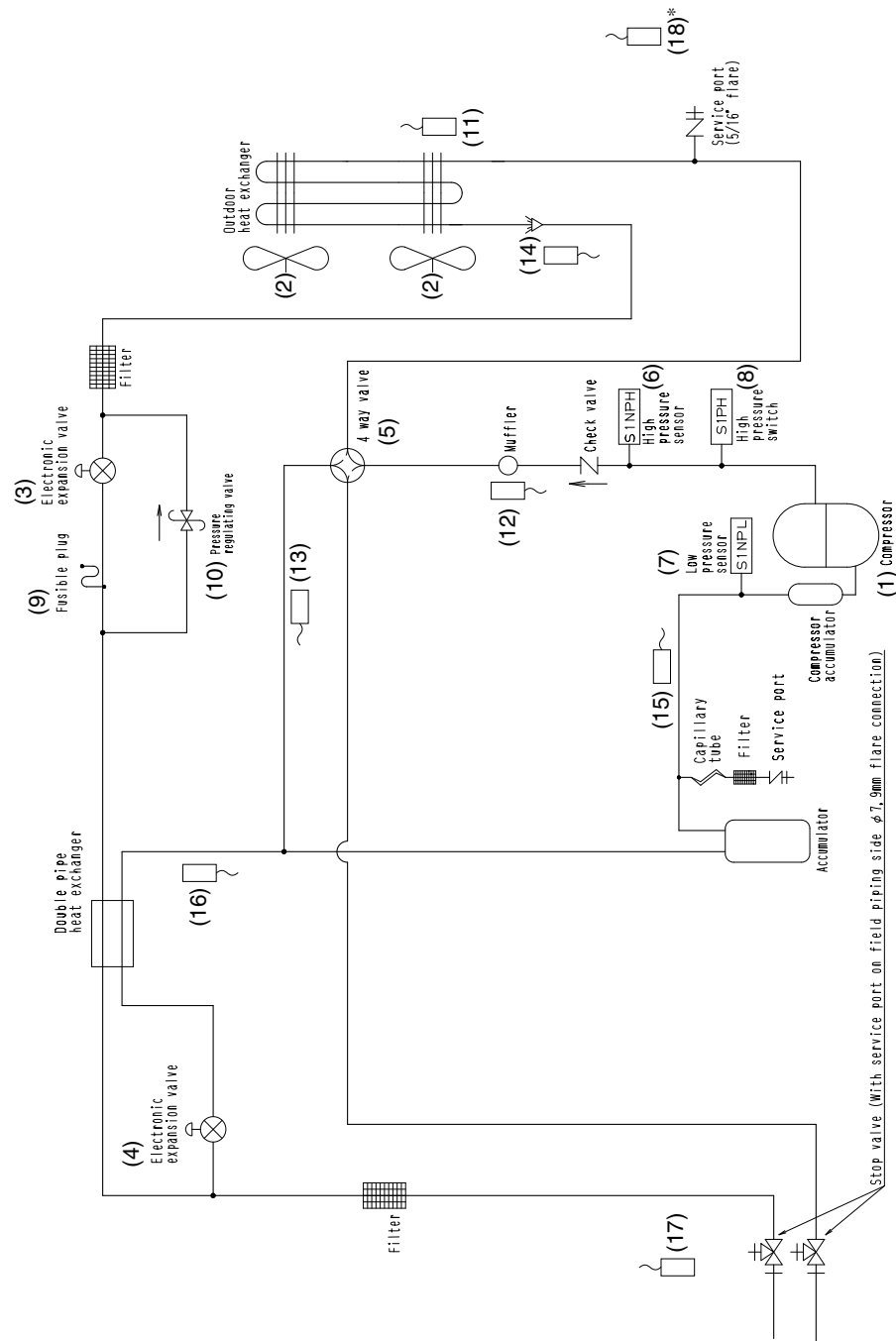


■ RXYMQ6AVE, RXYMQ6AV4A

No. in piping diagram	Symbol	Name	Function
(1)	M1C	Inverter compressor	Inverter compressor is operated on frequencies between 36 Hz and 195 Hz by using the inverter.
(2)	M1F M2F	Inverter fan	Since the system is of air heat exchanging type, the fan is operated at 8-step rotation speed by using the inverter.
(3)	Y1E	Electronic expansion valve (Main)	While in heating operation, PI control is applied to keep the outlet superheated degree of air heat exchanger constant.
(4)	Y3E	Electronic expansion valve (Subcooling)	PI control is applied to keep the outlet superheated degree of subcooling heat exchanger constant.
(5)	Y1S	Four way valve	Used to switch the operation mode between cooling and heating.
(6)	S1NPH	High pressure sensor	Used to detect high pressure.
(7)	S1NPL	Low pressure sensor	Used to detect low pressure.
(8)	S1PH	High pressure switch	In order to prevent the increase of high pressure when an error occurs, this switch is activated at high pressure of 4.0 MPa or more to stop the compressor operation.
(9)	—	Fusible plug	In order to prevent the increase of pressure when abnormal heating is caused by fire or others, the fusible part of the plug is molten at a temperature of 70 to 75°C to release the pressure into the atmosphere.
(10)	—	Pressure regulating valve (Receiver to discharge pipe)	This valve opens at a pressure of 4.0 MPa for prevention of pressure increase, thus resulting in no damage of functional parts due to the increase of pressure in transportation or storage.
(11)	R1T	Thermistor (Outdoor air: Ta)	Used to detect outdoor air temperature, correct discharge pipe temperature, and for other purposes.
(12)	R2T	Thermistor (Discharge pipe: Tdi)	Used to detect discharge pipe temperature, make the temperature protection control of compressor, and for other purposes.
(13)	R3T	Thermistor (Suction pipe 1: Ts1)	Used to detect suction pipe temperature, keep the suction superheated degree constant in heating operation, and for other purposes.
(14)	R4T	Thermistor (Heat exchanger deicer: Tb)	Used to detect liquid pipe temperature of air heat exchanger, determine defrost operation, and for other purposes.
(15)	R5T	Thermistor (Suction pipe 2: Ts2)	Used for calculation of internal temperature of compressor etc.
(16)	R6T	Thermistor (Subcooling heat exchanger gas pipe: Tsh)	Used to control subcooling electronic expansion valve.
(17)	R7T	Thermistor (Liquid pipe: TI)	Used to detect refrigerant overcharge in check operation, and other purposes.
(18)	R10T	Thermistor (Radiation fin)	• Used for outdoor unit fan speed control. • Used for inverter radiation fin temperature control. • Used for pressure difference control.



* The radiation fin thermistor (18) is located near the electrical component box.
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