

EDROUO



# THE SELF-PRIMING JET PUMP OF THE FUTURE!



# **MADE IN ITALY**





## THE SELF-PRIMING JET PUMP OF THE FUTURE!

Reduction of energy consumption by up to 50%

## FROM AN EVOLUTION OF THE CLASSIC JET CONCEPT, A SUPER JET WAS BORN.

Stainless steel pump body and impeller Better consumption/ performance ratio High hydraulic efficiency Noise reduction

CLEAN WATER

COMMERCIAL

RESIDENTIAL

#### INSTALLATION AND USE

Developed by our innovative research and development team, this pump revolutionizes the classic self-priming design.

With an international registered patent, the **FUTURE JET-ST** not only matches the pressure of a traditional JET pump, it surpasses it. Moreover, it doubles the flow rate while reducing energy consumption by up to 50%.

**FUTURE JET-ST** self-priming pumps are designed to draw water and liquids that contain air.

They are reliable and easy to operate. They are a favorite for domestic use, particularly effective for water distribution with small to medium-sized pressure tanks and suitable for irrigation.

PERFORMANCE RANGE									
Max. Flow	<b>31.7 GPM (</b> 120 l/min)								
Max. Head	<b>164 ft. (</b> 50 m)								
APPLICATION LIMITS									
Manometric Suction Lift	<b>29.5 ft.</b> (8 m)								
Liquid Temp.	<b>14°F - 104°F (</b> -10°C - 40°C)								
Ambient Temp. (up to)	<b>104°F (</b> 40°C)								
Max. Working Pressure	<b>87 PSI</b> (6 bar)								
Continuous Duty Rating	S1								

#### OPTIONS AVAILABLE ON REQUEST

- Other Voltages or frequencies
- Pumps with impeller in Technopolymer

#### **PATENTS**

- FUTURE JET<sup>®</sup> Registered Trade mark No. 018198453
- European Patent No. 1 510 696
- Patent No. PCT/IT2019/050168

#### CERTIFICATIONS









60 Hz

#### CURVES AND PERFORMANCE DATA



FLOW RATE (GPM)

MODEL	МОТО	OR SIZE												
SINGLE-PHASE	kW	HP	GPM	0	1.3	2.6	5.3	10.6	15.8	21.1	23.8	25.1	26.4	31.7
FUTURE JETm 1A-ST	0.55	0.75	HEAD (FT.)	157.5	144.4	133.2	113.2	82.7	61.4	44.9	37.4	33.5	29.5	-
FUTURE JETm 2C-ST	0.75	1.00		164.0	154.2	143.7	125.6	95.1	72.2	53.1	44.3	40.3	36.1	19.7

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

## **CONSTRUCTION FEATURES**

#	COMPONENT	CHARACTERISTICS									
1	PUMP BODY	Stainless steel AISI 304, provided with ISO 228/1 threaded ports									
2	COVER	Stainless steel AISI 304	Stainless steel AISI 304								
3	EJECTOR UNIT	Noryl™	NoryI <sup>™</sup>								
4	IMPELLER	Stainless steel AISI 304									
5	MECHANICAL SEAL	PUMP	SEAL	SHAFT	MATERIALS						
		FUTURE JET 1A	AR-12	0.4 in.	Ceramic	Graphite	NBR				
		FUTURE JET 2C	AR-14	0.6 in.	Ceramic	Graphite	NBR				
6	MOTOR SHAFT	Stainless steel AISI 431									
7	ELECTRIC MOTOR	Single-phase 115 V - 60 • Continuous running • Insulation: Class F • Protection: IP X4	) Hz, 230 V - 60 duty: <b>S1</b>	Hz or 115/230 V	- 60 Hz with winding i	ntegrated thermal motor	protection.				







### **DIMENSIONS AND WEIGHT**



MODEL NUMBER	PC	ORTS		DIMENSIONS (IN.)									LBS.		
Single-phase	IN	OUT	а	f	h		h1	h2	h2	2			6	~1	
Single-phase		001		1	115V	230V	115/230V		112	115	112	Ľ	vv	3	~1
FUTURE JETm 1A-ST	NPT	NPT	4.4	14.4	7.2	7.2	8.3	5.2	2.0	7.2	4.7	7.2	3.4	0.4	17.1
FUTURE JETm 2C-ST	1 in.	1 in.	4.4	15.5	9.3	8.5	9.6	6.4	1.8	8.2	5.6	5.6	3.6	0.4	23.1

### **ABSORPTION**

MODEL	VOL	TAGE	MODEL	VOL	AGE
Single-phase	115 V	230 V	Single-phase	115 V	230 V
FUTURE JETm 1A-ST	8.5 A	4.3 A	FUTURE JETm 2C-ST	10.0 A	5.0 A















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