

Liquid-ring self priming stainless steel pump



Flow rate up to 240 lt/min

Head up to 60 mt

Operating temperature max 110°C

Operating pressure max 7 bar

Motors from 0.3 HP to 6 HP - 1400/2800 RPM

Entirely made of AISI 304/316 high thickness stainless steel

Suitable for aggressive liquids

Self-priming pump

Liquid-ring self priming pump able to handle liquids with dissolved gases and to operate at a depth of up to 6 metres

Variable flow rate

The PAS series pumps are fitted with an internal bypass, which can be adjusted to partly reduce the flow rate

Reduced speed

Some models are supplied with a 1400 RPM motor, which ensures a softer and more gentle pumping action



High thickness pump casing

High thickness steel (3mm) which ensures a higher mechanical and corrosion resistance, and therefore a longer life

Flammable liquids

For handling flammable liquids, explosion proof motors compliant with Atex standards are supplied

Flow reversibility

On request, a motor that can reverse its direction of rotation is supplied, to ensure full flow reversibility

Stainless steel impeller

The impeller is made from microcasting of AISI 304 or 316 stainless steel. Its shape has been optimised to ensure a high hydraulic efficiency



Internal suction filter

The PAS series pumps are the only pumps fitted with an internal filter that allows any impurity in the fluid to be collected. The filter can be easily removed to carry out inspection and cleaning operations

Greater safety

To ensure a greater safety, the pumps with Atex motors are fitted only with motors certified to operate in more hazardous environments (zone 2 category 2G), although the pump is classified for zone 2 category 3G



The PAS series pumps have the following features:

- Priming at a depth of up to 5 m with the pump filled
- Flow reversibility available on request
- Suction filter fitted to collect any impurity that may be present in the liquid
- Suitable for handling aggressive liquids
- Fitted with a bypass to partly adjust the flow rate/head
- High thickness steel (3mm) which ensures a higher mechanical and corrosion resistance, and therefore a longer life
- High hydraulic efficiency
- Explosion proof motors can be provided to pump flammable liquids
- Microcast impeller from AISI 304/306 stainless steel
- Mechanical seal with NBR, FPM or PTFE elastomers

Their resistance to chemical aggression makes them suitable for the **chemical, pharmaceutical** and **textile** industry, while their versatility makes them suitable for the **wine-food** industry.

On request, pumps can be supplied on a stainless steel carriage fitted with a switch/rotation direction inverter.

The pumps can also be supplied with DIN 11851, Garolla or Macon fittings.

Technical Specifications

MOD	MOTOR			FLOW RATE [lt/min] ± 5%														Ø PORTS		
	HP	RPM	TYPE	0 mt	5 mt	10 mt	12 mt	15 mt	20 mt	22 mt	25 mt	30 mt	35 mt	40 mt	45 mt	50 mt	55 mt		60 mt	
A-110	0.3	1400	Single-phase	44	28	13	7	-	-	-	-	-	-	-	-	-	-	-	-	Ø 1" gas male thread
	0.5	1400	Three-phase	44	28	13	7	-	-	-	-	-	-	-	-	-	-	-	-	
	0.5	2800	Single-phase	76	64	53	49	42	30	-	-	-	-	-	-	-	-	-	-	
	0.75	2800	Three-phase	79	68	57	53	47	36	32	25	15	-	-	-	-	-	-	-	
A-130	0.75	1400	Three-phase	79	67	53	46	35	5	-	-	-	-	-	-	-	-	-	-	Ø 1 ¼" gas male thread
	1.5	2800	Single-phase	115	102	88	81	71	50	-	-	-	-	-	-	-	-	-	-	
	2	2800	Three-phase	124	114	104	100	94	83	79	72	62	51	-	-	-	-	-	-	
	2.5	2800	Three-phase	129	120	110	106	100	90	86	80	69	58	47	35	-	-	-	-	
A-150	2.5	1400	Three-phase	136	121	102	93	76	34	9	-	-	-	-	-	-	-	-	-	Ø 1 ½" gas male thread
	4.5	2800	Three-phase	245	231	217	211	202	187	181	172	156	140	-	-	-	-	-	-	
	6	2800	Three-phase	241	229	217	212	204	190	185	176	161	144	127	107	86	60	29	-	

