AUTOMATIC CONTROLS

S/JGInoMIY/J

RESIDENTIAL & COMMERCIAL AIR CONDITIONER



Type UKV

ELECTRONIC EXPANSION VALVES

Max. working press.: 4.2MPa Capacity: 2.9 to 8.2 U.S.R.T. (R22) 2.3 to 6.4 U.S.R.T. (R134a) 2.1 to 5.8 U.S.R.T. (R404A) 3.0 to 8.4 U.S.R.T. (R407C) 3.4 to 9.6 U.S.R.T. (R410A)

Fluid temp.: -30 to 70°C Power supply: 12V.DC



EXPANSION VALVES Max. allowable press.: 3.0MPa Capacity: 3.25 to 14.4 U.S.R.T. (R22) Refrigerant: R22, R134a, R404A, R407C, R410A



EXPANSION VALVES Max. allowable press.: 3.0MPa Capacity: 0.22 to 4.69 U.S.R.T. (R22) Refrigerant: R22, R134a, R404A, R407C, R410A



EXPANSION VALVES

Max. allowable press.: 1.4 to 3.3MPa Capacity: 1.0 to 81 U.S.R.T. (R22) Refrigerant:R22,R134a,R404A,R407C,R410A



EXPANSION VALVES

Max. allowable press.: 3.3MPa Capacity: 0.8 to 2.4 U.S.R.T. (R22) Refrigerant: R22,R134a,R404A,R407C



Type NEV/VPV/TEV

SMALL SOLENOID VALVES for refrigerant

Max. working press.: 3.3, 4.15MPa Connections: 1/4" to 1/2" Operating press. differential: 0 to 3.6MPa

Fluid temp.: -30 to 120°C Ambient temp.: -20 to 50°C Cv value: 0.037 to 3.0



SOLENOID VALVES for Refrigerant Max. working press.: 2.94, 4.2MPa Connection: 1/4" to 3-1/2"



SOLENOID VALVES for Dehumidifying Function

Max. working press.: 4.2MPa Type: Normal-Open



BI-FLOW SOLENOID VALVES Max. working press.: 3, 4.2MPa Connection: 3/8" to 1-1/2"



PRESSURE REGULATING VALVES Max. working press.: 2.9MPa Connection: 7.94(I.D.)



Type STF

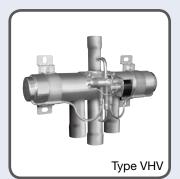
4-WAY REVERSING VALVES

Max. working press.: 4.15, 4.2MPa Capacity:

0.46 to 55.5 U.S.R.T. (R22) 0.34 to 42.7 U.S.R.T. (R134a) 0.46 to 55.5 U.S.R.T. (R407C) 0.51 to 64.0 U.S.R.T. (R410A)

Operating press. differential: 0.3 to 3.1MPa

Fluid temp.: -20 to 120° C, -20 to 130° C



4-WAY REVERSING VALVES Max. working press.: 4.15MPa Capacity: 65.4 to 102 U.S.R.T. (R410A)



PRESSURE ACTUATED WATER REGULATING VALVES Max. working press.: 1.96, 4.2MPa Connection: 3/8" to 2-1/2"

RESIDENTIAL & COMMERCIAL AIR CONDITIONER



CHECK VALVES
Max. working press.: 3 to 4.15MPa
Connection: 1/4" to 1"



PACKLESS VALVES Max. working press.: 2.94, 3.53MPa Connection: 1/4" to 3/4"



PACKLESS VALVES Max. working press.: 3.6MPa Connection: 1/4" to 7/8"



DRAIN PUMPS Pump head: 200 to 1125mm Rated voltage: 220 to 240V.AC



Type ACB/LCB

SMALL PRESSURE CONTROLS

(DISC TYPE) Range: 0.7 to 4.5MPa 0.1 to 0.7MPa

Contact function: SPST, SPDT Electrical ratings: 250V.AC 1 to 4A

Press. connections: 1/4" flare, 1/4" solder, etc.



SINGLE FUNCTION PRESSURE CONTROLS (BELLOWS TYPE) Range: -0.06 to 3.5MPa



DUAL PRESSURE CONTROLS (BELLOWS TYPE) Range: High 0.8 to 3MPa Low -0.06 to 0.6MPa



DIFF. PRESSURE CONTROLS Range of press. diff.: 0.03 to 0.35MPa



PRESSURE SENSORS Range: -0.05 to 1MPa 0 to 5MPa, etc. Output: 4 to 20mA



Type NSK

PRESSURE SENSORS



TEMPERATURE CONTROLS Range: -45 to 150°C



CONDENSER FAN SPEED CONTROLLERS (SINGLE PHASE) Range: 0.8 to 3.9MPa



CONDENSER FAN SPEED CONTROLLERS (SINGLE PHASE) Range: 1 to 3.9MPa



DEFROST CONTROLS Range: -5 to 10°C

COMMERCIAL REFRIGERATION



Type SCX

EXPANSION VALVES

Max. allowable press.: 3.0MPa Capacity: 3.25 to 14.4 U.S.R.T. (R22) 4.76 to 11.8 U.S.R.T. (R134a) 1.92 to 9.06 U.S.R.T. (R404A) 5.95 to 14.8 U.S.R.T. (R407C) 6.38 to 15.8 U.S.R.T. (R410A)

Equalizer: External

Refrigerant: R22,R134a,R404A. R407C,R410A

Connection: 1/2"× 5/8", 5/8"× 7/8"



Type QCX/RCX

EXPANSION VALVES

Max. allowable press.: 3.0MPa Capacity: 0.22 to 4.69 U.S.R.T. (R22) 0.24 to 3.64 U.S.R.T. (R134a) 0.13 to 2.96 U.S.R.T. (R404A) 0.32 to 4.83 U.S.R.T. (R407C) 0.35 to 5.18 U.S.R.T. (R410A)

Equalizer: Internal/ External Refrigerant: R22.R134a.R404A. R407C,R410A

Connection: 3/8"× 1/2"



EXPANSION VALVES

Max. allowable press.: 1.4 to 3.3MPa Capacity: 1.0 to 81 U.S.R.T. (R22) Refrigerant:R22,R134a,R404A,R407C,R410A



EXPANSION VALVES Max. allowable press.: 1.4MPa Capacity: 0.5 to 12.8 U.S.R.T. (R22) Refrigerant: R22,R23,R134a,R404A



ELECTRONIC EXPANSION VALVES Max. working press.: 4.2MPa Capacity: 1.0 to 5.6 U.S.R.T. (R404A) Refrigerant: R22, R134a, R404A, R407C, R410A



ELECTRONIC EXPANSION VALVES Max. working press.: 4.2MPa Capacity: 2.08 to 11.15 U.S.R.T. (R404A) Refrigerant: R22, R134a, R404A, R407C, R410A



MOTOR VALVES Max. working press.: 3.3MPa Cv value: 2.82



3-WAY SOLENOID VALVES Max. working press.: 2.94MPa Connection: 5/8" to 1-3/8"



Type SEV/REV

SOLENOID VALVES for Refrigerant

Max. working press.: 2.94, 4.2MPa Connection: 1/4" to 3/4" flare 3/8" to 1-5/8" solder 7/8" to 3-1/2" flange, etc

Operating press. diff.: 0 to 2.45MPa Fluid temp.: -40 to 125°C Ambient temp.: -30 to 50°C Cv value: 0.25 to 74



PACKED VALVES Max. working press.: 2.94MPa Connection: 1/4" to 1"



CHECK VALVES Max. working press.: 3 to 4.15MPa Connection: 1/4" to 1"



PRESSURE ACTUATED WATER REGULATING VALVES Max. working press.: 1.96, 4.2MPa Connection: 3/8" to 2-1/2"



TEMPERATURE ACTUATED WATER REGULATING VALVES Max. water press.: 0.98MPa Connection: 1/2" to 2-1/2"

COMMERCIAL REFRIGERATION



PRESSURE REGULATING VALVES Max. working press.: 2.5MPa Connection: 1/2" to 1-3/8"



REGULATING VALVES for Hot Gas Line Max. working press.: 2.5MPa Connection: 1/2" to 5/8"



PRESSURE REGULATING VALVES Max. working press.: 2.9, 4.17MPa Connection: 1/2" to 7/8"



CONDENSER FAN SPEED CONTROLLERS (THREE PHASE) Range: 0.8 to 3.9MPa



Type SYS/SNS

SINGLE FUNCTION PRESSURE CONTROLS

(BELLOWS TYPE) Range:

-0.06 to 3.5MPa Range of press. diff.: 0.015 to 1.5MPa

Contact function: SPDT

Electrical ratings:

125/ 250V.AC 0.5 to 12A

Press. connections: 1/4" flare, etc.



Type DYS/DNS

DUAL PRESSURE CONTROLS

(BELLOWS TYPE) Range:

High 0.8 to 3MPa Low -0.06 to 0.6MPa

Range of press. diff.:

High Approx. 0.4 fixed Low -0.04 to 0.4MPa

Contact function: DPDT

Electrical ratings:

125/ 250V.AC 0.5 to 12A

Press. connections: 1/4" flare, etc.



DIFF. PRESSURE CONTROLS Range of press. diff.: 0.03 to 0.35MPa



DIGITAL PRESSURE CONTROLS Range: -0.095 to 5MPa



TEMPERATURE CONTROLS Range: -60 to 90°C



TEMPERATURE CONTROLS Range: -45 to 150°C



TEMPERATURE CONTROLS Range: -35 to 240°C



DIGITAL THERMOSTATS Range: -50 to 100°C



DIGITAL THERMOSTATS
DIN 48×48
Range: -70 to 140°C (Type PEK)



TEMPERATURE RECORDERS Range: -40 to 54°C

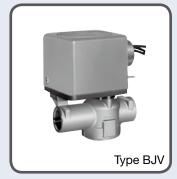
AIR CONDITIONING



SOLENOID VALVES for water/ glycol Max. working press.: 0.98MPa Connection: 1/2" to 3"



MORTORIZED BALL VALVES Max. working press.: 1.6MPa(Water) Connection: 1/2" to 2"



SMALL MOTOR OPERATED VALVES Max. working press.: 1MPa(Water) Connection: 1/2" to 3/4"



2-WAY&3-WAY CONTROL VALVES WITH MOTOR ACTUATOR Max. working press.: 0.98, 1.96MPa Connection: 1/2" to 10"



DAMPER MOTOR ACTUATORS Rotaion Angle: 90° Torque: 14.7N·m



TEMPERATURE CONTROLS Range: 0 to 160°C



PROPORTIONAL TEMPERATURE CONTROLS Range: -10 to 120°C



ROOM THERMOSTATS Range: 10 to 30°C



ROOM THERMOSTATS Range: 10 to 30°C



ROOM HUMIDISTATS Range: 30 to 90%RH



HUMIDISTATS Application for Duct Unit Range: 30 to 70%RH



FLOW SWITCHES Range: 18 to 2268L/min

CONSTRUCTION MACHINERY AND HYDRAULICS, VEHICLES, SHIP



PRESSURE SENSORS Range: 0 to 5MPa, etc. Output: 0.5 to 4.5V.DC Press. connections: G1/4



SMALL PRESSURE CONTROLS (DISC TYPE) Range: 0.3 to 2.5MPa Press. connections: R1/8, G1/8, G1/4



SMALL PRESSURE CONTROLS (DISC TYPE) Setting: off 2.5 on 2.0MPa



AIR CONDITIONING CONTROLLER

HOT-WATER SUPPLY UNITS



ELECTRIC PROPORTIONAL VALVES Max. working press.: 1MPa Flow rate: 1.4L/min at 1000 pulse 15L/min or more at 3000 pulse



SOLENOID VALVES for Water Max. working press.: 0.1, 0.29MPa Cv value: 0.94 to 1.1



FLOW SENSORS Range: 1.5 to 25L/min



BI-METAL DISC THERMOSTATS



PRESSURE REDUCING VALVES Max. working press.: 750kPa Setting press.: 170kPa



RELIEF VALVES Withstand press. performance: 600kPa Start to discharge pressure: 190kPa



AIR RELEASE VALVES Max. working press.: 300kPa Max. working temp.: 100°C



SUPERHEAT CONTROLLER Power supply: AC24V/ DC24V Superheat temp. range: -30 to 30°C E.E.V.: UKV series



ELECTRONIC EXPANSION VALVES Max. working press.: 15MPa Cv value: 0.065 to 0.17



SOLENOID VALVES Max. working press.: 13, 13.8MPa Cv value: 0.028,0.038



SMALL PRESSURE CONTROLS Setting: on 10 off 15MPa Max. working press.: 15MPa Press. connections: 1/4" solder



PRESSURE SENSORS Range: 0 to 15MPa Output: 5V.DC Press. connections: 1/4" solder

CONSTRUCTION MACHINERY AND HYDRAULICS, VEHICLES, SHIP



ELECTRONIC 2-STEP THERMOSTATS Range: -30 to 60°C



UNIT OF VISCOSITY CONTROL



PRESSURE CONTROLS (WATER PROOF MODELS) Range: -0.06 to 3.5MPa



TEMPERATURE CONTROLS (WATER PROOF MODELS) Range: -45 to 150°C

SAGINOMIYA, founded in 1948, is a leading maunfacturer of a wide range of high quality, energy-saving Automatic Controls for Refrigeration, Cooling, Heating, Air conditioning equipment and Hot Water Supply systems. We have much experience in supplying both the domestic and overseas markets with our full line of Automatic Controls.

SAGINOMIYA produces Pressure Controls, various kinds of Thermostats, Flow Switches, Expansion Valves, Solenoid Valves, Valves in General, Metal Bellows and Testing Machine. To keep SAGINOMIYA a front runner in modern day technology, we are making a substantial investment and extensive research in developing a new line of Electronic Controls to meet today's demands.





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NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and/or property damage.

Specifications are subject to change without notice.

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