

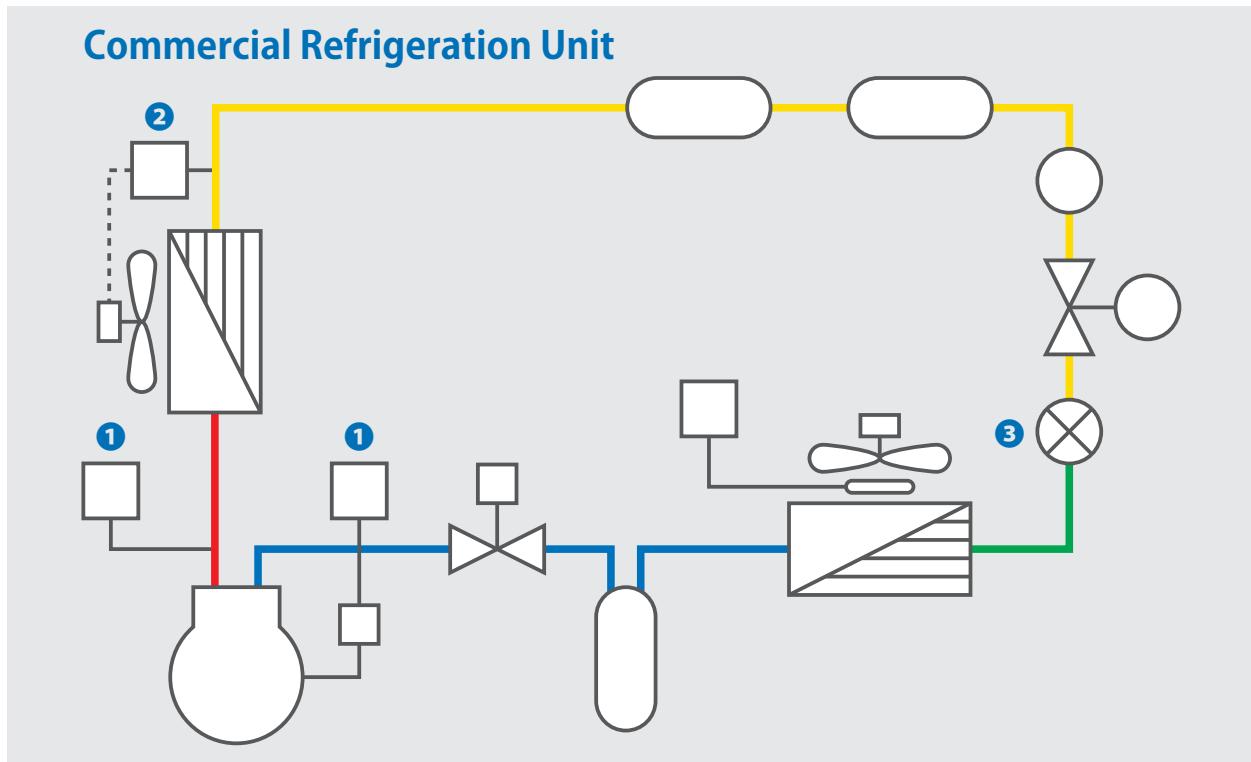
Refrigeration Field



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.

② DUAL PRESSURE CONTROL

Type DNS



Ambient Temperature	-4 to 248°F
Fluid Temperature	-4 to 158°F
Max. Working Pressure	Low Side 218 psi High 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

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	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" X 3/8" Solder

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

CONNECTION STYLE

Flare	
	φA
Size	φA
Φ1/4"	Φ0.26
Φ0.31	Φ0.32
Φ3/8"	Φ0.38
Φ0.39	Φ0.40
Φ1/2"	Φ0.51

Union	
	φA
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	
	φA		φA
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.