SAGInoMIYA

PRESSURE CONTROLS
SERIES



SAGINOMIYA PRODUCT CATALOG

- Pressure Controls
- Condenser Fan Speed Controllers

A2L

Contents

PRESSURE CONTROLS

Type	Applications	Features	Connections	Max. working pressure (MPa)	＊1 Standards	Page
ACB OEM SMALL PRESSURE CONTROLS 	・Room air conditioners ・Packaged air conditioners ・Display cases ・Ice makers	・Highly reliable diaphragm design ・Small, lightweight, and compact design ・Wide range of adjustable pressure settings ・Wide range of electrical ratings and connection options ・High-durability models available (up to 500,000 cycles)	・Flare ・1/4" Copper tube solder ・Straight pipe threads / Tapered pipe threads ・Capillary	4.5 (High-pressure) 1.5 (Low-pressure)	・CE ・UL/cUL ・CQC ・IECEE ・DIN ・VDE	6
CCB OEM SMALL PRESSURE CONTROLS FOR CO_2 REFRIGERANT 	・CO_2 heat pump water heaters ・CO_2 refrigeration systems ・CO_2 display cases ・CO_2 condensing units ・CO_2 chillers	・For CO_2 refrigerant applications (ultra-high pressure design) ・Small, lightweight, and compact design ・Wide range of adjustable pressure settings.	・1/4" Copper tube solder	16.5	・CE ・UL/cUL	10
CKB PRESSURE CONTROLS FOR CO_2 REFRIGERANT 	・CO_2 refrigeration systems ・CO_2 display cases ・CO_2 condensing units ・CO_2 chillers	・For CO_2 refrigerant applications (ultra-high pressure design) ・Wide setting range for both transcritical and subcritical CO_2 systems ・High accuracy and high durability ・On-off differential pressure: 1.0 MPa (automatic reset type) ・Available in both automatic and manual reset types	・1/4" Female flare	14.3	・CE ・UL/cUL	12
SNS SINGLE FUNCTION PRESSURE CONTROLS 	・Condensing units ・Refrigerators / Freezers ・Chillers ・Dehumidifiers ・Water supply pumps	・High versatile ・Drip-proof and waterproof types available	・Flare ・Union ・Straight pipe threads / Tapered pipe threads ・Bite-type tube union ・Capillary	0.3 to 3.8	・CE ・UL ・CQC ・CSA ・IECEE ・DIN	14
HNS SINGLE FUNCTION PRESSURE CONTROLS 	・Condensing units ・Refrigerators / Freezers ・Water supply pumps	・For high pressure control ・Fixed differential pressure ・Drip-proof and waterproof types available	・Flare ・Union ・Straight pipe threads / Tapered pipe threads ・Bite-type tube union ・Capillary	3.3	・CE ・UL ・CQC ・IECEE	18
FNS PRESSURE CONTROLS WITH NARROW DIFFERENTIAL 	・Condensing units ・Refrigerators / Freezers ・Water supply pumps	・Narrow differential pressure (fixed) ・Drip-proof and waterproof types available	・Flare ・Union ・Straight pipe threads / Tapered pipe threads ・Bite-type tube union ・Capillary	0.3 to 3.3	・CE	22

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Type	Applications	Features	Connections	Max. working pressure (MPa)	＊1 Standards	Page
ANS PRESSURE CONTROLS WITH NARROW DIFFERENTIAL 	・Condensing units ・Refrigerators / Freezers ・Water supply pumps	・Adjustable differential pressure ・Drip-proof and waterproof types available	・Flare ・Union ・Straight pipe threads / Tapered pipe threads ・Bite-type tube union ・Capillary	0.3 to 3.8	・CE	22
DNS DUAL PRESSURE CONTROLS 	・Condensing units ・Refrigerators / Freezers ・Refrigerant recovery and charging units ・Chillers	・High-side overpressure protection and low-side control integrated ・Wide range of reset types available ・Drip-proof and waterproof types available	・Flare ・Union ・Straight pipe threads / Tapered pipe threads ・Bite-type tube union ・Capillary	Low-pressure side：1.5 High-pressure side：3.3	・CE ・UL ・CSA ・DIN	26
WNS DIFFERENTIAL PRESSURE CONTROLS 	・Refrigerators / Freezers ・Water chillers ・Chilled water and cooling water systems	・For differential pressure control ・Adjustable differential pressure ・Drip-proof types available	・Flare ・Union ・Straight pipe threads / Tapered pipe threads ・Bite-type tube union ・Capillary	0.5, 1.5	・CE ・UL ・CQC ・IECEE	30
YNS DIFFERENTIAL PRESSURE CONTROLS 	・Refrigerators / Freezers ・Water chillers ・Chilled water and cooling water systems	・For differential pressure control ・Narrow differential pressure (fixed) ・Drip-proof types available	・Flare ・Union ・Straight pipe threads / Tapered pipe threads ・Bite-type tube union ・Capillary	0.5, 1.5	・CE ・CQC ・IECEE	30
ONS OIL PROTECTION CONTROLS 	・Refrigerators / Freezers ・Water chillers ・Chilled water and cooling water systems	・For protection of lubrication circuits in refrigeration compressors and air compressors ・Built-in time delay function ・Drip-proof types available	・Flare ・Union ・Straight pipe threads / Tapered pipe threads ・Bite-type tube union ・Capillary	1.5	・CE ・CQC ・IECEE	34
SYS SINGLE FUNCTION PRESSURE CONTROLS FOR REFRIGERANT 	・Condensing units ・Refrigerators / Freezers ・Chillers ・Dehumidifiers	・General-purpose model with high reliability and durability ・Compatible with R410A ・Small and lightweight	・Flare	1.65 to 4.7	・CE ・UL/cUL ・CQC ・IECEE	38
DYS DUAL PRESSURE CONTROLS FOR REFRIGERANT 	・Condensing units ・Refrigerators / Freezers ・Refrigerant recovery and charging units ・Chillers	・High-side overpressure protection and low-side control integrated ・Wide range of reset types available ・Small and lightweight	・Flare	Low-pressure side：1.65 to 2.3 High-pressure side：3.3 to 4.8	・CE ・UL/cUL ・CQC ・IECEE	40

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Type	Applications	Features	Connections	Max. working pressure (MPa)	＊1 Standards	Page
LTB OEM SMALL PRESSURE CONTROLS 	・Room air conditioners ・Packaged air conditioners ・Chillers ・Ice makers	・Small and lightweight ・Low-pressure type ・High-current contact compatible	・Capillary	1.5	・CE ・UL ・CSA ・IECEE ・VDE	44
ETB OEM SMALL PRESSURE CONTROLS 						
HTB OEM SMALL PRESSURE CONTROLS 	・Room air conditioners ・Packaged air conditioners ・Chillers ・Ice makers	・Small and lightweight ・High-pressure type ・High-current contact compatible	・Capillary	3.3	・CE ・UL ・CSA ・IECEE ・VDE	44
FTB OEM SMALL PRESSURE CONTROLS 						

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CONDENSER FAN SPEED CONTROLLERS

Type	Applications	Features	Connections	Max. working pressure (MPa)	＊1 Standards	Page
RGE 	・Condensing units ・Packaged air conditioners	・Apply reliable pressure detecting mechanism ・Changarable functions, Min. speed or Cut off, for low pressure operation	・1/4" Female flare with pin	0.8 to 2.8 1.6 to 3.9	・CE ・UL/cUL ・CQC	46
XGE 	・Condensing units ・Packaged air conditioners	・Available for both AC fan and EC fan applications ・Compact and lightweight design with direct pipe mounting ・2 types of functions, Min. speed or Cut off, for low pressure operation	・1/4" Female flare with pin	0.8 to 1.8 1.0 to 2.5 2.2 to 3.9	・CE ・UL/cUL ・CQC	50

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Sayama Plant



Tokorozawa Plant

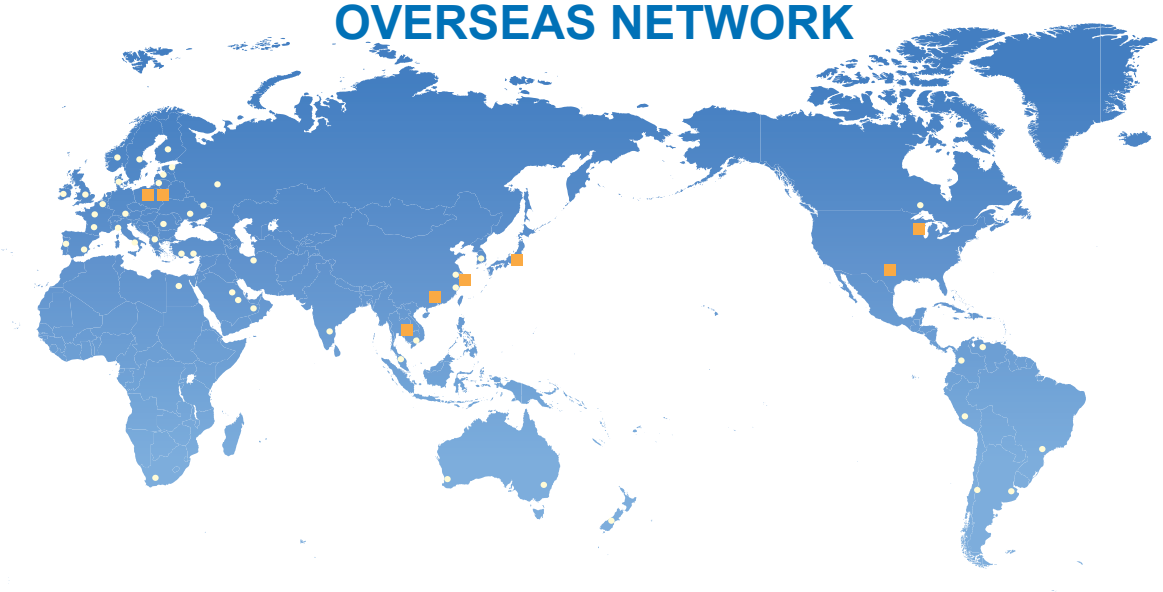


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⚠ NOTES FOR SAFETY

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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