

-  Clean water
-  Domestic use
-  Civil use

※ Reduction of energy consumption by up to 50%



## From an evolution of the classic JET concept, a SUPER JET was born.

- ※ High hydraulic efficiency
- ※ Better consumption/performance ratio
- ※ Reducing turbulence
- ※ Noise reduction

### PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 m<sup>3</sup>/h)
- Head up to **59 m**

### FUTURE JET

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

With an international registered patent, the **FUTURE JET** 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%.

### INSTALLATION AND USE

**FUTURE JET** 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.

### APPLICATION LIMITS

- Manometric suction head up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Maximum working pressure:
  - **6 bar** for FUTURE JET 1
  - **7 bar** for FUTURE JET 2

### AVAILABLE UPON REQUEST

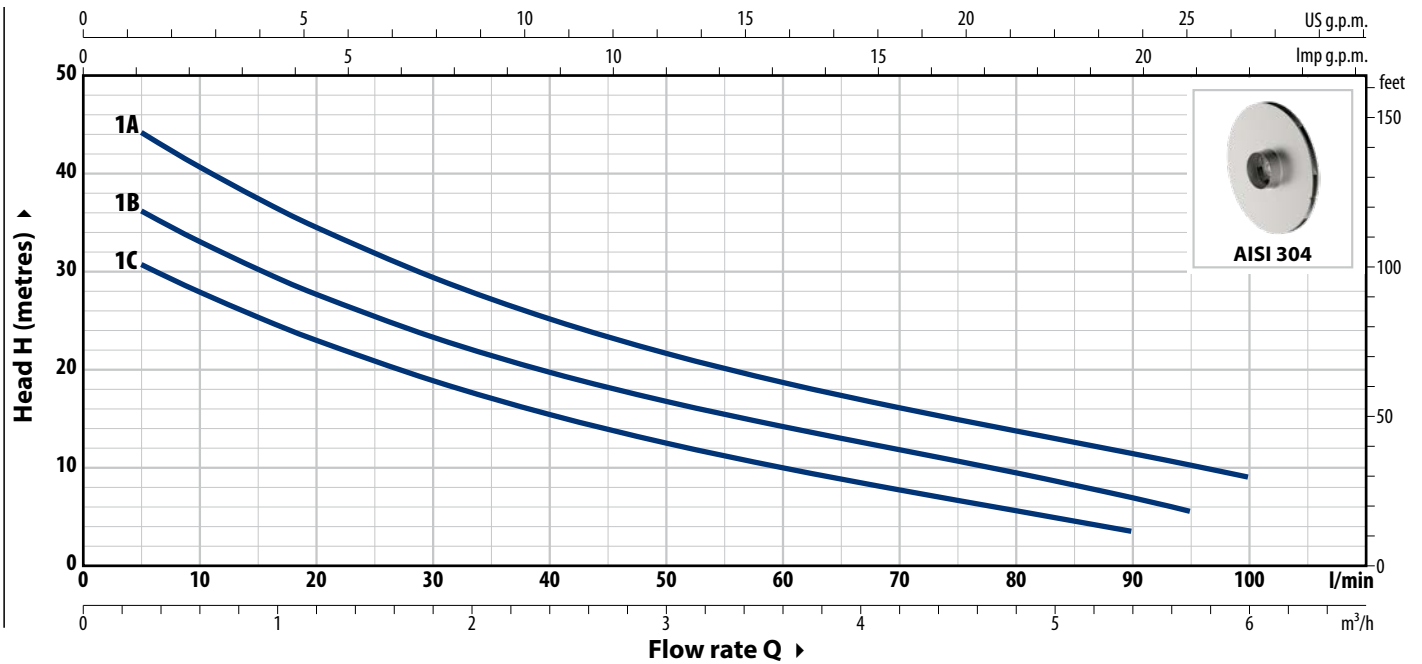
- ※ Technopolymer impeller (cost-effective version)
- ※ Different voltage or frequency

### PATENTS - TRADE MARKS - MODELS

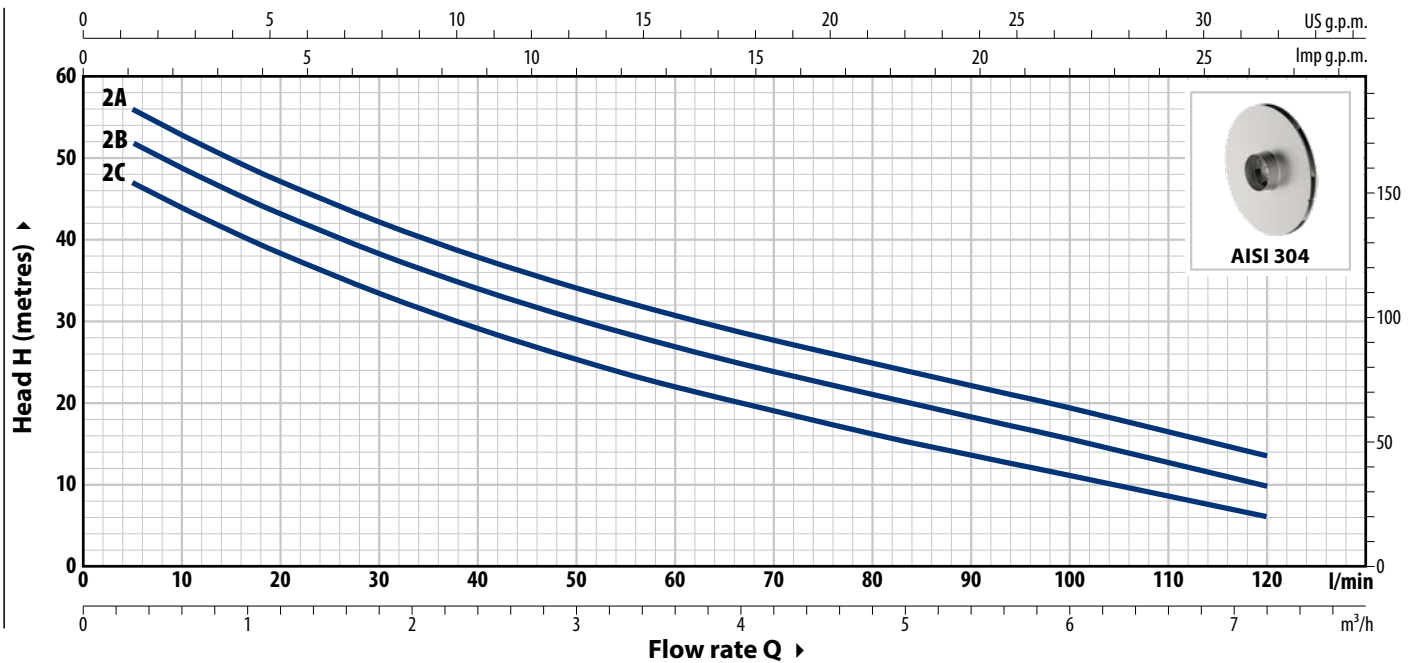
- FUTURE JET® Registered Trade mark No. 018198453
- Registered Community Model No. 002218610
- European Patent No. 1 510 696
- Patent No. PCT/IT2019/050168

**CURVES AND PERFORMANCE DATA – HS=0 m**

**60 Hz**



TYPE		POWER (P <sub>2</sub> )		3~	Q											
Single-phase	Three-phase	kW	HP			m <sup>3</sup> /h	0	0.3	0.6	1.2	2.4	3.6	4.8	5.4	5.7	6.0
FUTURE JETm 1C	FUTURE JET 1C	0.37	0.50	IE2	H m	0	5	10	20	40	60	80	90	95	100	
FUTURE JETm 1B	FUTURE JET 1B	0.48	0.65			33.5	30.5	28	23	15.4	10	6	3.5			
FUTURE JETm 1A	FUTURE JET 1A	0.55	0.75			IE3	40	36	33	27.6	19.7	14.2	9.5	7	5.5	
						48	44	40.6	34.5	25.2	18.7	13.7	11.4	10.2	9	



TYPE		POWER (P <sub>2</sub> )		3~	Q											
Single-phase	Three-phase	kW	HP			m <sup>3</sup> /h	0	0.3	0.6	1.2	2.4	3.6	4.8	5.4	6.0	7.2
FUTURE JETm 2C	FUTURE JET 2C	0.75	1	IE3	H m	0	5	10	20	40	60	80	90	100	120	
FUTURE JETm 2B	FUTURE JET 2B	0.90	1.25			50	47	43.8	38.3	29	22	16.2	13.5	11	6	
FUTURE JETm 2A	FUTURE JET 2A	1.1	1.5			55	52	49	43	34	27	20.5	18.3	15.5	10	
						59	56	53	47	38	32	25	22.3	19.5	13.7	

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

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

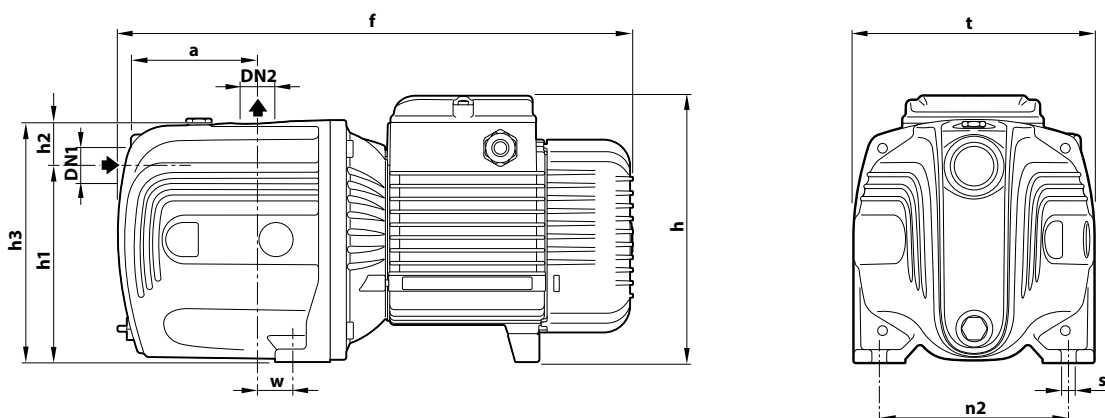
# FUTURE JET®

## ABSORPTION

TYPE	VOLTAGE	
	220 V	
Single-phase	220 V	
FUTURE JETm 1C	3.0 A	
FUTURE JETm 1B	3.5 A	
FUTURE JETm 1A	4.0 A	
FUTURE JETm 2C	5.0 A	
FUTURE JETm 2B	6.3 A	
FUTURE JETm 2A	7.0 A	

TYPE	VOLTAGE	
	220 V - Δ	380 V - 人
Three-phase	220 V - Δ	380 V - 人
FUTURE JET 1C	2.0 A	1.15 A
FUTURE JET 1B	2.3 A	1.3 A
FUTURE JET 1A	3.1 A	1.8 A
FUTURE JET 2C	3.6 A	2.1 A
FUTURE JET 2B	5.6 A	2.7 A
FUTURE JET 2A	5.2 A	3.0 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~
FUTURE JETm 1C	FUTURE JET 1C	1"	1"	94	357	173	127	35	162	158	124	24	10	9.7	9.7
FUTURE JETm 1B	FUTURE JET 1B													9.8	9.8
FUTURE JETm 1A	FUTURE JET 1A													10.7	10.0
FUTURE JETm 2C	FUTURE JET 2C			96	391	201*	147	33	180	180	142	22	10	13.4	13.4
FUTURE JETm 2B	FUTURE JET 2B													14.5	14.5
FUTURE JETm 2A	FUTURE JET 2A													15.5	14.5

(\*) h=220 mm for single-phase 110 V versions

## PALLET CAPACITY

TYPE		NO. OF PUMPS
Single-phase	Three-phase	
FUTURE JETm 1C	FUTURE JET 1C	98
FUTURE JETm 1B	FUTURE JET 1B	98
FUTURE JETm 1A	FUTURE JET 1A	98
FUTURE JETm 2C	FUTURE JET 2C	72
FUTURE JETm 2B	FUTURE JET 2B	72
FUTURE JETm 2A	FUTURE JET 2A	72

## MATERIALS AND COMPONENTS

<b>1 Pump body</b>	FUTURE JET 1: cast iron with cataphoretic treatment, provided with ISO 228/1 threaded ports FUTURE JET 2: cast iron with ISO 228/1 threaded ports start of production with new design 07.2024			
<b>2 Cover</b>	Stainless steel <b>AISI 304</b>			
<b>3 Ejector unit</b>	Noryl™			
<b>4 Impeller</b>	Stainless steel <b>AISI 304</b>			
<b>5 Mechanical seal</b>	Water pump	Seal	Shaft	Materials
	FUTURE JET 1	<b>AR-12</b>	Ø 12 mm	Ceramic / Graphite / NBR
	FUTURE JET 2	<b>AR-14</b>	Ø 14 mm	Ceramic / Graphite / NBR
<b>6 Motor shaft</b>	Stainless steel <b>AISI 431</b>			
<b>7 Electric motor</b>	<b>FUTURE JETm:</b> single-phase 220 V - 60 Hz with winding integrated thermal motor protection <b>FUTURE JET:</b> three-phase 220/380 V - 60 Hz – The three-phase pumps are fitted with high performance motors up to P2=0.48 kW in class IE2 and from P2=0.55 kW in class IE3 (IEC 60034-30-1) – Continuous running duty <b>S1</b> – Insulation: CLASS F – Protection rating: IP X4			



## EXAMPLES OF INSTALLATION

