

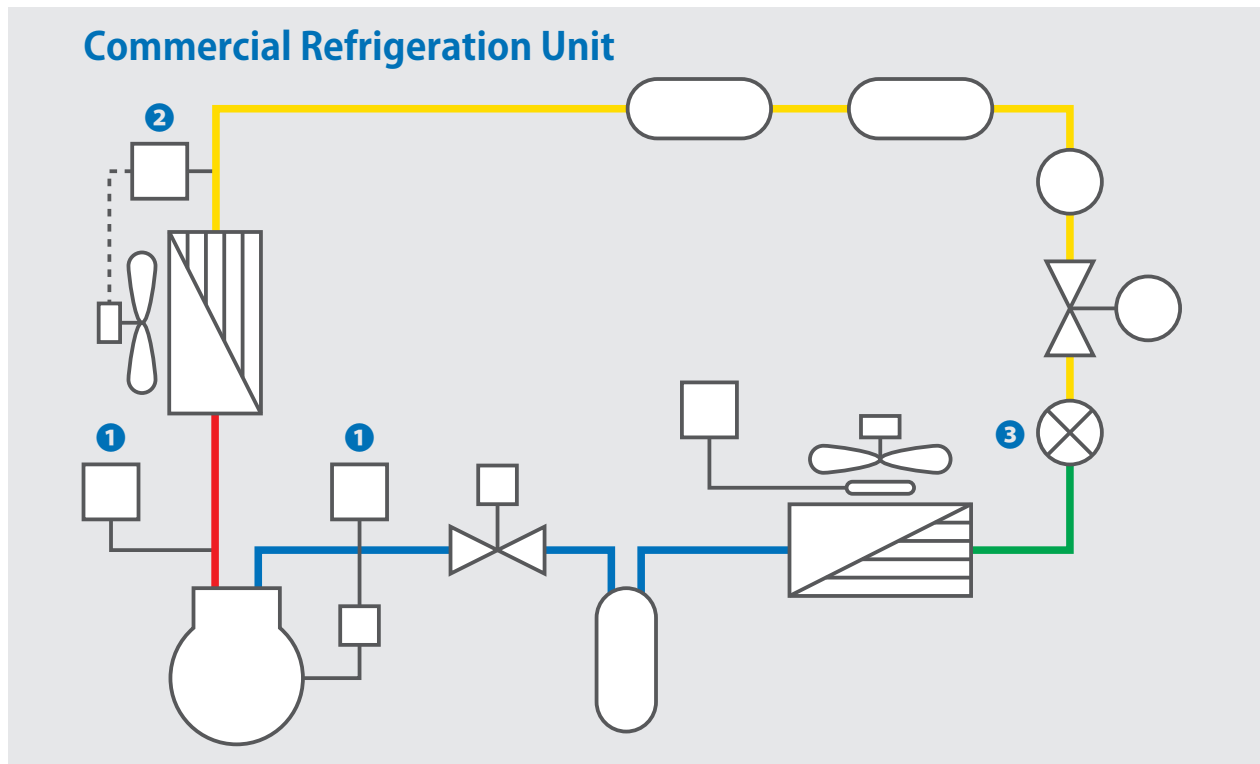
Refrigeration Field



SAGInoMIYA

Refrigeration Field

APPLICATION EXAMPLE



1 SINGLE FUNCTION PRESSURE CONTROLS

Type SNS



Ambient Temperature	-4 to 248°F	
Fluid Temperature	-4 to 158°F	
Max. Working Pressure	43.5 to 551psi	
Range	Min.	-9 to 145psi
	Max.	14.5 to 507psi
Contact Function	SPDT	
Contact Capacity	Small Current	120V,240V.AC 0.075A
	Medium Current	120V.AC 10A, 240V.AC 8 to 10A
	Large Current	120V.AC 16 to 20A, 240V.AC 8 to 17A
Connection*	1/4" Male Flare (standard)	

*If you need other connection style, please refer to last page.

1 DUAL PRESSUER CONTROLS

Type DNS



Ambient Temperature	-4 to 248°F	
Fluid Temperature	-4 to 158°F	
Max. Working Pressure	Low Side	218psi
	High Side	479psi
Low Side Range	Min.	-9 to 116psi
	Max.	58 to 87psi
High Side Range	Min.	116psi
	Max.	435psi
Contact Function	SPST,SPDT	
Contact Capacity	Small Current	120V,240V.AC 0.075A
	Medium Current	120V.AC 10A, 240V.AC 8 to 10A
	Large Current	120V.AC 16 to 20A, 240V.AC 8 to 17A
Connection*	1/4" Male Flare (standard)	

*If you need other connection style, please refer to last page.

2 CONDENSER FAN SPEED CONTROLLERS

Type XGE

UL



Ambient Temperature	-4 to 131 °F (0.2 to 3A) -4 to 104 °F (0.2 to 4A)
Fluid Temperature	-4 to 158 °F
Max. Working Pressure	681psi
Control Method	Phase Control
Range	116 to 566 psi
Rated Voltage	Single phase 200 to 240VAC
Rated Ampere	0.2 to 3A (0.2 to 4A)
Connections	¼" Female Flare with Schrader (standard)
Enclosure	IP65

*If you need other connection style, please refer to last page.

Ambient Temperature	-4 to 131°F
Fluid Temperature	-4 to 158 °F
Max. Working Pressure	681psi
Control Method	Phase Control
Range	116 to 566 psi
Supply Voltage	10VDC
Output Voltage	0-10VDC
Operating Current	10mA max.
Connections	¼" Female Flare with Schrader (standard)
Enclosure	IP65

*If you need other connection style, please refer to last page.

2 CONDENSER FAN SPEED CONTROLLERS

Type RGE

UL



Ambient Temperature	-4 to 131°F (Single-Phase) -4 to 122°F (Three-Phase)
Max. Working Pressure	681psi
Control Method	Phase Control
Range	116 to 566 psi
Rated Voltage	200 to 240VAC (Single-Phase) 200 to 240 or 380 to 415VAC (Three-Phase)
Rated Ampere	0.2 to 8A (Single-Phase) 0.2 to 7A (Three-Phase)
Connections	¼" Female Flare with Schrader (standard)
Enclosure	IP54

3 EXPANSION VALVE

Type ARX

UL

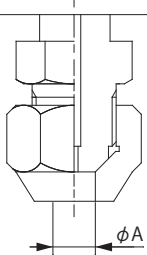


Ambient Temperature	-40 to 176°F	
Refrigerant Evaporating Temperature	R134a	-22 to 50°F
	R22	-40 to 50°F
	R407C	-22 to 50°F
	R404A	-40 to 50°F
	R448A	-40 to 50°F
Max. Working Pressure	435psi	
Charge	S-charge (MOP68°F), C-charge, CL-charge (R134a, R404A)	
Equalizer	Internal	
Static Superheat	0 to 5K	
Capacity *	R134a	0.24 to 1.80 U.S.R.T (2,900 to 21,559 BTU/H)
	R22	0.32 to 2.40 U.S.R.T (3,856 to 28,798 BTU/H)
	R407C	0.33 to 2.47 U.S.R.T (3,958 to 29,686 BTU/H)
	R404A	0.23 to 1.71 U.S.R.T (2,730 to 20,507 BTU/H)
	R448A	0.30 to 2.25 U.S.R.T (3,599 to 26,993 BTU/H)
Connections	5/16" × 3/8" solder	

*Capacity: Based on condensing temp.: 100.4°F , evaporating temp.: 41°F

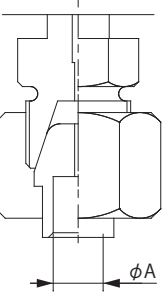
CONNECTION STYLE

Flare



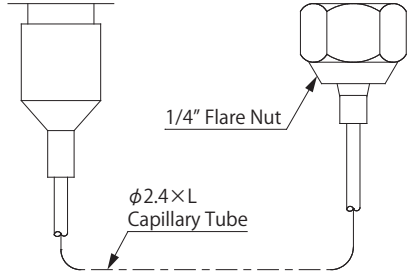
Size	φA
φ1/4"	φ0.26
φ0.31	φ0.32
φ3/8"	φ0.38
φ0.39	φ0.40
φ1/2"	φ0.51

Union



Size	φA
φ0.24 Copper	φ0.26
φ0.31 Copper	φ0.33
φ0.39 Copper	φ0.41
φ0.41 Steel	φ0.43

Capillary Tube



Type	L
L1	39.37
L2	78.74

Pipe Thread

Female		Male	
Size	φA	Size	φA
1/4"	Rc1/4"	1/4"	R1/4"
	G1/4"		G1/4"
	1/4" NPT		1/4" NPT
3/8"	Rc3/8"	3/8"	R3/8"
	G3/8"		G3/8"
	3/8" NPT		3/8" NPT
1/2"	Rc1/2"	1/2"	R1/2"
	G1/2"		G1/2"
	1/2" NPT		1/2" NPT

⚠ 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.