

X-POWER



The AP - DN50 In-Line pump

AP
High-prevalence in-line electric pumps

AP-DN50 electric pumps in line

MODELS

AP 50-280-8

Max height 8 meters

AP 50-280-16

Max height 16 meters

AP 50-280-20

Max height 20 meters



DESCRIPTION

The AP50 is a model of the DN50 flanged electric pump series. They are ideal for heating, circulation systems, cooling and solar systems. Suitable for both hot and cold water, the Ap X-power pumps are designed to be installed in line, in civil and industrial systems. They are studied for continuous use (h24).

Materials

Pump structure: cast iron treated with electrophoresis

Pumping body: abrasion-resistant spheroidal cast iron

Hydraulic coating: in Enamel

Impeller: in technopolymer loaded with fiberglass

Motor casing: in die-cast aluminum

Crankshaft: in Aisi304 ceramic

Pump casing: stainless steel

Mechanical seal: silicon carbide/graphite

Bearings: NSK

Hydraulic characteristics

Maximum flow: 24 m³/ hours (AP50-280 / 20)

Maximum height: 20 meters

Liquid temperature: up to +100

Pumped liquid: chemically neutral, clean and free of solids in suspension

Max percentage of glycol: 28%

Maximum working pressure: 10 Bar

Negative suction head: 7 meters

AP-DN50 electric pumps in line

Electrical characteristics

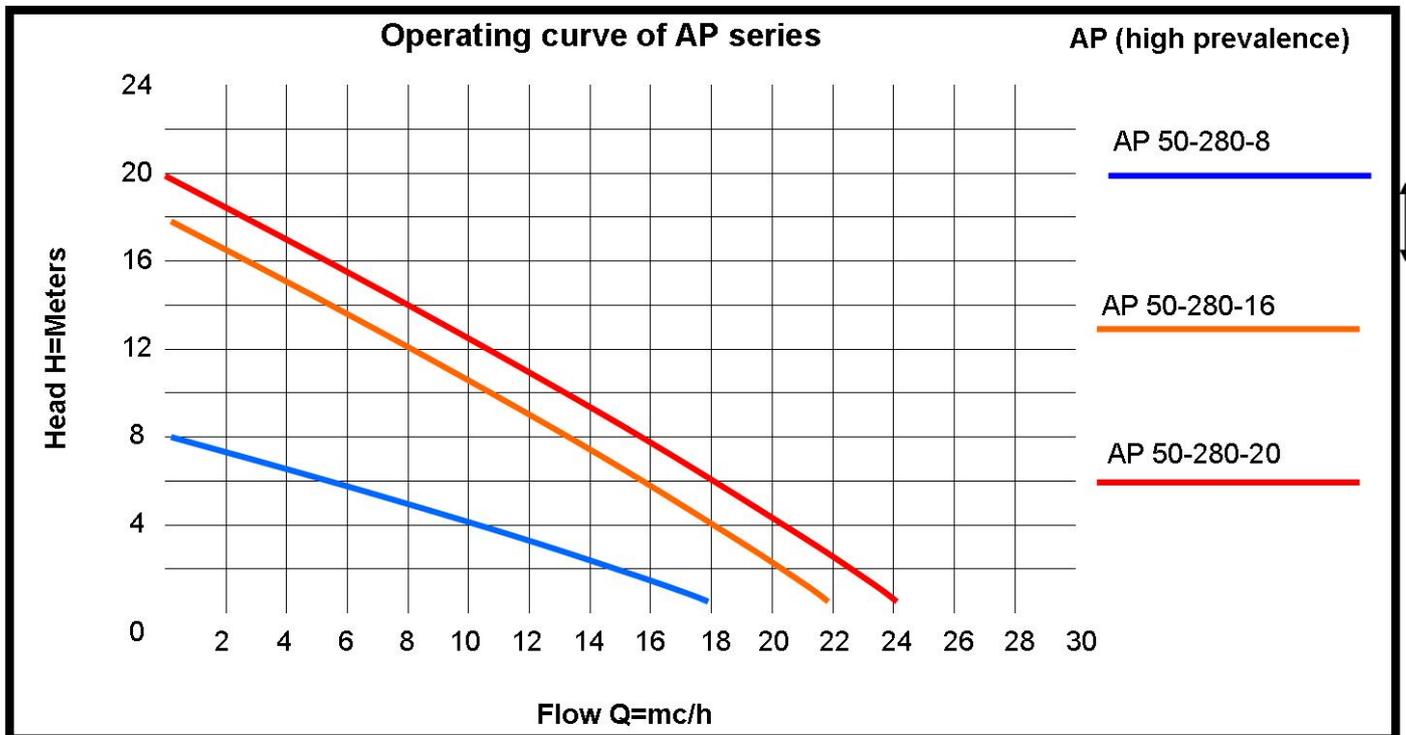
220Vac power supply

Protection class: IP55

Insulation class: F

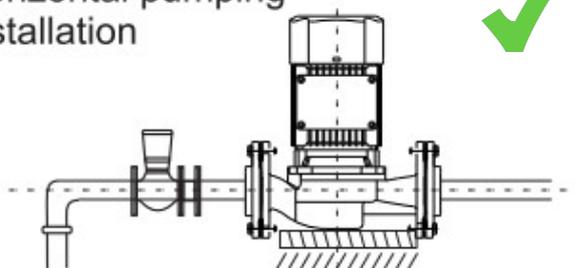
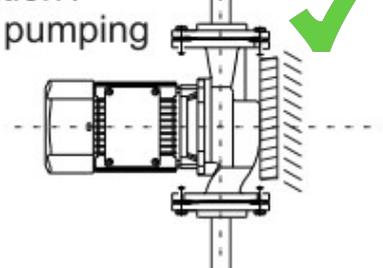
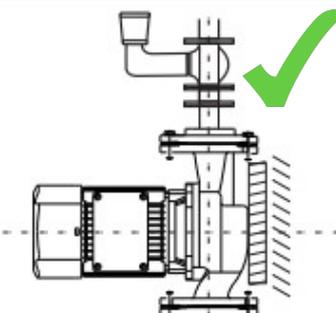
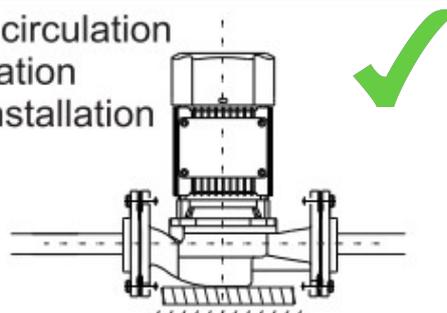
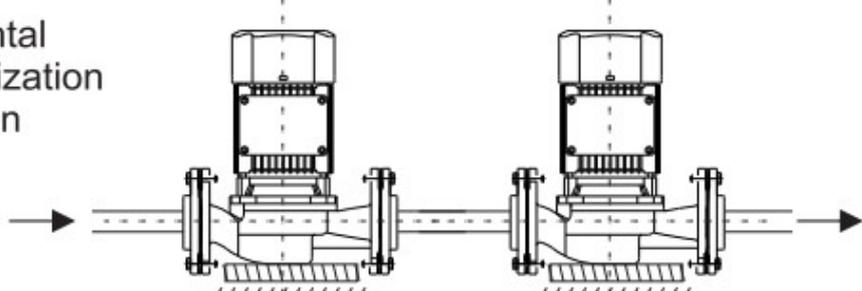
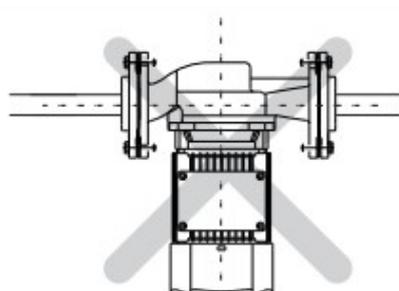
HYDRAULIC PERFORMANCE SINGLE PHASE VERSIONS

MODEL 1x230	Power		Flow rate		Head & Flow						
			Flow:	L/min'	0	167	233	300	333	367	400
	kW	HP		m3/ora	0	10	14	18	20	22	24
AP 50-280-8	0,37	0,50	Height = Meters correspondence Meters in bar (1 m = 0.1 Bar) (5 m = 0.5 Bar) (10m = 1.0 Bar)	8	4	2	1	-	-	-	
AP 50-280-16	0,55	0,75		16	11	8	4	2	1	-	
AP 50-280-20	0,85	1,10		20	12	10	8	4	2	1	



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INSTALLATION POSITION

<p>Horizontal pumping installation</p> 	<p>Vertical circulation / pressurization pumping installation</p> 
<p>Vertical pumping installation</p> 	<p>Horizontal circulation / pressurization pumping installation</p> 
<p>Multi-stage horizontal circulation pressurization pumping installation</p> 	
<p>It is forbidden to set vertical inverse direction</p> 	



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