

FUTURE JETm 1A-ST Self-Priming Jet Pump

0.55 kW 230 V single-phase · high-efficiency patented FUTURE JET hydraulics · up to 100 l/min and 44 m head

Part No. 2110290

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More flow. Less power. Primes itself from 9 m.

The FUTURE JETm 1A-ST is the most powerful model in the FUTURE JET-ST 1 series. Pedrollo's patented FUTURE JET design re-engineers the classic jet pump, matching and exceeding its pressure while — by Pedrollo's figures — doubling the flow and cutting energy use by up to 50%. It primes itself from up to 9 m below the pump and keeps running with air in the water, making it the natural choice for wells, tanks and rainwater stores. Suited to a family home with one or two bathrooms, or a larger garden.



100 l/min
MAX FLOW

44 m
MAX HEAD

0.55 kW
0.75 HP

9 m
SUCTION LIFT

6 bar
MAX PRESSURE

KEY FEATURES

- Patented FUTURE JET hydraulics — more flow than a traditional jet
- Up to 50% lower energy consumption (Pedrollo)
- Self-priming to 9 m, handles air in the water
- Reduced turbulence — quieter, more stable running
- AISI 304 stainless pump body, cover and impeller
- IE2 motor with integrated thermal protection
- Continuous S1 duty, Class F insulation, IPX4
- 1" BSP suction and delivery

IDEAL FOR

- Domestic supply from wells, sumps and tanks
- Rainwater harvesting supply
- Garden and orchard irrigation
- Clean water transfer between tanks

WHAT'S INCLUDED

- FUTURE JETm 1A-ST pump, 230 V single-phase
- Pedrollo installation and operating instructions

PERFORMANCE — 50 Hz, 0 m suction lift										
Flow l/min	5	10	20	40	60	80	90	95	100	
Head m	44	40.6	34.5	25.2	18.7	13.7	11.4	10.2		9
Shut-off head at zero flow 48 m. Performance to EN ISO 9906 Grade 3B.										

PUMP & MOTOR	
Power (P2)	0.55 kW / 0.75 HP
Supply	230 V single-phase
Motor	IE2, thermal protection
Current	4.0 A at 230 V
Duty / insulation	S1 / Class F
Protection	IPX4
Max flow	100 l/min
Max head	44 m
Max pressure	6 bar

MATERIALS & DIMENSIONS	
Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless
Cover	AISI 304 stainless
Ejector	Noryl™
Motor shaft	AISI 431 stainless
Mech. seal	AR-12, Ø12 mm
Ports	1" BSP (ISO 228/1)
Length × height	367 × 183 mm
Weight	7.8 kg

APPLICATION LIMITS	
Suction lift	Up to 9 m
Liquid temperature	−10 °C to +40 °C
Ambient temperature	Up to +40 °C
Liquid	Clean water, not chemically aggressive to pump materials

Installation notes. Fill the pump body with water through the priming plug before first start. Fit a non-return valve on the suction line and keep suction pipework no smaller than the port size. Install indoors or under cover in a ventilated space protected from the weather. For whole-house supply, pair with a pressure vessel and pressure switch or pump controller.