 | 22.5 | 17 | 11 | 5 | | | | | |
| **PLURIJETm 4/90** | **PLURIJET 4/90** | 0.55 | 0.75 | **IE2** | **H** m | 52 | 50 | 49 | 44.5 | 40 | 34 | 28.5 | 22.5 | 16 | 10 | | | | | |
| **PLURIJETm 3/120** | **PLURIJET 3/120** | 0.55 | 0.75 | | | 38 | 37 | 36 | 34.5 | 33 | 31 | 28 | 26 | 23 | 20 | 17 | 13.5 | 10 | 5 | |
| **PLURIJETm 4/120** | **PLURIJET 4/120** | 0.75 | 1 | **IE3** | | 50 | 50 | 49 | 47 | 45 | 42 | 39.5 | 37 | 34 | 30.5 | 26.5 | 22 | 17 | 11 | 5 |

**Q** = Flow rate **H** = Total manometric head **HS** = Suction height

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

## EXAMPLE OF INSTALLATION



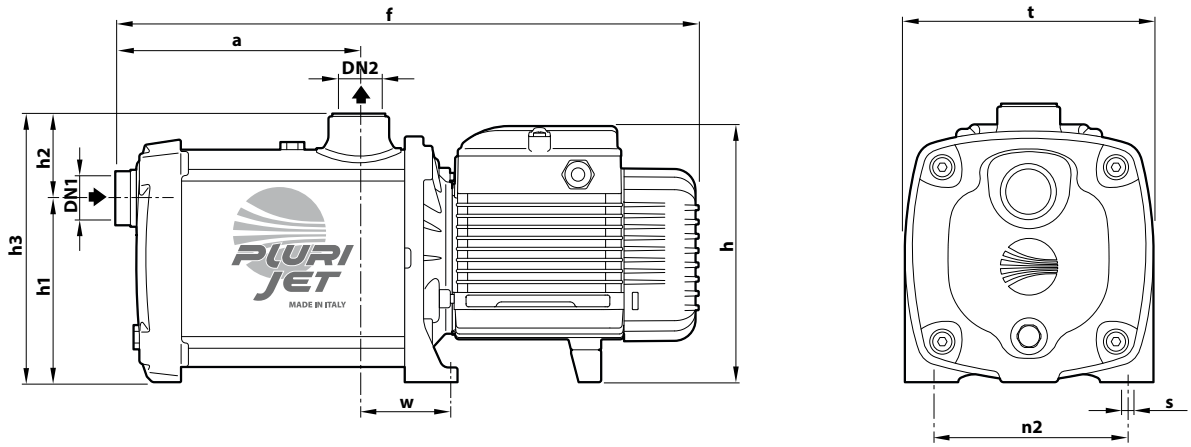
# PLURIJET

## ABSORPTION

| TYPE | VOLTAGE | |
|---|---|---|
| Single-phase | 220 V | 110 V |
| PLURIJETm 3/90 | 3.4 A | 6.9 A |
| PLURIJETm 4/90 | 4.5 A | 9.0 A |
| PLURIJETm 3/120 | 5.0 A | 10.0 A |
| PLURIJETm 4/120 | 6.2 A | 12.0 A |

| TYPE | VOLTAGE | |
|---|---|---|
| Three-phase | 220 V - Δ | 380 V - Y |
| PLURIJET 3/90 | 2.3 A | 1.3 A |
| PLURIJET 4/90 | 2.8 A | 1.6 A |
| PLURIJET 3/120 | 3.2 A | 1.8 A |
| PLURIJET 4/120 | 4.5 A | 2.6 A |

## DIMENSIONS AND WEIGHT




| TYPE | | PORTS | | DIMENSIONS mm | | | | | | | | | | kg | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single-phase | Three-phase | DN1 | DN2 | a | f | h | h1 | h2 | h3 | t | n2 | w | s | 1~ | 3~ |
| PLURIJETm 3/90 | PLURIJET 3/90 | 1" | 1" | 132 | 358 | 171 | 122 | 56 | 178 | 160 | 125 | 56.5 | 9 | 8.4 | 8.4 |
| PLURIJETm 4/90 | PLURIJET 4/90 | | | 157 | 383 | | | | | | | | | 9.7 | 9.0 |
| PLURIJETm 3/120 | PLURIJET 3/120 | | | 132 | 358 | | | | | | | | | 9.2 | 8.5 |
| PLURIJETm 4/120 | PLURIJET 4/120 | | | 157 | 402 | 189 | | | | | | | | 12.2 | 12.2 |

(*) h=221 mm for single-phase 110 V versions

## MATERIALS AND COMPONENTS

| | | |
|---|---|---|
| 1 | **Pump body** | Stainless steel **AISI 304**,provided with ISO 228/1 threaded ports |
| 2 | **Cover** | Stainless steel **AISI 304** |
| 3 | **Impellers** | Stainless steel **AISI 304** |
| 4 | **Diffusers** | Noryl™ complete with wear rings |

**5 Mechanical seal**

| Seal | Shaft | Materials |
|---|---|---|
| **AR-13** | Ø 13 mm | Ceramic / Graphite / NBR |

| | | |
|---|---|---|
| 6 | **Motor shaft** | Stainless steel **AISI 431** |

**7 Electric motor**

**PLURIJETm**: single-phase 220 V - 60 Hz with winding integrated thermal motor protection
**PLURIJET**: three-phase 220/380 V - 60 Hz

– The three-phase pumps are fitted with high performance motors up to P2=0.55 kW in class IE2 and from P2=0.75 kW in class IE3 (IEC 60034-30-1)
– Continuous running duty **S1**