

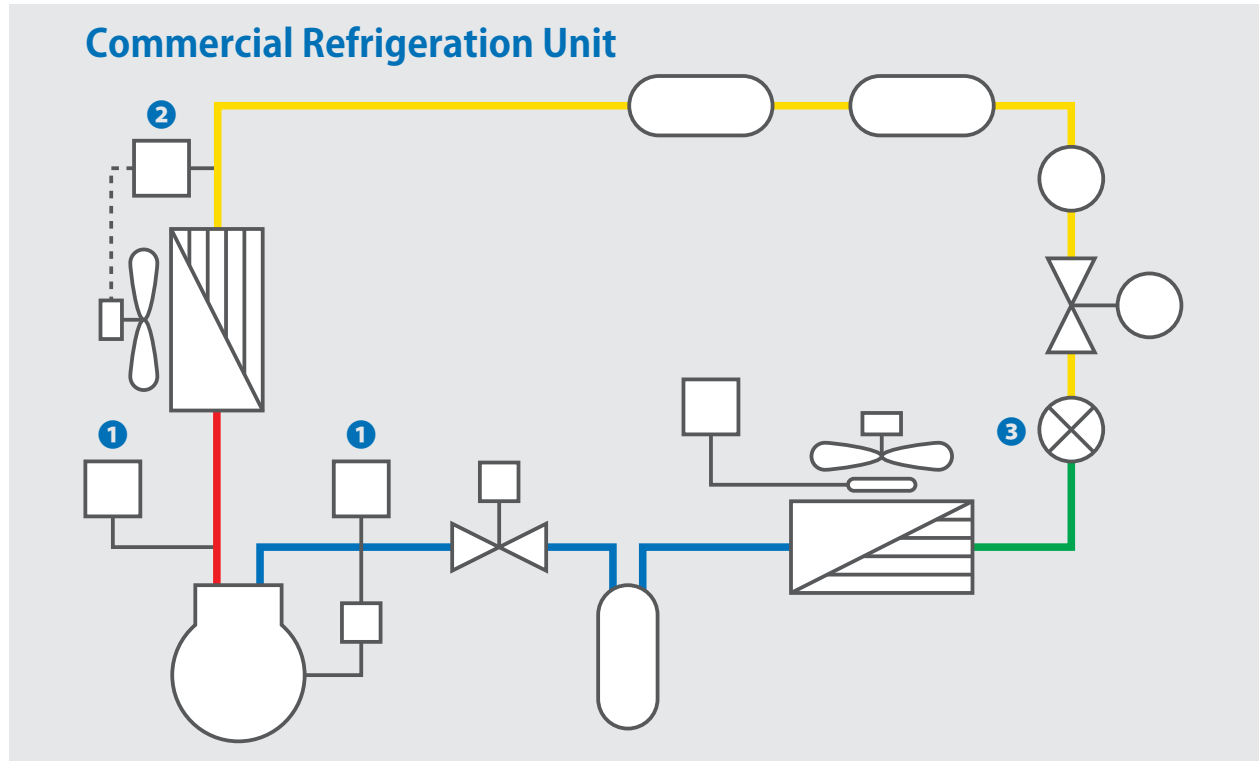
Refrigeration Field



SAGInoMIYA

Refrigeration Field

APPLICATION EXAMPLE



1 SINGLE FUNCTION PRESSURE CONTROL

Type SNS



Ambient Temperature		-4 to 248°F
Fluid Temperature		-4 to 158°F
Max. Working Pressure		43.5 to 551 psi
Range	Min.	-9 to 145 psi
	Max.	14.5 to 507 psi
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*2		1/4" Male Flare (standard)

*1 R1234yf, R1234ze(E), R454A, R454B, R454C, R455A (Please contact us for details.)

*2 If you need another connection style, please refer to the last page.

1 DUAL PRESSUER CONTROL

Type DNS



Ambient Temperature		-4 to 248°F
Fluid Temperature		-4 to 158°F
Max. Working Pressure	Low Side	218 psi
	Higf Side	479 psi
Low Side Range	Min.	-9 to 116 psi
	Max.	58 to 87 psi
High Side Range	Min.	116 psi
	Max.	435 psi
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*2		1/4" Male Flare (standard)

*1 R1234yf, R1234ze(E), R454A, R454B, R454C, R455A (Please contact us for details.)

*2 If you need another connection style, please refer to the last page.

② CONDENSER FAN SPEED CONTROLLER

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 240V.AC
Rated Ampere	0.2 to 3A (0.2 to 4A)
Connections	1/4" Female Flare with Schrader (standard)
Enclosure	IP65

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

Ambient Temperature	-4 to 131°F
Fluid Temperature	-4 to 158 °F
Max. Working Pressure	681 psi
Control Method	Phase Control
Range	116 to 566 psi
Supply Voltage	10V.DC
Output Voltage	0 to 10V.DC
Operating Current	Max. 10mA
Connections	1/4" Female Flare with Schrader (standard)
Enclosure	IP65

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

② CONDENSER FAN SPEED CONTROLLER

Type RGE

UL



Ambient Temperature	-4 to 131°F (Single-Phase) -4 to 122°F (Three-Phase)
Max. Working Pressure	681 psi
Control Method	Phase Control
Range	116 to 566 psi
Rated Voltage	200 to 240V.AC (Single-Phase) 200 to 240 or 380 to 415V.AC (Three-Phase)
Rated Ampere	0.2 to 8A (Single-Phase) 0.2 to 7A (Three-Phase)
Connections	1/4" Female Flare with Schrader (standard)
Enclosure	IP54

③ EXPANSION VALVE

Type ARX

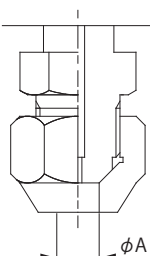
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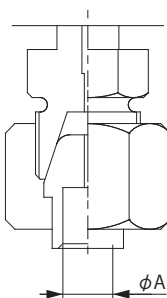


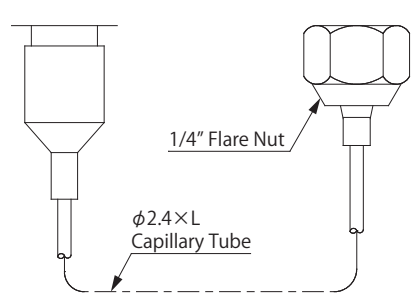
Ambient Temperature		-40 to 176°F
Refrigerant Evaporating Temperature	R134a	-22 to 50°F
	R22	-40 to 50°F
	R407C	-22 to 50°F
	R404A	-40 to 50°F
	R448A	-40 to 50°F
Max. Working Pressure		435 psi
Charge		S-charge (MOP 68°F) , C-charge, CL-charge (R134a, R404A)
Equalizer		Internal
Static Superheat		0 to 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

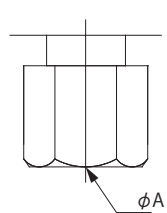
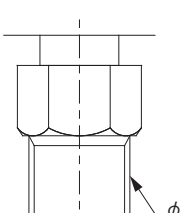
*Capacity: Based on condensing temp.: 100.4°F , evaporating temp.: 41°F

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.

2025.12

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