

# AR-35PTP

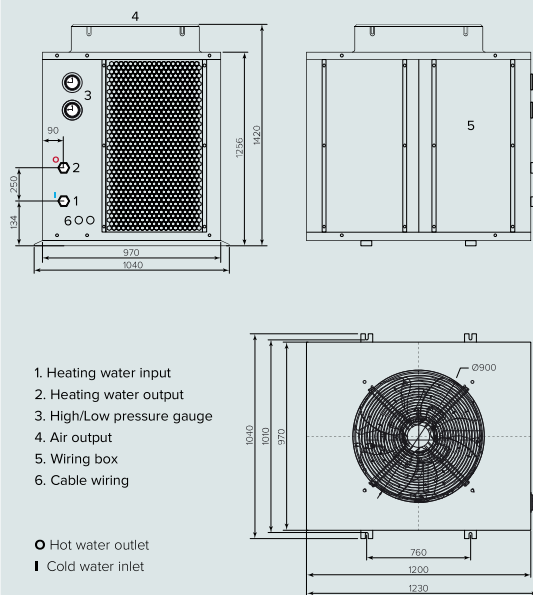


## DESCRIPTION

- Compact air/water heat pump for outside installation.
- With suction gas cooled rotary compressor.
- With extensive epoxy coated hydrophilic aluminum/rifled Cu lamellar tube evaporator and anti-corrosion coated coaxial condenser.
- Axial fan.
- Refrigerant cycle with thermostatic expansion valve.
- Filter, gas-liquid separator, high and low pressure switches.
- With efficient automatic defrosting by hot gas principle.
- Electric and terminal box. With control and Disturbance signaling.
- Heating regulator for mounting to the wall.
- Filled with refrigerant R417a.

## TECHNICAL DATA

## AR-35PTP



Voltage	V	380
Phase		three phase
Frequency	Hz	50
Heating capacity*	kW	45,30
Rated power input*	kW	11,27
Maximum current	A	29
Heating water capacity	L/H	970
COP*		4,02
Refrigerant		R417 A
Refrigerant charge	g	3700x2
Compressor		
Type		Rotary
Brand		Highly
Quantity		21
Condenser		Single wall tube in tube
Circulation pump		-
Rated water flow rate	m <sup>3</sup> /h	8,00
Pressure Drop	Kpa	75
Circulation pump pressure head	m	-
Max. water temperature	°C	60
Operation temp. range	°C	-10 ~ 45
Noise	dB(A)	≤62
Connection	inch	G1-1/4"
Weight	Kg	290
Index protection		IPX4
Insulation class		1
Dimension	mm	1230x1040x1420

\*at ambient temp. 30°C/60%h, inlet 25° C and outlet 55° C

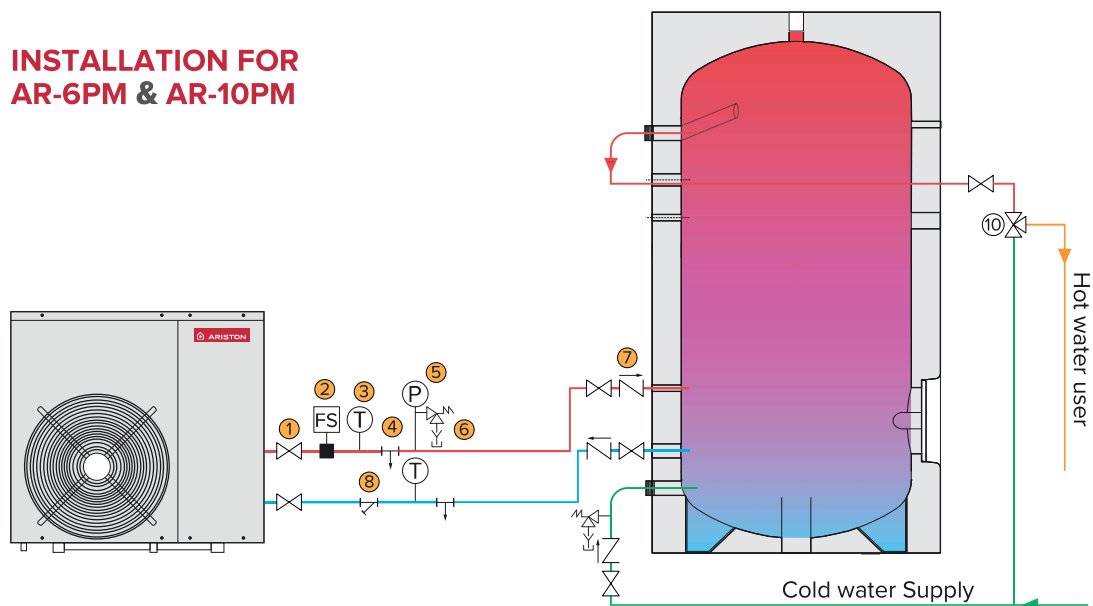
## CODE

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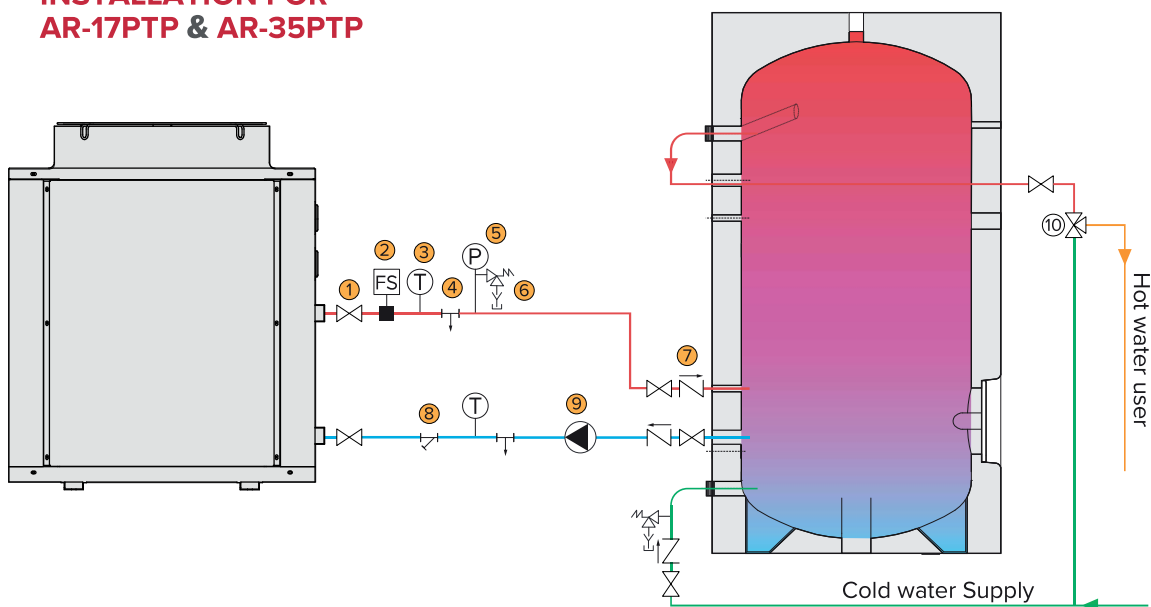
**Dual compressor,  
for a big capacity  
needs of hot water  
rapidly.**

# INSTALLATION GUIDE

## INSTALLATION FOR AR-6PM & AR-10PM



## INSTALLATION FOR AR-17PTP & AR-35PTP



### Legenda:

- |                         |                |
|-------------------------|----------------|
| ① Ball valve            | ⑥ Safety valve |
| ② Flow switch           | ⑦ Check valve  |
| ③ Thermostat            | ⑧ Y Strain     |
| ④ Drain & Filling valve | ⑨ Pump         |
| ⑤ Pressure gauge        |                |