



MADE IN ITALY





From an evolution of the classic JET concept a SUPER JET was born. The stainless steel self-priming pump of the future!

Our Research and Development department has accomplished the evolution of the classic self-priming pump and designing the FUTURE JET-ST.

FUTURE JET-ST, which has an internationally filed patent, is able to obtain the same pressure as a classic JET whilst at the same time doubling its capacity and achieving a reduction in energy consumption of up to 50%.

- * High hydraulic efficiency
- Energy savings up to 50%
- Reduction of turbulence for a very stable operation of the pump
- * A better power/flow ratio
- Stainless steel pump body and impeller



A BRIEF HISTORY

Self-priming ejector pumps were designed about 60 years ago. These types of pumps were a great success, mainly for two reasons:

- 1. self-priming up to 9 metres in depth;
- 2. an increase in pressure because of the internal recirculation of a part of the water already under pressure thanks to the impeller.

On the other hand the greatest limit of this pump is the low flow rate, actually a half of what can be reached with a classic centrifugal pump of the same power. A classic JET pump will take twice the time of a centrifugal pump to process the same amount of water, thus doubling the energy consumption.

**** This limitation no longer applies with the new FUTURE JET-ST.**

PERFORMANCE RANGE

Flow rate up to **120 l/min** (**7.2 m³/h**) Head up to 58 m

APPLICATION LIMITS

Manometric suction lift up to 9 m (HS) Liquid temperature between -10 °C and +40 °C Ambient temperature up to +40 °C Max. working pressure in pump body 6 bar Continuous service S1

INSTALLATION AND USE

Suitable for pumping clean water and liquids which are not chemically aggressive for the materials of the pump.

The self-priming **FUTURE JET-ST** pumps are designed to pump water even in cases where air is present. Because of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water coupled with small or medium-sized pressure tanks for irrigating vegetable gardens or gardens, etc.

Installation needs to be undertaken in well ventilated closed areas or anyway protected from bad weather.

PATENTS - TRADE MARKS - MODELS

- * FUTURE JET® Registered Trade Mark n° 018198453
- * Patent n° PCT/IT2019/050168

OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency
- Pumps with impeller in technopolymer

WARRANTY

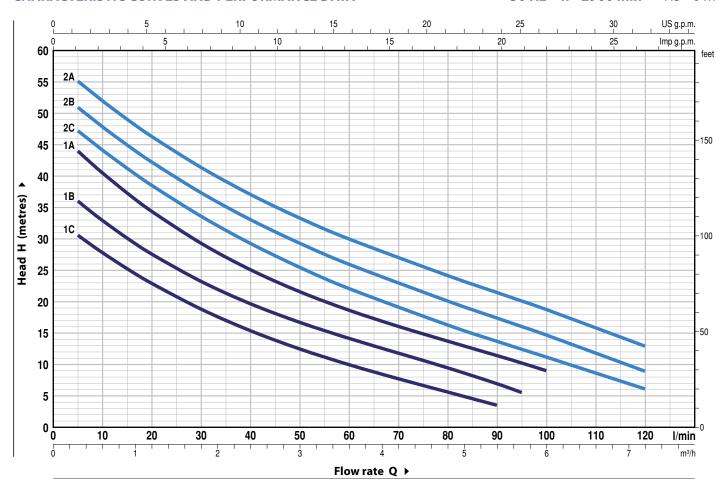
2 years in accordance with our general conditions of sale



Self-priming "JET" pumps

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min⁻¹ HS= 0 m



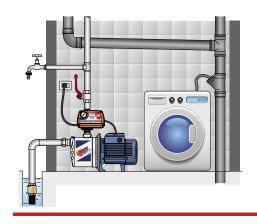
МО	DEL	PO	VER (P	2)	m³/h	0	0.3	0.6	1.2	2.4	3.6	4.8	5.4	5.7	6	7.2
Single-phase	Three-phase	kW	HP	•	Q /min	0	5	10	20	40	60	80	90	95	100	120
FUTURE JETm 1C-ST	FUTURE JET 1C-ST	0.37	0.50			33.5	30.5	27.7	22.9	15.4	10	6	3.5			
FUTURE JETm 1B-ST	FUTURE JET 1B-ST	0.48	0.65	IE2		39.5	36	33	27.6	19.7	14.2	9.5	7	5.5		
FUTURE JETm 1A-ST	FUTURE JET 1A-ST	0.55	0.75		H metres	48	44	40.6	34.5	25.2	18.7	13.7	11.4	10.2	9	
FUTURE JETm 2C-ST	FUTURE JET 2C-ST	0.75	1		n metres	50	47	43.8	38.3	29	22	16.2	13.5	12.3	11	6
FUTURE JETm 2B-ST	FUTURE JET 2B-ST	0.90	1.25	IE3		54	51	47.8	42.2	33	26	20.2	17.5	16	14.7	9
FUTURE JETm 2A-ST	FUTURE JET 2A-ST	1.1	1.5			58	55	51.8	46.2	37	30	24.2	21.5	20	18.8	13

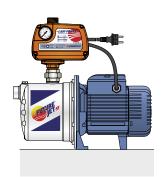
Q = Flow rate **H** = Total manometric head **HS** = Suction height

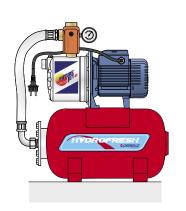
▲ Three-phase motor efficiency class (IEC 60034-30-1)

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

STANDARD INSTALLATION

























POS.	COMPONENT	CONSTRUCTION CH	ARACTER	RISTICS			
1	PUMP BODY	Stainless steel AISI 304, v	vith threade	d ports in con	npliance with IS	6O 228/1	
2	BODY BACKPLATE	Stainless steel AISI 304					
3	NOZZLE ASSEMBLY	Noryl					
4	IMPELLER	Stainless steel AISI 304					
5	MOTOR SHAFT	Stainless steel AISI 431					
6	MECHANICAL SEAL	Pump	Seal	Shaft		Materio	als
		Model	Model	Diameter	Stationary ring	Rotating ring	Elastomer
		FUTURE JET 1-ST	AR-12	Ø 12 mm	Ceramic	Graphite	NBR
		FUTURE JET 2-ST	AR-14	Ø 14 mm	Ceramic	Graphite	NBR
7	BEARINGS	Pump	Model				
		FUTURE JET 1-ST	6201 ZZ /	6201 ZZ			
		FUTURE JET 2-ST	6203 ZZ /	6203 ZZ			
8	CAPACITOR	Pump	Capacitan	ıce			
		Single-phase	(230 V o 240) V)			
		FUTURE JETm 1C-ST	10 μF - 4	50 VL			
		FUTURE JETm 1B-ST	12.5 μF- 4	50 VL			
		FUTURE JETm 1A-ST	14 μF - 4.				
		FUTURE JETm 2C-ST	20 μF - 4				
		FUTURE JETm 2B-ST	25 μF - 4				
		FUTURE JETm 2A-ST	25 μF - 4.	50 VL			

9 ELECTRIC MOTOR

FUTURE JETm-ST: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding. **FUTURE JET-ST**: three-phase 230/400 V - 50 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)

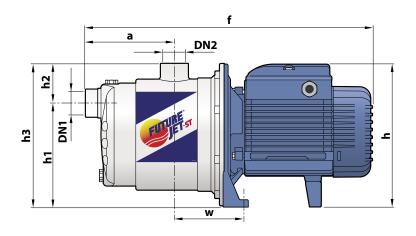
Insulation: class FProtection: IP X4

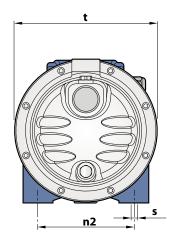




Self-priming "JET" pumps

DIMENSIONS AND WEIGHT





МО	DEL	РО	RTS				D	IMENS	IONS m	m				k	ιg
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	t	n2	w	s	1~	3~
FUTURE JETm 1C-ST	FUTURE JET 1C-ST													6.9	7.0
FUTURE JETm 1B-ST	FUTURE JET 1B-ST	1"	1"	113	367	183	132	51	183	182	120	87	9	6.9	6.9
FUTURE JETm 1A-ST	FUTURE JET 1A-ST													7.6	6.9
FUTURE JETm 2C-ST	FUTURE JET 2C-ST													10.2	10.0
FUTURE JETm 2B-ST	FUTURE JET 2B-ST	1"	1"	111	393	217 *	162	46	208	208	142	91	10	11.1	11.0
FUTURE JETm 2A-ST	FUTURE JET 2A-ST	1												11.8	11.1

^(*) h=236 mm for single-phase version at 110 V

ELECTRICAL INPUTS

MODEL	VOLTAGE				
Single-phase	230 V	240 V			
FUTURE JETm 1C-ST	2.6 A	2.5 A			
FUTURE JETm 1B-ST	3.2 A	3.1 A			
FUTURE JETm 1A-ST	4.0 A	3.9 A			
FUTURE JETm 2C-ST	5.0 A	4.8 A			
FUTURE JETm 2B-ST	5.8 A	5.7 A			
FUTURE JETm2A-ST	6.6 A	6.5 A			

MODEL			VOL	TAGE		
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
FUTURE JET ST 1C	1.7 A	1.0 A	0.6 A	1.7 A	1.0 A	0.6 A
FUTURE JET ST 1B	2.1 A	1.2 A	0.7 A	2.1 A	1.2 A	0.7 A
FUTURE JET ST 1A	2.8 A	1.6 A	0.9 A	2.8 A	1.6 A	0.9 A
FUTURE JET ST 2C	3.5 A	2.0 A	1.2 A	3.4 A	1.9 A	1.1 A
FUTURE JET ST 2B	4.6 A	2.7 A	1.6 A	4.5 A	2.6 A	1.5 A
FUTURE JET ST 2A	5.1 A	3.0 A	1.7 A	4.9 A	2.8 A	1.7 A

PALLETIZATION

M	GROUPAGE	
Single-phase	Three-phase	n° pumps
FUTURE JETm 1C-ST	FUTURE JET 1C-ST	84
FUTURE JETm 1B-ST	FUTURE JET 1B-ST	84
FUTURE JETm 1A-ST	FUTURE JET 1A-ST	84
FUTURE JETm 2C-ST	FUTURE JET 2C-ST	60
FUTURE JETm 2B-ST	FUTURE JET 2B-ST	60
FUTURE JETm2A-ST	FUTURE JET 2A-ST	60