The background features a stylized American flag with blue, red, and white geometric shapes. A faint world map is visible in the center. The logo consists of the letters 'USA' in blue with a white outline, followed by a red triangle containing a white star. Below this, the word 'PARTS' is written in large, bold, red letters with a white outline.

USA
PARTS

HVAC & REFRIGERATION

USA
PARTS

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2017 Collection

Inspiration for better life



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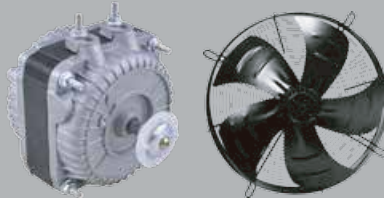
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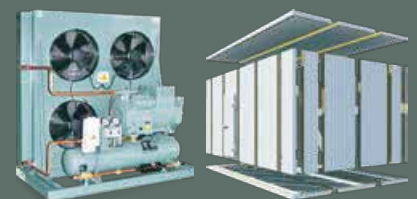
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www.usapartsla.com



① REFRIGERANT & CHEMICAL



QUALITY DELIVERED



HFO-1234YF



QUALITY INDEX

- Purity(%): ≥ 99.9
- Water(ppm by weight): ≤ 10
- Acidity(ppm by weight as HCl): ≤ 1.0
- High boiling residue(% by volume): ≤ 0.01

PHYSICAL AND CHEMICAL PROPERTIES

- Physical state: Liquefied gas
- Color: clear
- Odor: slight
- Boiling point / boiling range: -29.4°C
- Lower flammability limit(V): 6%
- Upper flammability limit(V): 12.3%
- Vapor pressure: 6,067 hPa at 21.1°C (70.0°F)
- 14,203 hPa at 54.4°C (129.9°F)
- Vapor density: 4(Air=1.0)
- Density: 1.1g/cm³ at 25°C
- Water solubility: 198.2mg/l at 24°C
- Ignition temperature: 405°C
- Molecular weight: 114g/mol





REFRIGERANT



REFRIGERANTS ISO TANK



HFO

Designation	Complete	Formula	CAS number	Main applications
HFO-1234yf	2,3,3,3-Tetrafluoroprop-1-ene	C3H2F4	754-12-1	Relacement for R134a in auto-mobile A/C
HFO-1234ze	trans-1,3,3,3-Tetrafluoroprop-1-ene	CF3CH=CHF	471-480-0	Replacement for R134a, R152a as propellant

HFC

Designation	Complete	Formula	CAS number	Main applications
HFC-32	Difluoromethane	CH2F2	1975/10/5	Blend component for airconditioning equipment and commercial refrigeration
HFC-125	Pentafluoroethane	CHF2CF3	354-33-6	Blend component for airconditioning and commercial refrigeration firefighting agent
HFC-134a	1,1,1,2-Tetrafluoroethane	CH2FCF3	811-97-2	Blend component for mobile and strationary air conditioning, and for domestic refrigerators / freezers propellant for extruded polystyrene foams(XPS)
HFC-143a	1,1,1-Trifluoroethane	CF3CH3	420-46-2	Blend component for airconditioning equipment and commercial refrigeration
HFC-152a	1,1-Difluoroethane	CH3CHF2	75-37-6	Propellant for specialised industrial aerosols blowing agent component for extruded polystyrene foams(XPS)
HFC-227ea	1,1,1,2,3,3,3-Heptafluoropropane	CF3CHFCF3	431-89-0	Propellant for medical aerosols firefighting agent
HFC-236fa	1,1,1,3,3,3-Hexafluoropropane	CF3CH2CF3	290-39-1	Firefighting agent
HFC-245fa	1,1,1,3,3-Pentafluoropropane	CF3CH2CHF2	460-73-1	Foam blowing agent for polyurethane(PUR) foams
HFC-365mfc	1,1,1,3,3-Pentafluorobutane	CF3CH2CF2CH3	406-58-6	Foam blowing agent for polyurethane(PUR) and phenolic foams.blend component for solvents

HCFC

Designation	Complete	Formula	CAS number	Main applications
HCFC-22	Chlorodifluoromethane	CHClF2	75-45-6	Refrigerant(pure or in blends for CFC drop-ins) Blowing agent component for polyurethane foams(PUR) and for extruded polystyrene foams(XPS)
HCFC-123	2,2-dichloro-1,1,1-trifluoroethane	CHCl2CF3	306-83-2	Refrigerant for large chillers firefighting agent
HCFC-124	1-chloro-1,2,2,2-tetrafluoroethane	CHClF-CF3	20837-89-0	Refrigerant in special applications Firefighting Agent
HCFC-141B	1,1-dichloro-1-fluoroethane, dichloro fluoroethane	CCL2FCH3	1717-00-6	Blowing agent for polyurethane foams(PUR) and for extruded polystyrene foams(XPS)
HCFC-142B	1-chloro-1,1-difluoroethane	CClF2CH3	75-68-3	Blowing agent component for polyurethane foams (PUR) and for extruded polystyrene foams (XPS)

Mixed Refrigerant

Designation	Complete	Formula	CAS number	Main applications
R404A	Mixed Refrigerant	R125/R143/R134A	--	As the long-term substitute for the R22 and R502, R404A used in refrigerating systems of low & moderate temperature.
R406A	Mixed Refrigerant	R22/R142B/R600A	--	Susitute for R12 and R134a
R407C	Mixed Refrigerant	R125/R32/R134A	--	As the long-term substitute for R22, R407C used mainly in the air conditioner and non-centrifugal refrigerating systems.
R407F	Mixed Refrigerant	R125/R32/R134A	--	Substitute for R22, R404A and R507 in low and medium temperature refrigeration applications.
R408A	Mixed Refrigerant	R125/R143A/R22	--	As substitute for R22
R410A	Mixed Refrigerant	R125/R32	--	As the long-term substitute for R22, R410A used mainly in the conditioners and refrigerating systems.
R417A	Mixed Refrigerant	R125/R134A/R600	--	As substitute for R22
R422D	Mixed Refrigerant	R125/R134A/R600A	--	As substitute for R22
R426A	Mixed Refrigerant	R125/R134A/R600/R601A	--	Replacement for R12 in mobile air conditioning, but can also be used across the range of applications where R12 was commonly found.
R438A	Mixed Refrigerant	R32/R125/R134A/R600/R601A	--	Replace R-22 direct expansion systems in air conditioning (high-temperature) applications and medium- and low-temperature refrigeration applications.
R507	Mixed Refrigerant	R125/R143A	--	As the long-term substitute for R502, R507 used mainly in the low temperature refrigerating systems.

1230 Fire Extinguishing Agent

Koman's 1230 is a new clean fire extinguishing agent which is colorless, odorless, transparent and insulating liquid.

- 1230 is a liquid at room temperature with low tank pressure and convenience of transportation;
- All the class-A, B, C fire can be extinguished without any corrosion to metal (carbon steel, CU, Mo, stainless steel), or any damage to electronic components and circuitry on account of its good insulation property;
- The fire extinguishing concentration is far below the harmful level, which ensures a big safety margin.

Performance	Dukare® 1230	Halon 1301	HFC-227ea	HFC-236fa
ODP	0	12.0	0	0
GWP, CO2=1, ITH	1	6900	3800	9400
Atmospheric Lifetime	0.014	65	36.5	226.0
SNAP (Y/N)	Y	N	Y	N
Minimum Extinguishing Concentration (% v/v)	4.0-6.0	5.0	8.0	6.3
NOAEL (% v/v)	10	5.0	9.0	10
LOAEL (% v/v)	10	7.5	10.5	15

As an excellent substitute of Halon and HFCs, Koman's 1230 is far beyond other agents in safety, efficiency and environmental performance.



Easy-Flush Clean Agent

Easy-Flush is a flushing solvent for air conditioning and refrigeration systems, refrigerant conversions and compressor burnouts. Easy-Flush is compatible with all refrigerants and compressor oils. Easy-Flush is the answer for technicians who need a professional quality flushing solvent as well as the components to match.

- Flushing and cleaning solvent for Refrigeration Systems and A/C;
- High performance, Fast-drying and Residue Free Cleaner;
- Non Flammable and non Ozone Depleting solvent;
- CFC, HCFC and HFC'S Compatible;
- Electric and Circuit Board Cleaner.

- Content : 99.9% Methylene chloride
- CAS #: 75-09-2
- Chemical Formula : C-H2-Cl2





Refrigeration Oil



1L



3.78L



5L



20L



200L

Synthetical Oil POE Series

Item	Test Way	S-22	S-32	S-68	S-100	S-170	S-220	S-320
Density 15°C g/cm	ASTM D 1250	0.928	0.940	0.951	0.956	0.958	0.960	0.970
Color ASTM	ASTM D 1500	L0.5	L0.5	L0.5	L0.5	L0.5	L0.5	L0.5
Viscosity 40°C mPa·s	ASTM D 445	10.1	15.0	22.5	32.3	44.8	66.6	99.2
Viscosity 100°C mPa·s	ASTM D 445	2.50	3.22	4.14	5.14	6.90	8.22	10.2
Flash Point COC °C	ASTM D 92	182	196	212	230	240	254	254
Pour Point °C	ASTM D 97	-50	-50	-50	-35	-35	-40	-40
Acid ua/ue mgKOH/g	ASTM D 974	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Moisture PPM	ASTM E 1064	<50	<50	<50	<50	<50	<50	<50

Synthetical Oil PAG Series

Item	Test Way	PAG 56	PAG100
Density 15°C g/cm	ASTM D 1298	1.015	1.048
Color Hazen	ASTM D 1209	L0.5	L0.5
Viscosity 40°C mPa·s	ASTM D 445	56.4	94.8
Viscosity 100°C mPa·s	ASTM D 445	10.6	19.2
Flash Point COC °C	ASTM D 92	234	246
Pour Point °C	ASTM D 97	-40	-42.5
Acid ua/ue mgKOH/g	ASTM D 974	0.4	0.4
Moisture %	ASTM E 1064	50	50

Mineral Oil GS Series

Item	Test Way	3GS	4GS	5GS
Density 15°C g/cm	ASTM D 1298	0.909	0.915	0.921
Color Hazen	ASTM D 1500	L0.5	L1.0	L1.0
Viscosity 40°C mPa·s	ASTM D 445	29.5	54.9	94.6
Viscosity 100°C mPa·s	ASTM D 445	4.31	5.97	7.78
Flash Point COC °C	ASTM D 92	178	188	208
Pour Point °C	ASTM D 97	-40	-35	-27.5
Acid ua/ue mgKOH/g	ASTM D 974	0.01	0.01	0.01
Aniline Point °C	ASTM D 611	75.4	79.8	80.4
Moisture %	ASTM D 4298	20	20	20
Floc Point °C	ANSI/ASHRAE 86	-55	-46	-35

Vacuum Pump Oil



250ML

Vacuum pumps can be operated with oil listed below; using different oils affect all specified ultimate vacuum and cold starting.

Part No.	Viscosity (40°C), mm ² /s	Viscosity Index ≥	Flash Point °C ≥	Pour Point °C ≥
46	41.4~50.6	101	230	-10
68	61.2~74.8	101	240	-10
100	90-110	105	250	-10

Recommendation list

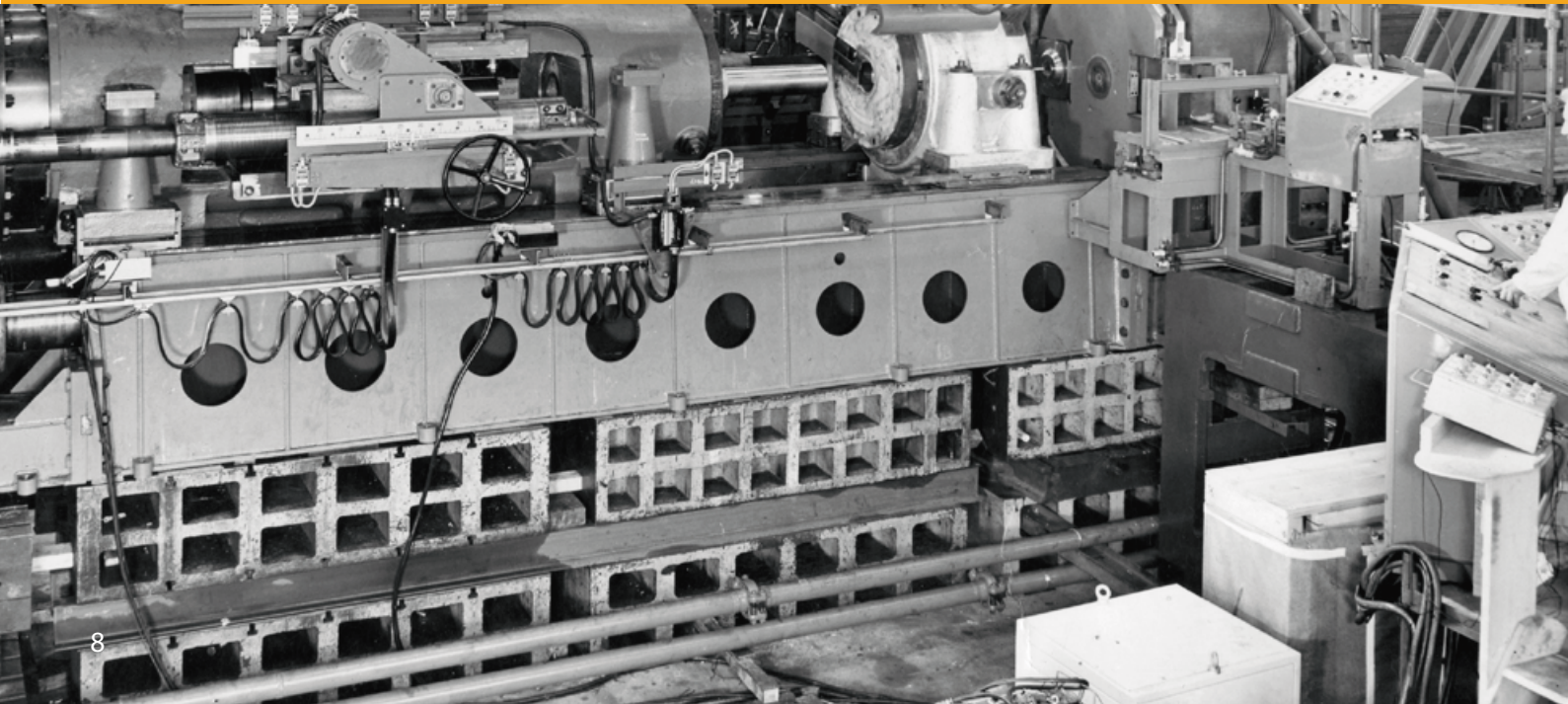
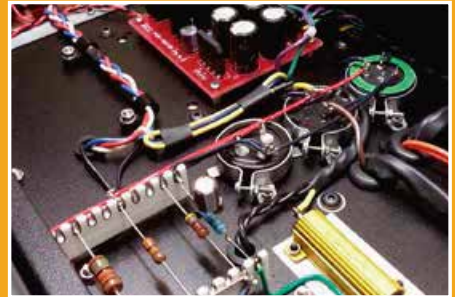
Refrigeration equipment	Refrigerant	Type of Compressor	Recommendation
Refrigerator 	R600a, R290	Reciprocating Rotary	LUBIL 1GS-3GS LUBIL 3GS
	R-502	Rotary	LUBIL 3GS
	R-134a	High-efficiency	LUBIL S-10, S-15
		Standard	LUBIL S-22, S-32
Air conditioner 	R-22	Reciprocating	LUBIL 3GS
		Standard	LUBIL 4GS
	R-407C	Rotary	LUBIL S-68
	R-410A	Rotary	LUBIL S-68
Central air-conditioner 	R-22, R-502	Reciprocating	LUBIL 3GS
		Rotary	LUBIL 4GS (5GS)
		Centrifugal	LUBIL 4GS
		Scroll (high pressure)	LUBIL 4GS
Cold room 	R-123	Scroll (high pressure)	LUBIL 3GS
		Centrifugal	LUBIL 4GS LUBIL S-68
		Evaporate temperature above -40°C: 4GS, Evaporate temperature below -40°C: 3GS	
Freeze unit 	--	Above -29°C	LUBIL 4GS
	R-717 (NH3)	Below -29°C	LUBIL 3GS
Condenser unit 	R-134a, R-404A R-407C, R-410A	Reciprocating	LUBIL S-32
		Rotary	LUBIL S-68
		-40	LUBIL S-68
Cooling show case 	R-22	Reciprocating	LUBIL 3GS, 4GS
		Rotary	LUBIL 4GS
	R-502	Reciprocating	LUBIL 3GS, 4GS
		Rotary	LUBIL 4GS
Car air conditioner 	R-1234f	--	LUBIL PAG46
	R-134a	--	LUBIL PAG46
Refrigerator car Refrigerator ship 	R-22	--	LUBIL 3GS-5GS
	R-134a, R-404A R-407C, R-410A	--	LUBIL S-32
		--	LUBIL S-68



2 COPPER TUBE & FITTING



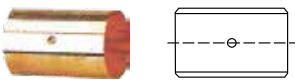
QUALITY DELIVERED



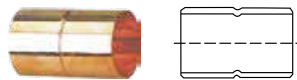


Size: 1/4"-5 1/8"

Coupling with Stop & C



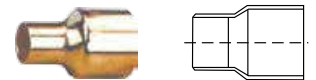
Coupling with Roll-Stop & C



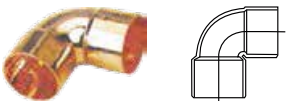
Reducing Coupling & C



Fitting Reducing & ETG.



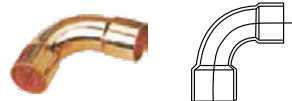
90° Elbow-Short Radius & C



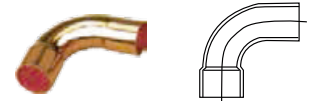
90° Elbow-Short Radius & ETG.



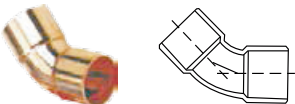
90° Elbow-Long Radius & C



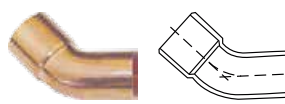
90° Elbow-Long Radius & ETG.



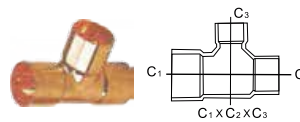
45° Elbow & C



45° Elbow & ETG.



Tee & C & C



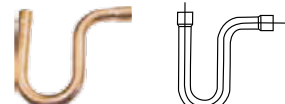
Cap (Tube End)



Return Bend & C



Suction Line (P-Trap) & C



Male Adapter & MC



Female Adapter & C





ACR Straight Tube | 20ft (6m) or 19ft (5.8m) Lengths*

Standard according to ASTM B280.
 Ends capped, wooden case packing.
 Condition: Soft, half hardness, hardness, etc.

* To be adjusted as per specific requirement.



Outside (inch)	Diameter (mm)	Wall Thickness*		Nominal Weight (kgs/5.8 metres)
		inch	mm	
3/8	9.52	0.030	0.76	1.08
1/2	12.70	0.035	0.89	1.71
5/8	15.87	0.040	1.02	2.46
3/4	19.05	0.042	1.07	3.12
7/8	22.23	0.045	1.14	3.90
1-1/8	28.58	0.050	1.27	5.63
1-3/8	34.93	0.055	1.40	7.62
1-5/8	41.28	0.060	1.52	9.81
2-1/8	53.98	0.070	1.78	15.09
2-5/8	66.68	0.080	2.03	21.31
3-1/8	79.38	0.090	2.29	28.67
3-5/8	92.08	0.100	2.54	36.93
4-1/8	104.78	0.110	2.79	46.21

ACR Soft Drawn Coil | 50ft or 15m Pancake Coil

Standard according to ASTM B280.
 Ends capped, shrink wrapped package in cardboard box.



* To be adjusted as per specific requirement.



O.D. (inch)	Thickness* (inch)	O.D. (mm)	Thickness* (mm)
3/16	0.030	4.76	0.76
1/4	0.030	6.35	0.76
5/16	0.032	7.94	0.81
3/8	0.032	9.52	0.81
1/2	0.032	12.70	0.81
5/8	0.035	15.87	0.89
3/4	0.035	19.05	0.89
7/8	0.045	22.23	1.41

Capillary Tube

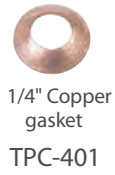
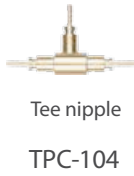
Standard according to ASTM B360.
 Average O.D. Tolerance: ±0.03mm
 Average I.D. Tolerance: ±0.02mm
 Condition: Soft, half hardness, hardness, etc.

* To be adjusted as per specific requirement.



O.D. inch (mm)	I.D. inch (mm)	Thickness inch (mm)
0.072(1.83)	0.026(0.660)	0.023(0.584)
0.072(1.83)	0.028(0.711)	0.022(0.558)
0.081(2.06)	0.031(0.787)	0.025(0.635)
0.081(2.06)	0.033(0.838)	0.024(0.609)
0.087(2.21)	0.039(0.991)	0.024(0.609)
0.093(2.36)	0.042(1.07)	0.0255(0.648)
0.097(2.46)	0.046(1.17)	0.025(0.635)
0.106(2.69)	0.054(1.37)	0.026(0.660)
0.112(2.84)	0.059(1.50)	0.0265(0.673)
0.125(3.18)	0.064(1.63)	0.0305(0.775)
0.145(3.68)	0.080(2.03)	0.0325(0.826)
0.188(4.78)	0.130(3.30)	0.029(0.737)
0.200(5.08)	0.145(3.68)	0.0275(0.699)
0.220(5.59)	0.160(4.06)	0.030(0.762)
0.240(6.10)	0.175(4.45)	0.0325(0.826)

Thermoplastic Capillary Hoses



References for application scenarios

Advantages:

- High elasticity
- No more brazing, flaring and bending of copper tubes.
- Time saving for system installation and assembling.
- Very low refrigerating gas permeation rate.



Connection with pressure gauge, control units and oil return pipe.

Hose Part Number	Inner Diametre	Outer Diametre	Tolerances	Min Bending Radius	Working Pressure	Working Temp	Weight
TPC-100-B	2.0 mm	5.9 mm	0.1 mm	10 mm	45 bar	-40°C~130C	30 g/m
TPC-100-U	2.0 mm	5.9 mm	0.1 mm	10 mm	45 bar	-40°C~130C	30 g/m
TPC-100-R	2.0 mm	5.9 mm	0.1 mm	10 mm	45 bar	-40°C~130C	30 g/m

Hose Assembly Overall Length (mm)



Instructions for manual assembling of capillary hose ID 2mm
Working temperature: -40°C+130°C, Working pressure: 45 bar

Assemble one hose and check that the average diameter of the crimped sleeve is 7.1mm(just one of the four diameters can be maximum 7.3mm).If not,regulate the cam till the obtained crimped sleeve is perfect on the basis of the above mentioned measures.

Assembly Instructions



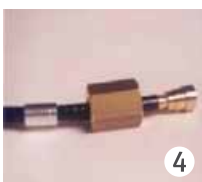
1. Cut the hose using proper shears,automatic or manual cutters.The cut must be per fectly square and smooth.



2. Insert the sleeve on the hose with the groove towards the hose side to be assembled.



3. Insert the nut onto the hose.



4. Push the insert inside the hose.



5. Make the nut slide onto the external part of the insert(flare) and push the sleeve till it covers the bottom of the free insert.



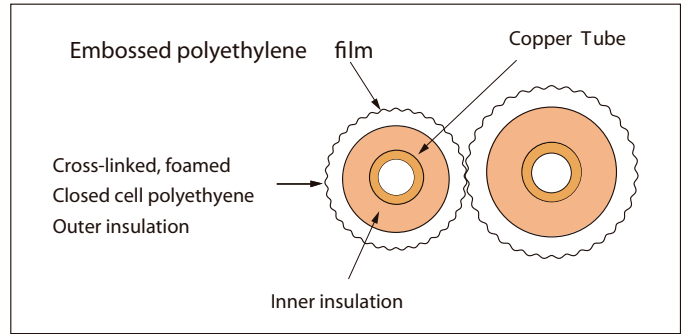
6. Assemble the hose by positioning manual pliers on the sleeve covering its whole surface.Crimp till hand pliers poen automatically.A second crimping is useful to obtain a safer assembling.



Insulated Double Coil



Three-layer Insulation



Pair Coil Description Copper Tube Outside Diameter x Wall Thickness		Insulating Thickness (mm)	Pair Coils Per Carton	Carton Dimensions	
(inch)	(mm)			(20m)	(30m)
1/4-3/8	6.35x0.80-9.53x0.80	8	1	57x57x18	67x67x17
1/4-1/2	6.35x0.80-12.70x0.80	8	1	61x61x19	69x69x18
1/4-5/8	6.35x0.80-15.88x1.00	8	1	72x72x20	83x83x22
3/8-1/2	9.53x0.80-12.70x0.80	8	1	61x61x19	72x72x19
3/8-5/8	9.53x0.80-15.88x1.00	8	1	72x72x20	83x83x22
3/8-3/4	9.53x0.80-19.05x1.00	8	1	75x75x22	87x87x22
1/2-3/4	12.70x0.80-19.05x1.00	8	1	75x75x22	87x87x22

* To be adjusted as per specific requirement.

1. Length 3m, 4m, 5m, 20m, 30m is available.
2. Length wall thickness can be adjusted as per specific requirement.

Insulation Tube



Carton size:
1890 * 340 * 400mm

I.D. (inch)	Thickness 3/8" (pcs/ctn)	Thickness 1/2" (pcs/ctn)	Thickness 3/4" (pcs/ctn)	Thickness 1" (pcs/ctn)
1/4	168	100	48	30
3/8	120	90	36	30
1/2	100	72	30	24
5/8	90	63	30	20
3/4	72	56	25	20
7/8	65	42	24	18
1	49	42	20	16
1-1/8	49	36	20	16
1-1/4	42	30	20	15
1-3/8	36	30	16	12
1-5/8	30	25	16	12
1-7/8	28	20	12	10
2	24	20	12	9
2-1/8	20	18	12	9
2-3/8	20	18	10	9
2-5/8	18	13	9	8
2-7/8	18	13	9	8
3	18	12	8	8
3-1/8	15	12	8	6
3-1/2	15	12	6	6



Insulation Sheet

L*W	Thickness 3/8" (pcs/ctn)	Thickness 1/2" (pcs/ctn)	Thickness 3/4" (pcs/ctn)	Thickness 1" (pcs/ctn)
36" x 48"	26	20	14	10
1m x 10m	1	1	1	1

3 COMPRESSOR



QUALITY DELIVERED





R134a220V / 50Hz

HERMETIC COMPRESSOR FOR REFRIGERATOR

Part No.	Displ. (m³/h)	Power (HP)	Motor Type	Cooling Capacity (w)	Input Power without RC (w)	COP		Voltage
						Discharge	Frequency	
GQR60AA	6.0	1/6	RSIR	140	116	1.21	220V/50Hz	
GQR70AA	6.6	1/5	RSIR	165	136	1.21	220V/50Hz	
GQR80AA	8.1	1/4	RSIR	198	166	1.19	220V/50Hz	
GQR90AA	9.1	1/4	RSIR	220	184	1.19	220V/50Hz	
GQY99AA	9.9	1/4	RSIR/RSCR	270	203	1.33	220V/50Hz	
GPY12AF	11.8	1/3	CSIR	325	244	1.33	220V/50Hz	
GPY16AF	16.2	3/8	CSIR	380	292	1.30	220V/50Hz	
GQR60TG	6.0	1/5	CSIR	520	260	2.00	220V/50Hz	
				600	290	2.10	220V/60Hz	
GQR80TG	8.1	1/4	CSIR	730	340	2.15	220V/50Hz	
				800	380	2.10	220V/60Hz	
GQR90TG	9.1	1/4	CSIR	830	370	2.24	220V/50Hz	
				920	436	2.24	220V/60Hz	
GP12TG	11.8	3/8	CSIR	1140	520	2.19	220V/50Hz	



CMA Series



NS/NSA Series



MS/MSA Series

R600a 220V~240V / 50Hz

HERMETIC COMPRESSOR FOR REFRIGERATOR

Part No.	ASHRAE (Eva/Cond'+23.3°C/54.4°C)								
	PTC/ *M~RSCR, *G~RSIR						e-PTC/RSCR		
	Cooling Capacity			Power	COP	EER	Power	COP	EER
	(kcal/hr)	(w/he)	(Btu/hr)	(w)	(w/w)	(Btu/w.hr)	(w)	(w/w)	(Btu/w.h)
CMA057NAEM	84	98	335	51.20	1.91	6.53	49.7	1.97	6.73
CMA062NAEM	96	112	382	58.40	1.92	6.55	56.9	1.97	6.72
CMA069NAEM	103	120	410	62.50	1.92	6.56	61.0	1.97	6.72
CMA075NAEM	120	139	475	72.10	1.93	6.58	70.6	1.97	6.72
CMA082NAEM	129	151	514	78.00	1.93	6.59	76.5	1.97	6.72
CMA089NAEM	139	162	553	83.70	1.94	6.61	82.2	1.97	6.73
CMA098NAEM	155	180	615	94.8	1.90	6.48	93.3	1.93	6.59
CMA0110NAEM	167	194	662	106.40	1.82	6.23	104.9	1.85	6.31
**CMA121NBEM	187	218	744	119.30	1.83	6.24	117.8	1.85	6.32
CMA057NHEM	84	98	335	54.40	1.80	6.15			
CMA062NHEM	97	113	386	61.10	1.85	6.31			
CMA069NHEM	103	120	410	65.00	1.84	6.28			
CMA075NHEM	120	139	475	75.00	1.85	6.33			
CMA082NHEM	127	148	504	80.00	1.84	6.29			
CMA089NHEM	138	161	548	87.00	1.84	6.30			
CMA098NHEM	156	181	618	99.30	1.82	6.22	97.8	1.85	6.32
CMA082NJEG	127	148	505	89.70	1.65	5.63			
CMA089NJEG	138	160	546	97.60	1.64	5.60			
CMA098NJEG	155	180	615	112.50	1.60	5.46			
CMA098NJEM	152	177	604	108.00	1.64	5.60			

R134a220V~240V / 50Hz

LBP HERMETIC COMPRESSOR FOR REFRIGERATOR

Part No.	Application	Series	Dis cc	Cooling Capacity			Power (w)	COP (w/w)	EER (Btu/w.h)
				(kcal/hr)	(w/he)	(Btu/hr)			
NS24LAEG	LBP	NS	2.4	38	44	151	76	0.58	1.99
NS24LBEG	LBP	NS	2.4	36	42	143	64	0.65	2.23
NS30LAEG	LBP	NS	3.0	54	63	214	84	0.78	2.65
NS36LAEG	LBP	NS	3.6	66	77	262	89	0.86	2.94
MSA30LAEG	LBP	MSA	3.0	67	78	266	80	0.97	3.30
MSA43LBEG	LBP	MSA	4.3	100	116	397	106	1.11	3.78
MSA43LAEM	LBP	MSA	4.3	100	116	397	94	1.23	4.20
MA98LAEM	LBP	MA	9.8	240	279	953	183	1.52	5.20
MA53LHEM	LBP	MA	5.3	129	150	512	106	1.42	4.83
MA57LHEM	LBP	MA	5.7	138	160	548	113	1.42	4.85
MA62LHEM	LBP	MA	6.2	150	174	596	137	1.27	4.35
MA69LHEM	LBP	MA	6.9	172	200	683	146	1.38	4.70

OEM BRAND



R134a220V / 50Hz

L/MBP HERMETIC COMPRESSOR FOR REFRIGERATOR

Part No.	Displ. (Cm3)	Power HP	Motor Type	Cooling	Capacity (W)54.4/130 F Condensing Temp										COP W/W		Input Power (W)	
					-35°C	-30°C	-25°C	-23.3°C	-20°C	-15°C	-10°C	-6.7°C	-5°C	0°C	-23.3°C	-6.7°C	-23.3°C	-6.7°C
QD30H	3.0	1/10	RSIR	S	35	49	63	70	90	112	152	170	188	210	0.85	1.9	82	89
QD35H	3.5	1/8	RSIR	S	40	56	72	80	105	128	176	220	242	275	0.9	1.98	89	111
QD43H	4.3	1/7	RSIR	S	47	65	83	110	121	149	216	270	297	338	0.95	2.01	116	134
QD52H	5.5	1/7	RSIR	S	70	95	123	136	177	218	280	350	385	438	1.15	2.01	118	174
QD59H	6.2	1/6	RSIR	S	85	115	149	165	215	265	312	390	430	488	1.2	2	138	195
QD65H	6.6	1/5	RSIR	S	95	129	167	185	241	297	350	430	473	538	1.25	2.02	148	193
QD75H	7.6	1/5+	RSIR	S/F	105	147	190	210	273	337	387	495	545	618	1.25	2.1	168	236
QD91H	8.8	1/5+	RSIR	S/F	115	160	207	230	300	368	425	530	583	655	1.37	2.12	168	250
QD110H	10.6	1/4+	RSIR	F	135	189	243	285	370	456	520	650	715	813	1.41	2.12	202	307
QD120H	11.6	1/3	RSIR	F	165	231	297	330	430	528	576	720	792	900	1.41	2.12	234	340
QD128H	12.3	3/8	RSIR	F	180	252	324	360	468	576	740	925	1018	1156	1.31	2	275	463
QD142H	13.5	3/8+	CSIR	F	195	273	351	390	507	624	800	1000	1100	1250	1.3	2	300	500
QD158H	15.3	3/8+	CSIR	F	215	300	387	430	560	690	890	1120	1230	1400	1.3	2	331	560
QD168H	16.3	1/2	CSIR	F	230	322	415	460	598	736	976	1220	1340	1530	1.3	2	354	610

R22 220~240V/50Hz/1PH Rotary compressor for air-conditioner



Part No.	Number of cylinders	Displ. M1	Capacity		Power(W)	COP(W/W)	Capacitor(uf/V)
			Btu/h	W			
QX-A104L190	Single	10.40	5903	1730	577	3.00	35µF/450V
QX-B161C030A	Single	16.10	9207	2700	830	3.25	25µF/450V
QX-C214E030g	Single	21.10	11867	3480	1070	3.25	35µF/450V
QX-D273F050	Single	27.30	15601	4575	1452	3.15	45µF/450V
QX-D305F050	Single	30.70	17903	5250	1590	3.30	50µF/450V
QXS-F415N050	Twin	41.50	24482	7180	2208	3.25	50µF/450V
QX-34F050gA	Single	33.69	19846	5820	1848	3.15	55µF/450V
QXS-F428N050	Twin	42.80	25200	7390	2346	3.15	50µF/450V

R410A 220~240V/Hz/1PH Rotary compressor for air-conditioner

Part No.	Number of cylinders	Displ. M1	Capacity		Power(W)	COP(W/W)	Capacitor(uf/V)
			Btu/h	W			
QXA-F20F090	Single	20.00	16709	4900	1580	3.10	50µF/450V
QXA-F22F090	Single	22.00	18278	5360	1729	3.10	50µF/450V
QXA-F24F050	Single	24.00	20460	6000	1935	3.10	60µF/450V
QXAS-F265F050	Twin	26.50	22320	6546	2112	3.10	50µF/450V
QXAS-F278N050	Twin	27.80	23415	6867	2215	3.10	50µF/450V
QXAS-F325N050	Twin	32.50	27374	8028	2589	3.10	50µF/450V
QXA-A071L130B	Single	7.10	5664	1660	615	2.70	25µF/450V
QXA-A088L190	Single	8.80	7270	2130	790	2.70	35µF/450V
QXA-B109uB030	Single	10.97	8832	2590	863	3.00	30µF/450V
QXA-C145B030	Single	14.50	12106	3550	1240	2.86	35µF/450V



Rotary compressor for air-conditioner

Motor TFD	Normal power (Hp)	Displ.(m³/h)	Capacitor (Single Phase Select)
220V/240V 50Hz 208V/230V 60Hz 115V 60Hz	R-22, R-410a, R-407C, R-290, R-32	4900BTU ~ 28000BTU	T1, T3
220V/240V 50Hz 208V/230V 60Hz	R-134a, R-22, R-410a, R-290	3800BTU ~ 37000BTU	T1, T3



Rotary compressor for air-conditioner

Motor TFD	Normal power (Hp)	Displ.(m³/h)	Capacitor (Single Phase Select)
220V/240V 50Hz 380V 50Hz 208V/230V 60Hz 115V 60Hz	R-22, R-410a, R-290, R-32	4700BTU ~ 28000BTU	T1, T3



Copeland ZB Series Scroll Compressor

Part No.	Motor TFD	Nominal power (Hp)	Displ. (m ³ /h)	Current		Capacitor (Single Phase Select)	Connction tube (inch)		Oil charge (L)
				(RLA) TFD	(A) PFJ		Discharge	Suction	
ZB15KQ / ZB15KQE	PFJ/TFD	2	5.9	4.3	11.4	40 μ F/370V	1/2	3/4	1.18
ZB19KQ / ZB19KQE	PFJ/TFD	2.5	6.8	4.3	12.9	45 μ F/370V	1/2	3/4	1.45
ZB21KQ / ZB21KQE	PFJ/TFD	3	8.6	5.7	16.4	50 μ F/370V	1/2	3/4	1.45
ZB26KQ / ZB26KQE	PFJ/TFD	3.5	9.9	7.1	18.9	60 μ F/370V	1/2	3/4	1.45
ZB29KQ / ZB29KQE	TFD	4	11.4	7.9	19.3	60 μ F/370V	1/2	7/8	1.36
ZB38KQ / ZB38KQE	TFD	5	14.5	8.9	--	--	1/2	7/8	1.89
ZB45KQ / ZB45KQE	TFD	6	17.2	11.5	--	--	1/2	7/8	1.89
ZB48KQ / ZB48KQE	TFD	7	18.8	12.1	--	--	3/4	7/8	1.80
ZB58KQ / ZB58KQE	TFD	8	22.1	16.4	--	--	7/8	1 1/8	2.51
ZB66KQ / ZB66KQE	TFD	9	25.7	17.3	--	--	7/8	1 3/8	3.25
ZB76KQ / ZB76KQE	TFD	10	28.8	19.2	--	--	7/8	1 3/8	3.25
ZB88KQ / ZB88KQE	TFD	12	33.2	22.1	--	--	7/8	1 3/8	3.25
ZB95KQ / ZB95KQE	TFD	13	36.4	22.1	--	--	7/8	1 3/8	3.30
ZB114KQ / ZB114KQE	TFD	15	43.4	27.1	--	--	7/8	1 3/8	3.30

Copeland ZR Series Scroll Compressor

Part No.	Nominal Power (HP)	Nominal Capacity (W) (Btu/h)		Input power (W)	Current (A)	Displ (cm ³ /rev)	Weight (kg)	Height (mm)	Noisse (dBA)
ZR24K3E-TFD	2.0	5,900	20,119	1,920	4.3	5.92	25.0	383	69.0
ZR36K3E-TFD	3.0	8,900	30,349	2,680	5.7	8.61	28.0	406	71.0
ZR42K3E-TFD	3.5	10,250	34,952	3,100	7.1	9.94	28.0	406	69.0
ZR47K3E-TFD	3.92	11,550	39,385	3,430	7.2	11.16	30.0	436	71.0
ZR61KCE-TFD	5.1	14,000	47,600	4,460	8.4	3.14	28.0	436	71.0
ZR68KCE-TFD	5.7	14,800	54,000	5,100	8.9	3.11	39.0	436	72.0
ZR72KCE-TFD	6.0	16,600	56,500	5,150	9.1	3.22	38.6	457	72.0
ZR81KCE-TFD	6.8	18,600	63,500	5,900	10.9	3.17	39.0	457	72.0
ZR94KCE-TFD	7.8	23,000	78,600	6,950	12.9	3.34	57.2	462	74.0
ZR108KCE-TFD	9.0	28,800	88,100	7,580	13.8	3.40	59.9	497	74.0
ZR125KCE-TFD	10.4	30,000	103,000	8,950	16.0	3.40	61.2	552	74.0
ZR144KCE-TFD	12.0	34,500	11,800	10,150	17.7	3.40	61.2	552	75.0
ZR160KCE-TFD	13.3	37,500	128,000	11,450	20.5	3.28	64.9	552	78.0
ZR190KCE-TFD	15.8	44,000	150,000	13,650	26.5	3.22	66.2	552	82.0
ZR250KCE-TWD	20.8	58,500	200,000	18,000	30.1	3.25	139.3	552	83.0
ZR310KCE-TWD	25.8	72,500	248,000	22,300	37.9	3.25	160.1	552	85.0
ZR380KCE-TWD	31.7	91,500	313,000	26,700	45.5	3.43	176.9	552	88.0

SANYO

Panasonic
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R407C Scroll Compressor



Part No.	Phase	Out Put HP	Displacement cm ³ /rev	Compressor Code	50Hz				60Hz			
					Capacity		COP		Capacity		COP	
					kW	kBTU/h	W/W	BTU/Wh	kW	kBTU/h	W/W	BTU/Wh
C-SBN263H8A	3	3.5	55.7	809 930 88	9.6	32.8	2.87	9.8	11.8	40.3	2.87	9.8
C-SBN303H8A	3	4	66.8	809 940 88	11.6	39.6	3.05	10.4	14.6	49.8	3.17	10.8
C-SBN303H8G	3	4	66.8	809 946 88	11.6	39.6	3.05	10.4	14.6	49.8	3.17	10.8
C-SBN353H8A	3	4.5	77.4	809 942 88	13.4	45.8	2.91	9.9	16.5	56.3	2.95	10.1
C-SBN353H8G	3	4.5	77.4	809 944 88	13.4	45.8	2.91	9.9	16.5	56.3	2.95	10.1
C-SBN373H8A	3	5	83.2	809 950 88	14.5	49.5	2.93	10.0	17.8	60.8	2.99	10.2
C-SBN373H8G	3	5	83.2	809 956 88	14.5	49.5	2.93	10.0	17.8	60.8	2.99	10.2
C-SBN453H8A	3	6	100.0	809 960 88	17.6	60.1	3.03	10.3	21.3	72.7	3.04	10.4
C-SBN453H8G	3	6	100.0	809 966 88	17.6	60.1	3.03	10.3	21.3	72.7	3.04	10.4
C-SBS235H38A	3	7	110.2	--	19.5	66.6	3.10	10.6	23.4	79.9	3.10	10.6
C-SBS235H38B	3	7	110.2	--	19.5	66.6	3.10	10.6	23.4	79.9	3.10	10.6
C-SCN583H8H				809 184 88	23.6	80.6	3.13	10.7	28.0	95.6	3.03	10.3
C-SCN583H8K	3	8	131.9	809 186 88	23.6	80.6	3.13	10.7	28.0	95.6	3.03	10.3
C-SCN583H8T				809 187 88	23.6	80.6	3.13	10.7	28.0	95.6	3.03	10.3
C-SCN603H8H				809 181 88	24.5	83.6	3.16	10.8	29.1	99.4	3.08	10.5
C-SCN603H8K	3	8	137.0	809 183 88	24.5	83.6	3.16	10.8	29.1	99.4	3.08	10.5
C-SCN603H8T				809 185 88	24.5	83.6	3.16	10.8	29.1	99.4	3.08	10.5
C-SCN673H8H				809 191 88	26.5	90.5	3.12	10.7	32.0	109.3	3.06	10.4
C-SCN673H8K	3	9	148.8	809 193 88	26.5	90.5	3.12	10.7	32.0	109.3	3.06	10.4
C-SCN753H8H				809 101 88	29.9	102.1	3.20	10.9	35.9	122.6	3.12	10.7
C-SCN753H8K	3	10	171.2	809 103 88	29.9	102.1	3.20	10.9	35.9	122.6	3.12	10.7
C-SCN753H8T				809 105 88	29.9	102.1	3.20	10.9	35.9	122.6	3.12	10.7
C-SCN903H8H				809 121 88	34.9	119.2	3.09	10.5	--	--	--	--
C-SCN903H8K	3	12	205.4	809 123 88	34.9	119.2	3.09	10.5	--	--	--	--
C-SCN903H8T				809 125 88	34.9	119.2	3.09	10.5	--	--	--	--

Danfoss



R404A Scroll Compressor

Part No.	HP	(W)		(W)	(A)		(Btu/Wh)	(cc/Rev.)	(l)
		W	Btu/h	kW	COP		cm ³ /rev	m ³ /h	l
					W/W	Btu/h/W			
MLZ015	2	3,300	11,300	1.75	1.89	6.45	33.8	5.9	1.1
MLZ019	2.5	4,500	15,400	2.16	2.06	7.03	43.5	7.6	1.1
MLZ021	3	4,700	16,000	2.27	2.08	7.10	46.2	8.0	1.1
MLZ026	3.5	5,800	19,800	2.9	2.00	6.83	57.1	9.9	1.1
MLZ030	4	7,100	24,200	3.35	2.11	7.20	68.8	12.0	1.6
MLZ038	5	8,400	28,700	3.86	2.19	7.47	81.0	14.1	1.6
MLZ045	6	10,200	34,800	4.81	2.11	7.20	98.6	17.2	1.6
MLZ048	7	11,100	37,900	5.17	2.14	7.30	107.5	18.7	1.6
MLZ058	7.5	13,000	44,400	6.08	2.13	7.27	126.0	21.9	2.7
MLZ066	9	15,100	51,500	7.01	2.15	7.34	148.8	25.9	2.7
MLZ076	10	17,300	59,000	7.93	2.18	7.44	162.4	28.3	2.7

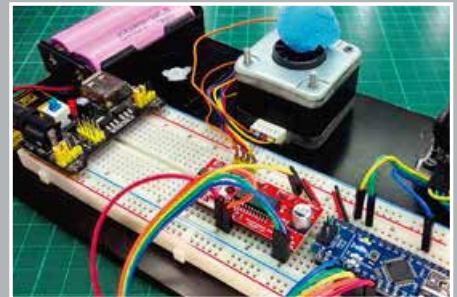


④ FAN & MOTOR

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FavorCOOL[®]

QUALITY DELIVERED



YJF Series Condenser Fan Motor



YJFN Series Condenser Fan Motor



EBM Series Condenser Fan Motor



Part No.	Part No.	Part No.	Power (W)	Voltage (VAC)	Frequency (Hz)	Diameter (mm)	RPM	Rotation
YJF203	YJFN203	EBM203	3	110V or 220V	50/60	154	1300/1550	CW or CCW
YJF205	YJFN205	EBM205	5	110V or 220V	50/60	170/200	1300/1550	CW or CCW
YJF207	YJFN207	EBM207	7	110V or 220V	50/60	220/230	1300/1550	CW or CCW
YJF310	YJFN310	EBM310	10	110V or 220V	50/60	230	1300/1550	CW or CCW
YJF316	YJFN316	EBM316	16	110V or 220V	50/60	230/250	1300/1550	CW or CCW
YJF318	YJFN318	EBM318	18	110V or 220V	50/60	230/250	1300/1550	CW or CCW
YJF325	YJFN325	EBM325	25	110V or 220V	50/60	250/300	1300/1550	CW or CCW
YJF334	YJFN334	EBM334	34	110V or 220V	50/60	300	1300/1550	CW or CCW



Grid



Flange



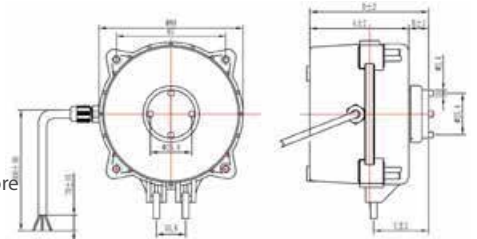
Fan Blade



Bracket

EC Motor

- EC Motor's efficiency rate is significantly raised to 60%, while that of ordinary motor is only 20%;
- Permanent magnet brushless;
- More energy saving, more steady, more popular and more environment friendly.



EC



Part No.	Voltage	Frequency	Input	Current	Speed	Air Volume	Fan Blade	License
GE7108	220-240	50/60	4.5	0.04	1300	420	Φ170/28°	VDE CE UL
GE7112	220-240	50/60	9.5	0.08	1300	660	Φ230/28°	VDE CE UL

Cross Flow Fan (Low Noise)



Part No.	Voltage (VAC)	Diameter (mm)	Power (w)	RPM	Air Flow (m³/h)	Wheel Length (mm)
BW-1	220	60	33	1800	150	180
BW-2	220	60	33	1700	170	240
BW-3	220	60	45	1450	250	360

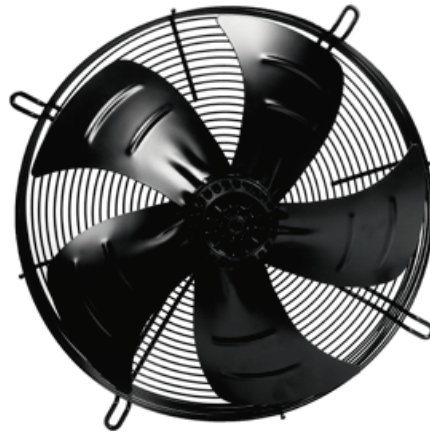


Axial Fan

We can also supply other fan motors with different voltages and frequencies according to clients' requirement.

The insulation class of the R series axial fans is B or F.

CE, TUV, ERP certified.



with steel frame(optional)

Part No.	V/Hz	Power (w)	Current (A)	Air Volume (m ³ /h)	Noise (dBA)	Fan Size (mm)	speed(r/min)	N.W.(kgs)
R09E-2030A-4M	220/50	22	0.11	385	50	200	1400	2
R09E-2530A-4M	220/50	50	0.23	880	55	250	1430	2.7
R09E-3030A-4M	220/50	80	0.4	1450	60	300	1380	3.2
R09E-3030A-4T	380/50	70	0.22	1450	60	300	1440	3.2
R11E-3530A-4T	380/50	150	0.45	2350	65	350	1380	4.6
R11E-3530A-4M	220/50	150	0.7	2350	65	350	1380	4.6
R11E-3530A-6M	220/50	75	0.4	1670	65	350	930	4.6
R11E-4030A-4T	380/50	200	0.6	3745	68	400	1380	5.2
R11E-4030A-4M	220/50	200	0.95	3754	68	400	1350	5.2
R11E-4030A-6M	220/50	120	0.55	2555	68	400	920	5.2
R11E-4530A-4T	380/50	250	0.55	4500	70	450	1380	6.8
R11E-4530A-4M	220/50	250	1.15	4500	70	450	1320	6.8
R11E-4530A-6M	220/50	95	0.46	3200	56	450	910	6.8
R13E-5030A-4T	380/50	380	0.75	6445	70	500	1320	9.8
R13E-5030A-4M	220/50	450	2.1	6445	70	500	1350	9.8
R13E-5030A-6M	220/50	175	0.8	4410	58	500	920	9.6
R13E-5625A-4T	380/50	600	1.2	8415	70	560	1350	11
R13E-5625A-6T	380/50	200	0.52	6355	60	560	900	10.8
R13E-5625A-6M	220/50	220	1.0	6355	60	560	880	10.8
R13E-6325A-6T	380/50	330	1.2	7960	68	630	930	15.5
R13E-6325A-6M	220/50	350	1.8	7960	68	630	920	15.5
R13E-7125A-6T	380/50	440	1.05	10165	68	710	810	19.5
R13E-8025A-6T	380/50	1100	2.4	21500	83	800	900	35

To be adjusted as per specific requirement.



SM102J



2J01289B



KM334



YJF607A-5C



SM672



SM998



MA-61103D-2Z



PSC4W(YZF3206)



YZF2261



D4612AAA21

Part No.	Voltage (V)	Frequency (Hz)	Current (A)	Input (W)	Shaft Size (Inch)	Rotation
SM102J	220	50/60	0.12	13	1/8" x 1"	CW
2J01289B	220	50/60	0.085	8	--	CCW
KM334	220	50/60	0.18	15	3/16" x 1/16"	CW
YJF607A-5C	220	50/60	0.065	7	1/8" x 1-5/16"	CW/CCW
SM672	220	50/60	0.32	20	3/16" x 1-7/16"	CW/CCW
SM998	240	50	0.2	18	1/8" x 2"	CW
MA-61103D-2Z	220	50/60	0.06	6	--	CW
PSC4W	220	50/60	0.2	27	--	CCW
YZF2261	220	50	0.08	6.5	1/8" x 1-5/16"	CW/CCW
DC D4612AAA21	12	--	0.233	3.3	--	CCW

Axial Flow Draft Fan

Operating temperature: -10°C to 70°C (Sleeve) -20°C to 80°C (Ball)
 Operating voltage: 110V ranged from 85V to 125V
 220V ranged from 190V to 245V
 Operating humidity: between 20% to 85%
 Insulation resistance: 10MΩ at 500VDC
 Dielectric strength: 1 minute at 1500VAC/50-60Hz
 Current: <50mA



Q Type

Part No.	Bearing	Voltage (V)	Current (A)	Noise dB (A)	Power (W)	RPM	Airflow (CFM)
FC8025A2HSL	Sleeve	220	0.08/0.07	29/33	17.6/15.4	2100/2250	17/21
FC8025A2HBL	Ball	220	0.08/0.07	30/34	17.6/15.4	2200/2300	18/22
FC8038A2HSL	Sleeve	220	0.07/0.06	31/35	15.4/13.2	2200/2400	30/35
FC8038A2HBL	Ball	220	0.07/0.06	32/36	15.4/13.2	2200/2400	30/35
FC9225A2HSL	Sleeve	220	0.08/0.07	32/36	17.6/15.4	2000/2150	25/31
FC9225A2HBL	Ball	220	0.08/0.07	34/38	17.6/15.4	2050/2200	27/32
FC1025A2HSL	Sleeve	220	0.08/0.07	32/36	17.6/15.4	2000/2150	45/55
FC1025A2HBL	Ball	220	0.08/0.07	34/38	17.6/15.4	2050/2200	46/56
FC1225A2HSL	Sleeve	220	0.08/0.07	33/37	17.6/15.4	2000/2150	58/73
FC1225A2HBL	Ball	220	0.08/0.07	34/38	17.6/15.4	2050/2200	60/76
FC1238A2HSL	Sleeve	220	0.14/0.12	44/46	30.8/22.0	2600/3000	75/90
FC1238A2HBL	Ball	220	0.14/0.12	45/47	30.8/22.0	2600/3000	77/92



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5 VALVE & CONTROL



QUALITY DELIVERED



Shut-off Valve (Hand Valves)



Part No.	Connection
HT-04	1/4" flare
HT-06	3/8" flare
HT-08	1/2" flare
HT-10	5/8" flare
HT-12	3/4" flare



Part No.	Connection
HT-04S	1/4" ODF
HT-06S	3/8" ODF
HT-08S	1/2" ODF
HT-10S	5/8" ODF
HT-12S	3/4" ODF

Rotalock Valves

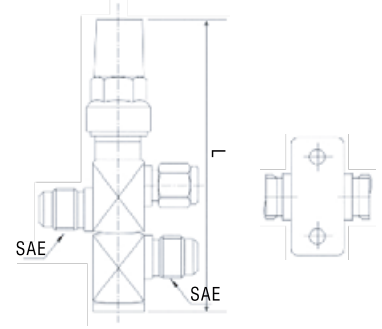


Part No.	Tube	Thread
V01	3/8"	1" x 14
V02	1-1/8"	1-3/4" x 12
V03	1-3/8"	1-3/4" x 12
V04	3/4"	1-1/4" x 12
V05	7/8"	1-1/4" x 12
V06	1/2"	1" x 14
V07	7/8"	1-3/4" x 12
V08	5/8"	1" x 14
V09	5/8"	1-1/4" x 12



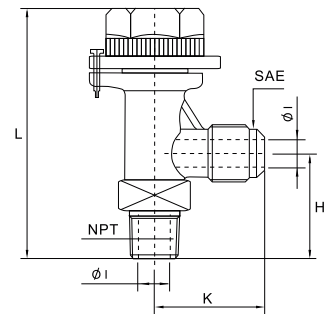
Part No.	Tube	Thread
VS01	3/8"	1" x 14
VS02	1-1/8"	1-3/4" x 12
VS03	1-3/8"	1-3/4" x 12
VS04	3/4"	1-1/4" x 12
VS05	7/8"	1-1/4" x 12
VS06	1/2"	1" x 14
VS07	7/8"	1-3/4" x 12
VS08	5/8"	1" x 14
VS09	5/8"	1-1/4" x 12

Vertical Valves With Bracket



Part No.	SAE		L (mm)	Valve body
	inch	mm		
TBVF1	1/4"	6	110	20
TBVF2	3/8"	10	110	20
TBVF3	1/2"	12	110	20
TBVF4	5/8"	16	110	20
TBVF5	3/4"	19	153	30
TBVF6	7/8"	22	153	30

Safety Valves



Part No.	SAE Flare	NPT	H(mm)	K (mm)	I (mm)	L (mm)
SV1	1/4"	1/4"	33.5	32	7	81
SV2	1/2"	1/4"	33.5	32	7	81
SV3	3/8"	3/8"	32.5	35	7	81.5
SV4	1/2"	3/8"	32.5	35	7	81.5
SV5	5/8"	1/2"	36.5	41	9.5	90

Bi-directional Ball Valves



Part No.	ODF		Part No.	ODF		Part No.	ODF	
	mm	inch.		mm	inch.		mm	inch.
BV001-1	-	1/4"	BV006	16	-	BV0012	-	1/4"
BV001	10	-	BV007	-	3/4"	BV0013	10	-
BV002	-	3/8"	BV008	22	7/8"	BV0014	-	3/8"
BV003	12	-	BV009	28	-	BV0015	12	-
BV004	-	1/2"	BV0010	-	1-1/8"	BV0016	-	1/2"
BV005	16	5/8"	BV0011	35	1-3/8"	BV0017	16	5/8"

Split A/C Valves



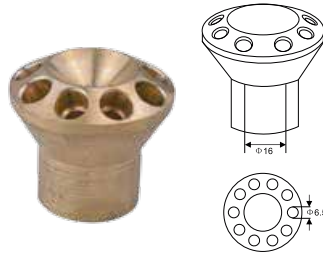
Part No.	Tube	Connection Thread
FC-602	1/4"	7/16"-20UNF
FC-603	3/8"	5/8"-18UNF
FC-604	1/2"	3/4"-16UNF
FC-605	5/8"	7/8"-14UNF
FC-606	3/4"	1-1/16"-14UNF

Quick Coupler



WX-02 Connection 1/4"

FB Liquid Distributor



Part No.	Inlet (mm)	Outlet (mm)	Hole Quantity
FB - 16 x 6.35/3	Ø16	Ø6.35	3
FB - 16 x 6.35/4	Ø16	Ø6.35	4
FB - 16 x 6.35/5	Ø16	Ø6.35	5
FB - 16 x 6.35/6	Ø16	Ø6.35	6
FB - 16 x 6.35/7	Ø16	Ø6.35	7
FB - 16 x 6.35/8	Ø16	Ø6.35	8
FB - 16 x 6.35/9	Ø16	Ø6.35	9
FB - 16 x 6.35/10	Ø16	Ø6.35	10
FB - 16 x 6.35/12	Ø16	Ø6.35	12

* To be adjusted as per specific requirement.

Thermostat Expansion Valves (Danfoss Type)



Flare x Flare Connection Without Orifice

Refrigerant	Part No.	Pressure Equalization	Capillary Tybe (m)	Connection		Danfoss Code
				Inlet x Outlet		N Series (-40~+10°C)
				inch*inch	mm*mm	Without MOP
R22	TX2	int.	1.5	3/8 x 1/2	10 x 12	068Z3206
	TEX2	ext.		3/8 x 1/2	10 x 12	068Z3209
R407C	TZ2	int.	1.5	3/8 x 1/2	10 x 12	068Z3496
	TEZ2	ext.		3/8 x 1/2	10 x 12	068Z3501
R134A	TN2	int.	1.5	3/8 x 1/2	10 x 12	068Z3346
	TEN2	ext.		3/8 x 1/2	10 x 12	068Z3348
R404A/R507	TS2	int.	1.5	3/8 x 1/2	10 x 12	068Z3400
	TES2	ext.		3/8 x 1/2	10 x 12	068Z3403

Orifice: - 40 ~ + 40°C



Orifice Number	Nominal Capacity (TR)				Nominal Capacity (KW)				Danfoss Code
	R22	R407C	E134A	R404A/R507	R22	R407C	R134A	R404A/R507	
0X	0.15	0.16	0.11	0.11	0.5	0.5	0.4	0.38	068-2002
00	0.3	0.3	0.25	0.21	1	1.1	0.9	0.7	068-2003
01	0.7	0.8	0.5	0.45	2.5	2.7	1.8	1.6	068-2010
02	1	1.1	0.8	0.6	3.5	3.8	2.6	2.1	068-2015
03	1.5	1.6	1.3	1.2	5.2	5.6	4.6	4.2	068-2006
04	2.3	2.5	1.9	1.7	8	8.6	6.7	6	068-2007
05	3	3.2	2.5	2.2	10.5	11.3	8.6	7.7	068-2008
06	4.5	4.9	3	2.6	15.5	16.7	10.5	9.1	068-2009

Refrigerant Cylinder Valve



QF-13D



QF-13Y



QF-13E



QF-07
(Disposable cylinder)

Part.No	Working pressure(mpa)	Nominal Path (mm)	Outlet thread	Inlet thread	Safety device (mpa)
QF-13Y	3.2	4	G7/16 (1/4 SAE)	PZ27.8	39-4.5
QF-13E	3.2	4	G7/16 (1/4 SAE)	PZ19.2	39-4.5
QF-13D	3.2	8	G5/8	PZ27.8	39-4.5
QF-07	3.2	4	G7/16 (1/4 SAE)	PZ27.8	39-4.5

4-Way Reversing valves



DSF-9

SW-01

DSF-20

Part No.	Connection (ODF)
DSF-4	Discharge:5/16", Suction:3/8"
DSF-9	Discharge:3/8", Suction:1/2"
DSF-11	Discharge:1/2", Suction:5/8"
DSF-11B	Discharge:3/8", Suction:5/8"
DSF-20	Discharge:1/2", Suction:3/4"
DSF-20B	Discharge:1/2", Suction:7/8"
DSF-34	Discharge:3/4", Suction:7/8"
DSF-45	Discharge:7/8", Suction:1-1/8"
SW-01	Coil: 220V, 50Hz/60Hz, 6W/5W

Solenoid Valves (Danfoss Type)



Part No.	Coil	Connection		Connection		
		inch	mm	Flare inch/mm	ODF inch	ODF mm
EVR3	a.c/d.c	1/4	6	032F8107	032F1206	032F1207
		3/8	10	032F8116	032F1204	032F1208
EVR6	a.c/d.c	3/8	10	032F8072	032F1212	032F1213
		1/2	12	032F8079	032F1209	032F1236
EVR10	a.c/d.c	1/2	12	032F8095	032F1217	032F1218
		5/8	16	032F8098	032F1214	032F1214
EVR15	a.c/d.c	5/8	16	032F8101	032F1228	032F1228
		7/8	22	--	032F1225	032F1225
EVR20	a.c	7/8	22	--	032F1240	032F1240
		1-1/8	28	--	032F1244	032F1208
EVR22	a.c	1-3/8	--	--	032F3267	--
EVR25	a.c	1-1/8	--	--	032F2201	--
		1-3/8	--	--	032F2208	--
EVR32	a.c	1-3/8	--	--	042H1106	--
		1-5/8	--	--	042H1104	--
EVR40	a.c	1-5/8	--	--	042H1110	--
		2-1/8	--	--	042H1112	--



Solenoid Valve (Castel Type)



Flare



Soldering



This product could be applied to R410a system.

Part No.	Connection size	Part No.	Connection size	Part size (mm)	M.O.P.D.(Bars)	Kv Factor(m ³ /hr)
SV1020/2	1/4" Flare	SV1028/2	1/4" Copper solder	2.5	21	0.175
SV1020/3	3/8" Flare	SV1028/3	3/8" Copper solder	3.0	18	0.230
SV1064/3	3/8" Flare	SV1068/3	3/8" Copper solder	7.0	21	0.800
SV1064/4	1/2" Flare	SV1068/4	1/2" Copper solder	7.0	21	0.800
SV1070/4	1/2" Flare	SV1078/4	1/2" Copper solder	12.5	21	2.200
SV1070/5	5/8" Flare	SV1078/5	5/8" Copper solder	12.5	21	2.600
SV1070/6	3/4" Flare	SV1078/6	3/4" Copper solder	17.0	21	4.300
SV1090/6	3/4" Flare	SV1098/6	3/4" Copper solder	16.5	21	5.700



Brass Fittings



Short Nut



Forged Brass Nut



Union



Union Tee



90° Elbow (SAE*SAE)

Part No.		Part No.		Part No.		Part No.		Part No.	
SN-04 1/4"	SN-08 1/2"	FN-04 1/4"	FN-10 5/8"	U-04 1/4"	U-08 1/2"	UT-04 1/4"	UT-10 5/8"	E-04 1/4"	E-10 5/8"
SN-05 5/8"	SN-10 5/8"	FN-06 3/8"	FN-12 3/4"	U-05 5/16"	U-10 5/8"	UT-06 3/8"	UT-12 3/4"	E-06 3/8"	E-12 3/4"
SN-06 3/8"	SN-12 3/4"	FN-08 1/2"		U-06 3/8"	U-12 3/4"	UT-08 1/2"		E-08 1/2"	



Adapter for R410A



Reducing Union (SAE*SAE)



Adapter for R410A



Male Connector (SAE*NPT)



Reducer (Solder)

Part No.		Part No.		Part No.		Part No.		Part No.	
FC-00A	1/4" M*5/16" F with depressor and valve core	RU-06x04	RU-10x08	AD78	1/4" SAE Female x 1/2"-20UNF(5/16" SAE) male with depressor and valve core	MC-04x02	MC-06x08	SR-04x04	SR-08x10
		RU-08x04	RU-12x08				MC-04x04	RU-08x04	SR-04x06
FC-00B	5/16" M*1/4" F with depressor and valve core	RU-10x04	RU-12x10	AD87	1/2"-20UNF(5/16" SAE) Female x 1/4" SAE male with depressor and valve core	MC-04x06	MC-08x06	SR-04x08	SR-10x08
		RU-10x06					MC-04x08	MC-08x08	SR-06x06
						MC-06x04	MC-10x08	SR-06x08	SR-10x12
						MC-06x06		SR-06x10	

Ball valve for charging-hose



Part No.	Description
BC-01	1/4" M*5/16" F
BC-02	5/16" M*1/4" F
BC-03	1/4" M*1/4" F

Multi-step Solder Union



Part No.	Description
CT-7000	For 3/16", 1/4", 5/16", 3/8" or 1/2" tube

Adapter for R1234yf



Part No.	Description
FR-04x08L	1/4" SAE female x W21.8-14 LH male
FR-08Lx04	W21.8-14LH female x 1/4" SAE male



Capillary Tube with Nuts



Access Valves

Part No.	Connection (ODF)
HT-03A	Completed with valve core, valve core remover & tube 3/16" O.D.
HT-04A	Completed with valve core, valve core remover & tube 1/4" O.D.
HT-06A	Completed with valve core, valve core remover & tube 3/8" O.D.
HT-04B	Completed with valve core, quick seal cap & tube 1/4" O.D.
CTN-90	Capillary tube 1/8"x90cm with two nuts
CTN-100	Capillary tube 1/8"x100cm with two nuts
CTN-150	Capillary tube 1/8"x150cm with two nuts

Copper Spun Filter Drier



Part No.	Molecular Sieve	Dia.	Inlet	Outlet	Description
XS110	10g	5/8"	1/4"	1/4"	Copper shells and end tubes
XS115	15g	3/4"	1/4"	1/4"	Copper shells and end tubes
XS120	20g	3/4"	1/4"	1/4"	Copper shells and end tubes
XS210	10g	5/8"	1/4"	1/4" or capillary	Plastic cap covered ends
XS215	15g	3/4"	1/4"	1/4" or capillary	Plastic cap covered ends
XS220	20g	3/4"	1/4"	1/4" or capillary	Plastic cap covered ends
XS225	25g	1"	1/4"	1/4" or capillary	Plastic cap covered ends
XS230	30g	1"	1/4"	1/4" or capillary	Plastic cap covered ends
XS320	20g	1"	1/4", 1/4"	1/4"	Double inlet, fused ends
XS420	20g	1"	1/4", 1/4" SAE	1/4"	charging drier

Sight Glass



Part No.	Description
FC-04CF	1/4" x 1/4" Flare with two nuts
FC-06CF	3/8" x 3/8" Flare with two nuts
FC-08CF	1/2" x 1/2" Flare with two nuts
FC-10CF	5/8" x 5/8" Flare with two nuts

Part No.	Description
FC-04CS	1/4"x1/4" copper solder type
FC-06CS	3/8"x3/8" copper solder type
FC-08CS	1/2"x1/2" copper solder type
FC-10CS	5/8"x5/8" copper solder type

Sight Glass (Danfoss Type)



Part No.	Connection	Size		Danfoss Code
		inch*inch	mm*mm	
SGN 6	Flare M*M	1/4" x 1/4"	6 x 6	014-0161
SGN 10	Flare M*M	3/8" x 3/8"	10 x 10	014-0162
SGN 12	Flare M*M	1/2" x 1/2"	12 x 12	014-0163
SGN 16	Flare M*M	5/8" x 5/8"	16 x 16	014-0165
SGN 19	Flare M*M	3/4" x 3/4"	19 x 19	014-0166



Part No.	Connection	Size		Danfoss Code
		inch*inch	mm*mm	
SGN 6	Flare F*M	1/4" x 1/4"	6 x 6	014-0171
SGN 10	Flare F*M	3/8" x 3/8"	10 x 10	014-0172
SGN 12	Flare F*M	1/2" x 1/2"	12 x 12	014-0173
SGN 16	Flare F*M	5/8" x 5/8"	16 x 16	014-0174
SGN 19	Flare F*M	3/4" x 3/4"	19 x 19	014-0175

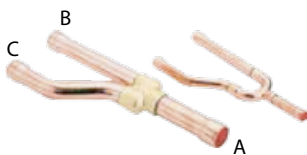


Part No.	Connection	Size		Danfoss Code
		inch*inch	mm*mm	
SGN 6s	Solder ODF x ODF	1/4" x 1/4"	--	014-0181
SGN 10s	Solder ODF x ODF	3/8" x 3/8"	--	014-0182
SGN 12s	Solder ODF x ODF	1/2" x 1/2"	--	014-0183
SGN 16s	Solder ODF x ODF	5/8" x 5/8"	16 x 16	014-0184
SGN 19s	Solder ODF x ODF	3/4" x 3/4"	19 x 19	014-0185
SGN 22s	Solder ODF x ODF	7/8" x 7/8"	22 x 22	014-0186



Part No.	Connection	Size		Danfoss Code
		inch*inch	mm*mm	
SGN 6fs	Solder ODF x SAE	1/4" x 1/4"	--	--
SGN 10fs	Solder ODF x SAE	3/8" x 3/8"	--	--
SGN 12fs	Solder ODF x SAE	1/2" x 1/2"	--	--
SGN 16fs	Solder ODF x SAE	5/8" x 5/8"	3/4"	--
SGN 19fs	Solder ODF x SAE	3/4" x 3/4"	3/4"	--
SGN 22fs	Solder ODF x SAE	7/8" x 7/8"	3/4"	--

Distribute Tube for Toshiba Central Air-conditioner



RBM-BY303E

Part No.		A	B	C
RBM-BY53E	gas tube	15.9	12.7	12.7
	liquid tube	12.7	9.5	9.5
RBM-BY103E	gas tube	22.2	19.1	19.1
	liquid tube	15.9	12.7	12.7
RBM-BY203E	gas tube	31.8	28.6	28.6
	liquid tube	15.9	15.9	15.9
RBM-BY303E	gas tube	38.1	38.1	38.1
	liquid tube	22.2	19.1	19.1



Distribute Tube for Dakin Central Air-conditioner



KHR26M22T

Part No.		A	B	C
11T	gas tube	19.05/15.88	15.88/12.7	15.88/12.7
	liquid tube	9.52	9.52/6.35	9.52/6.35
18T	gas tube	19.05/15.88	19.05/15.88/12.7	15.88/12.7
	liquid tube	9.52	9.52/6.35	9.52/6.35
22T	gas tube	19.05/15.88/12.7	15.88/12.7	15.88/12.7
	liquid tube	9.52	9.52/6.35	9.52/6.35
33T	gas tube	19.05/22.22	19.05/15.88	15.88/12.7
	liquid tube	12.7/9.52	9.52/6.35	9.52/6.35
37T	gas tube	25.4/28.58/31.8	25.4/19.05/15.88	19.05/15.88/12.7
	liquid tube	12.7/15.88	12.7/9.52	12.7/9.52/6.35
40T	gas tube	31.8/38.1	31.8/28.58/25.4	25.4/19.05/15.88
	liquid tube	19.05/15.88	19.05/15.88/12.7	15.88/12.7/9.52
72T	gas tube	25.4/28.58/31.8	25.4/19.05/15.88	19.05/15.88/12.7
	liquid tube	12.7/15.88	12.7/9.52	12.7/9.52/6.35
73T	gas tube	31.8/38.1	31.8/28.58/25.4	25.4/19.05/15.88
	liquid tube	19.05/15.88	19.05/15.88/12.7	15.88/12.7/9.52

Distribute Tube for Mitsubishi Central Air-conditioner



DIS-2A

Part No.		A	B	C
DIS-2A-1	gas tube	38.1/31.8	28.58/25.4	28.58/25.4
	liquid tube	22.22/19.05/15.88	12.7	12.7
DIS-22-1	gas tube	19.05/15.88/12.7	15.88/12.7/9.52	15.88/12.7/9.52
	liquid tube	9.52	9.52/6.35	9.52/6.35
DIS-180-1	gas tube	22.22/19.05/15.88	19.05/15.88/12.7/9.52	19.05/15.88/12.7/9.52
	liquid tube	15.88/12.7/9.52	12.7/9.52/6.35	12.7/9.52/6.35
DIS-371-1	gas tube	31.8/28.58/25.4	25.4/22.22/19.05	25.4/22.22/19.05
	liquid tube	15.88/12.7	15.88/12.7/9.52/6.35	15.88/12.7/9.52/6.35
DIS-540-1	gas tube	38.1/31.8/28.6	31.8/28.58/25.4/19.05	31.8/28.58/25.4/19.05
	liquid tube	22.22/19.05/15.88/12.7	19.05/15.88/12.7/9.52	19.05/15.88/12.7/9.52

Magnetic check Valve

Magnet valve seat, tectorial diaphragm. Copper connection size 1/4" to 3-1/8".

Near zero internal leak rate.

Compatible with all CFC, HCFC and HFC refrigerants and oils.

Working temperature range: -40°C~+130°C.

Minimum current resistance, large flow rate.

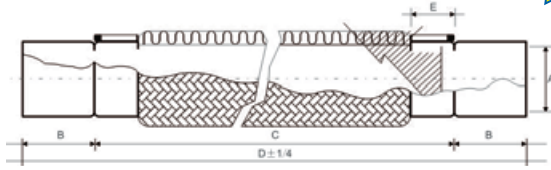
Small volume, light weight and can be installed in any position.

Mesh in the valve body, it's not just a check valve, but also a filter.



Part No.	Connection	Safety working Pressure (KPa)	OD (mm)	Length (mm)	Mesh No.	Liquid Capacity (KW)
CV-4	1/4	5500	22	102	40	6.8
CV-6	3/8	5500	22	102	40	14.2
CV-8	1/2	5200	29	127	40	38.2
CV-10	5/8	5200	29	127	40	42.6
CV-12	3/4	4100	41	178	40	79.7
CV-14	7/8	4100	41	178	40	108.5
CV-18	1-1/8	4100	54	213	40	188.5
CV-22	1-3/8	4000	67	238	40	232.8
CV-26	1-5/8	3000	80	267	40	397.7
CV-34	2-1/8	3200	92	305	40	691.1
CV-42	2-5/8	3000	105	330	40	927.3
CV-50	3-1/8	3000	105	330	40	1262.5

Vibration Eliminator



Part No.	I.D. (inch)	Length (inch)	Max Working Pressure (psig)	Burst Pressure (psig)	A (I.D) mm	B (±3) mm	C (±3) mm	D (±6) mm	E (±1.5) mm
DH-1	3/8	8-9/16	500	2500	9.62	20	177.5	217.5	13
DH-2	1/2	9	500	2500	12.8	20	188.6	228.6	13
DH-3	5/8	9-7/8	500	2500	16.2	22	206.8	250.8	17
DH-4	3/4	10-9/16	500	2500	19.2	28	212.3	268.3	17
DH-5	7/8	12	500	2500	22.5	30	244.8	304.8	18
DH-6	1-1/8	13-9/16	500	2500	28.8	38	255.3	331.3	20
DH-7	1-3/8	15-9/16	500	2500	35.3	40	315	395	22
DH-8	1-5/8	16-7/8	500	2500	41.7	50	328.6	428.6	23
DH-9	2-1/8	20-5/8	390	1950	54.5	60	403.8	523.8	23
DH-10	2-5/8	24-5/16	340	1700	67	76	465.5	617.5	25
DH-11	3-1/8	26-15/16	300	1500	79.6	85	514.2	684.2	25
DH-12	3-5/8	32-3/16	175	252	92.5	100	617.5	817.5	25
DH-13	4-1/8	32-15/16	175	252	104.9	110	616.6	836.6	25

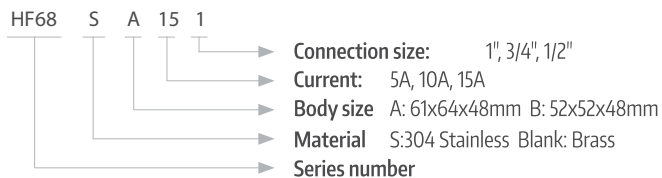
Motorized Valve



Part No.	Description	Connect thread (NPT)	Kv (Cv)	Differential shut-off pressure (Mpa)
MV-E01A-12	2-Way, Erie C type	1/2"	2.2(2.5)	0.20
MV-E01B-12	3-Way, Erie C type	1/2"	2.6(3.0)	0.20
MV-E01A-58	2-Way, Erie C type	5/8"	3.0(3.5)	0.18
MV-E01B-58	3-Way, Erie C type	5/8"	3.4(4.0)	0.18
MV-E01A-34	2-Way, Erie C type	3/4"	3.0(3.5)	0.18
MV-E01B-34	3-Way, Erie C type	3/4"	3.4(4.0)	0.18
MV-E01A-1	2-Way, Erie C type	1"	6.9(8.0)	0.15
MV-E01B-1	3-Way, Erie C type	1"	6.5(7.5)	0.15

Flow Switch

Nomenclature



HF68SA



HF68A

Part No.	Current		Voltage	Connection Size			Flow capacity	Material	
	10A	15A	125-250V	1"	3/4"	1/2"	18-2000L/S	SS316	Brass
HF68A-15-1	--	√	√	√	--	--	√	--	√
HF68A-15-3/4	--	√	√	--	√	--	√	--	√
HF68A-15-1/2	--	√	√	--	--	√	√	--	√
HF68B-10-1	√	--	√	√	--	--	√	--	√
HF68B-10-3/4	√	--	√	--	√	--	√	--	√
HF68B-10-1/2	√	--	√	--	--	√	√	--	√
HF68SA-15-1	--	√	√	√	--	--	√	√	--
HF68SB-10-3/4	√	--	√	--	√	--	√	√	--
HF68SB-10-1/2	√	--	√	--	--	√	√	√	--



Pressure Controller



Part No.	A.C.110	A.C.220
Non-Inductive Current	24	16
Full Load	24	16
Starting	144	96

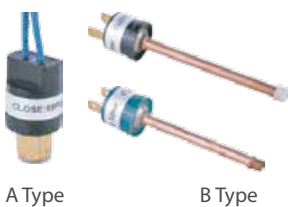
Part No.	Low Pressure (MPa)	High Pressure (MPa)	Differential (MPa)		Reset		Max. work pressure	
	Adjust range	Adjust range	L.P.	H.P.	L.P.	H.P.	L.P.	H.P.
HLP110	0.1~1.0	--	0.1~0.3	--	Auto	--	1.7	--
HLP506	-0.05~0.6	--	0.1~0.4	--	Auto	--	1.7	--
HLP506M	-0.05~0.6	--	≤0.2 fixed	--	Manual	--	1.7	--
HLP520	--	0.4~2.0	--	0.2~0.5	--	Auto	--	3.3
HLP530M	--	0.5~3.0	--	≤0.4 fixed	--	Manual	--	3.3
HLP530D	--	0.5~3.0	--	0.5~1.0	--	Auto	--	3.3
HLP830	-0.05~0.6	0.5~3.0	0.1~0.4	≤0.4 fixed	Auto	Auto	1.7	3.3
HLP830HM	-0.05~0.6	0.5~3.0	0.1~0.4	≤0.4 fixed	Auto	Manual	1.7	3.3
HLP830HLM	-0.05~0.6	0.5~3.0	≤0.4 fixed	≤0.4 fixed	Manual	Manual	1.7	3.3

Pressure Controller (Danfoss Type)



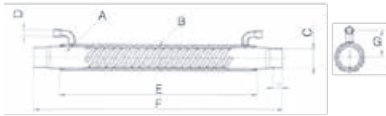
Pressure	Part No.	Danfoss Code			Low Pressure (LP)		Reset		Reset		Contact system
		1/4in 6mmSAE	1/4 in ODF	6mm ODF	Adjust range (bar)	Differential Pressure (bar)	Adjust Range (bar)	Differential Pressure (bar)	High Pressure	Low Pressure (LP)	
Low	KP1	060-1101	060-1112	060-1110	-0.2~7.5	0.7-4.0	--	--	Auto	--	SPDT
		060-1103	060-1111	060-1109	-0.9~7.0	Fixed 0.7	--	--	Manual	--	
Low	KP2	060-1120	--	060-1123	-0.2~5.0	0.4-1.5	--	--	Auto	--	SPDT
		060-1171	060-1179	060-1177	--	--	8~32	1.8-6.0	--	Auto	
High	KP5	060-1173	060-1180	060-1178	--	--	8~32	Fixed 3	--	Manual	SPDT
		060-1241	060-1254	--	-0.2~7.5	0.7~4.0	8~32	Fixed 4	Auto	Auto	
Dual	KP15	060-1243	--	--	-0.2~7.5	0.7~4.0	8~32	Fixed 4	--	Manual	SPDT-Low Signal
		060-1245	--	--	-0.9~7.0	Fixed 0.7	8~32	Fixed 4	Manual	Manual	
Dual	KP15	060-1265	060-1299	--	-0.2~7.5	0.7~4.0	8~32	Fixed 4	Auto	Auto	SPDT-Low/ high Signal
		060-1264	060-1284	--	--	--	8~32	Fixed 4	Auto	Auto	

Pressure Controls



Part No.	Application	Setting P.S.L		Setting Tolerance
		OFF°C	Close	
LPS0520	Low Pressure Automatic Reset	5	20	+/-5
LPS1020	Low Pressure Automatic Reset	10	20	+/-5
LPS2550	Low Pressure Automatic Reset	25	50	+/-5
HPS200150	High Pressure Automatic Reset	200	150	+/-15
HPS250150	High Pressure Automatic Reset	250	150	+/-15
HPS300200	High Pressure Automatic Reset	300	200	+/-15
HPS350250	High Pressure Automatic Reset	350	250	+/-15
HPS400300	High Pressure Automatic Reset	400	300	+/-15

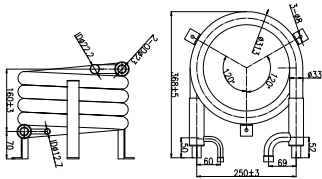
Copper Heat Exchanger



Copper Heat exchanger is used for heat transfer between the liquid and suction lines of refrigeration system. The purpose is to utilize the cooling effect to subcool the refrigerant liquid. The Heat Exchanger prevents the loss of cooling in the ambient air via uninsulated suction lines in the heat exchange process.

Refrigerants	Working temperature	Max Working pressure	Max. Testing pressure
CFCs, HCFCs, HFCs, HCs	-60C~120°C	21.5bar	28bar

Part No.	inlet & outlet Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
HXR-25	1/2-1/4	19.05	25.4	12.7	6.35	230	180	30
HXR-50	5/8-3/8	22.5	28.6	15.88	9.52	260	210	31.7
HXR-75	7/8-3/8	28.6	34.9	22.2	9.52	330	270	34.8
HXR-100	1-1/8-3/8	34.9	41.3	28.6	9.52	380	310	38
HXR-150	1-1/8-1/2	34.9	41.3	28.6	12.7	380	310	48
HXR-250	1-3/8-1/2	41.3	47.7	34.9	12.7	380	310	51.2
HXR-350	1-5/8-5/8	47.7	54.1	41.3	15.88	435	340	63

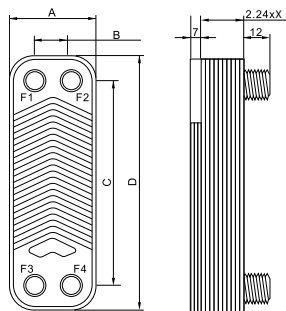


Coaxial Coils Heat Exchanger

Part No.	Heating Capacity (kw)	Copper Tube Connection				Dimensions		
		Refrigerant		Water		Length (mm)	Height (mm)	Width (mm)
		Inlet-outlet Diameter(mm)	Thickness (mm)	Inlet-outlet Diameter(mm)	Thickness (mm)			
SR-BA-009-H	2.64	12.7-9.52	0.75	18-18	1.2	235	174	148
SR-BA-012-H	3.52	12.7-9.52	0.75	18-18	1.2	235	174	173
SR-BA-018-H	5.28	19.0-12.7	1.1-0.75	19-19	1.5	290	211	148
SR-BA-024-H	7.04	19.0-12.7	1.1-0.75	19-19	1.5	264	222	177
SR-BA-030-H	8.8	22.2-12.7	1.1-0.75	19-19	1.5	350	292	160
SR-BA-036-H	10.56	22.2-12.7	1.1-0.75	19-19	1.5	343	310	185
SR-BA-042-H	12.32	22.2-12.7	1.1-0.75	23-23	1.5	368	287	248
SR-BA-048-H	14.08	22.2-12.7	1.1-0.76	25-25	2.0	389	292	249
SR-BA-060-H	17.6	22.2-12.7	1.1-0.77	25-25	2.0	430	350	251
SR-BA-072-H	21.12	22.2-12.7	1.1-0.78	25-25	2.0	435	338	280
SR-BA-090-H	26.4	22.2-12.7	1.1-0.79	32-32	2.0	440	345	332

Plate Type Heat Exchanger

X=layers of plates



Part No.	SR-B3-12-X	SR-B3-14-X	SR-B3-23-X	SR-B3-52-X	SR-B3-95-X
Capacity per Plate	0.08KW	0.1KW	0.15KW	0.4KW	1KW
Surface per Plate	0.012m ²	0.014m ²	0.023m ²	0.052m ²	0.095m ²
Layers of Plate	8-60pcs	8-60pcs	8-60pcs	20-120pcs	20-120pcs
Operates Pressure	3.0Mpa	3.0Mpa	3.0Mpa	3.0Mpa	3.0Mpa
Thickness of Plate	0.3mm				
Operates Temperature	-195~+250°C				
Typ of Connection	Solder/flare				
Material	316L or 304 stainless steel				
Material of Welding	99.9% copper or nickel				
Capacity of Heat Exchange	1-5KW	1-5KW	3-10KW	10-70KW	50-250KW
Dimension A	73mm	86mm	73mm	112mm	192mm
Dimension B	40mm	46mm	40mm	50mm	90mm
Dimension C	154mm	156mm	278mm	466mm	519mm
Dimension D	191mm	196mm	315mm	526mm	617mm



SR-B3-12



SR-B3-14



SR-B3-23



SR-B3-52 (SR-B3-95)

Pressure Ventilator for Cold Room



FC-110

PRODUCT DESCRIPTION

- Aluminum alloy surface
- Stainless steel filter
- Electric heater to prevent frozen(220V/36W)



FC-220

PRODUCT DESCRIPTION

- ABS frame
- Stainless filter
- Electric heater to prevent frozen(220V/36W)

Hinges



FC-306



FC-1132



FC-1332 FC-1336



FC-1238



FC-1230S



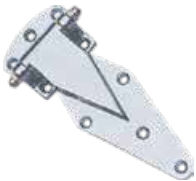
FC-201



FC-1424



FC-380



FC-1432



FC-1470 FC-1460 FC-1450



FC-8064-1



FC-650

Part No.	Description
FC-306	Reversible Reach-in Edge mount Can-lift Hinge
FC-1132	Reversible Reach-in Edge mount Can-lift Hinge
FC-1332	Reversible Reach-in Edge mount Can-lift Hinge(high 32mm)
FC-1336	Reversible Reach-in Edge mount Can-lift Hinge(high 36mm)
FC-1238	Reversible Reach-in Plane Hinge
FC-1230S	Reversible Reach-in Plane Hinge(with spring)
FC-201	Reversible Reach-in Plane Hinge(w/o spring)
FC-1424	Cam-Lift Hinge 24mm
FC-380	Cam-Lift Hinge 32mm
FC-1432	Cam-Lift Hinge 32mm
FC-1470	Reach-in door hinge, adjustable height from 40 to 70 mm, Zinc body.
FC-1460	Reach-in door hinge, adjustable height from 32 to 60 mm, Zinc body.
FC-1450	Reach-in door hinge, adjustable height from 32 to 50 mm, Zinc body.
FC-8064-1	Hinge for flush door, width 100mm, length 100mm, stainless steel.
FC-650(3.5)	Refrigerator spring hinge, spring diameter: 3.5mm
FC-650(4.0)	Refrigerator spring hinge, spring diameter: 4.0mm
FC-650(5.0)	Refrigerator spring hinge, spring diameter: 5.0mm

Latches



FC-1178



FC-1200



FC-1250



FC-1240



FC-1060 FC-1040



FC-1400



FC-1061



FC-3-0681



FC-3-0680



FC-4000



FC-4100



FC-4255

Part No.	Description
FC-1178	Safety latches with inside release handle, adjustable height from 35mm to 70mm, Zinc body
FC-1200	Edge mount mechanical latches, adjustable height from 18mm to 22mm, Zinc body
FC-1250	Edge mount mechanical latches, adjustable height from 18mm to 22mm, Zinc body
FC-1240	Edge mount mechanical latches, adjustable height from 18mm to 22mm, Zinc body
FC-1060	6" Lever & Roller latches, Zinc body
FC-1040	4" Lever & Roller latches, Zinc body
FC-1400	Edge mount mechanical latches, adjustable height from 26mm to 36.5mm, Zinc body
FC-1061	Edge mount mechanical latches, adjustable height from 26mm to 36mm, Zinc body
FC-3-0681	Edge mount mechanical latches, adjustable height from 26mm to 36mm, Zinc body
FC-3-0680	Edge mount mechanical latches, adjustable height from 26mm to 36mm, Zinc body
FC-4000	Safety latch
FC-4100	Safety latch
FC-4255	Safety latch



⑥ ELECTRICAL PARTS



QUALITY DELIVERED



BC Series run capacitors (CBB65)

Available Round or Oval
The widest selection of ratings
Non-PCB capacitors

Part No.	Capacity (µf) Voltage 370V	Part No.	Capacity (µf) Voltage 440V
BC315/5	15+5	BC315/5	15+5
BC315/10	15+10	BC315/10	15+10
BC3175/5	17.5+5	BC3175/5	17.5+5
BC320/5	20+5	BC320/5	20+5
BC320/15	20+15	BC320/15	20+15
BC325/5	25+5	BC325/5	25+5
BC325/7.5	25+7.5	BC325/7.5	25+7.5
BC330/5	30+5	BC330/5	30+5
BC330/7.5	30+7.5	BC330/7.5	30+7.5
BC330/10	30+10	BC330/10	30+10
BC335/5	35+5	BC335/5	35+5
BC335/7.5	35+7.5	BC335/7.5	35+7.5
BC335/10	35+10	BC335/10	35+10
BC340/5	40+5	BC340/5	40+5
BC340/7.5	40+7.5	BC340/7.5	40+7.5
BC345/5	45+5	BC345/5	45+5



Part No.	Capacity (µf) Voltage 370V	Part No.	Capacity (µf) Voltage 440V
BC310	10	BC310	10
BC3125	12.5	BC3125	12.5
BC315	15	BC315	15
BC3175	17.5	BC3175	17.5
BC320	20	BC320	20
BC325	25	BC325	25
BC330	30	BC330	30
BC335	35	BC335	35
BC340	40	BC340	40
BC345	45	BC345	45

CBB61 Series Run Capacitors

Feature

Capacitor for fan motor From 1µF~6µF
Voltage 250V or 450V



MS Series Start Capacitors (CD60)

Feature

Round Bakelite or plastic case

Capacity (µf) Voltage 250V	Capacity (µf) Voltage 250V	Capacity (µf) Voltage 250V
88-108	88-108	
108-130	108-130	
124-149	124-149	
130-156	130-156	
145-175	145-175	
161-193	161-193	
189-227	189-227	
216-259	216-259	
233-280	233-280	
243-292	243-292	
270-324	270-324	
324-388	324-388	
340-408	340-408	
378-454	378-454	
400-480	400-480	
430-516	430-516	
460-552	460-552	
540-648	540-648	
590-708	590-708	
645-774	645-774	
708-850	708-850	
720-864	720-864	
829-995	829-995	
		Capacity (µf) Voltage 250V
		72-86
		88-108
		108-130
		124-149
		130-156
		145-175
		161-193
		189-227



CBB Series run Capacitors (CBB60)



A Type

B Type

C Type

Part No.	Capacity (µf) Voltage 250V	Part No.	Capacity (µf) Voltage 450V
CBB204	4	CBB204	4
CBB205	5	CBB205	5
CBB206	6	CBB206	6
CBB207	7	CBB207	7
CBB208	8	CBB208	8
CBB209	9	CBB209	9
CBB210	10	CBB210	10
CBB211	11	CBB211	11
CBB212	12	CBB212	12
CBB214	14	CBB214	14
CBB216	16	CBB216	16
CBB218	18	CBB218	18
CBB219	19	CBB219	19
CBB220	20	CBB220	20
CBB230	30	CBB230	30



Two Pole Contactors



UL Certificate

Part No.	Coil Voltage 50/60Hz	Number of Poles	Full Load (A)
25 FLA-3 POLE			
QCA-252	24		
QCB-252	120	2	25
QCC-252	208/240		
30 FLA-3 POLE			
QCA-302	24		
QCB-302	120	2	30
QCC-302	208/240		
40 FLA-3 POLE			
QCA-402	24		
QCB-402	120	2	40
QCC-402	208/240		

Three Pole Contactors



Part No.	Coil Voltage 50/60Hz	Number of Poles	Full Load (A)
30 FLA-3 POLE			
QCA-303	24		
QCB-303	120	3	30
QCC-303	208/240		
40 FLA-3 POLE			
QCA-403	24		
QCB-403	120	3	40
QCC-403	208/240		
50 FLA-3 POLE			
QCA-503	24		
QCB-503	120	3	50
QCC-503	208/240		
60 FLA-3 POLE			
QCA-603	24		
QCB-603	120	3	60
QCC-603	208/240		
75 FLA-3 POLE			
QCA-753	24		
QCB-753	120	3	75
QCC-753	208/240		

Defrost Timer



SB3.82

Part No.	SB3.82
Defrost circle/Day	1-12times Adjustment
Defrost period	2-60min Adjustment
Added Feature	3.5min+2.5sec Fan Delay
Cont Art. Voltage	16A SPDT: 220V-50Hz



Part No. (DBZC)	Working Cycle Time		Defrost Time	
	50Hz	60Hz	50Hz	60Hz
TD-20C 200-240V	8hr±10min	6hr40min±10min	7min±2min	5min50s±2min
TD-20L 110-120V	8hr±10min	6hr40min±10min	7min±2min	5min50s±2min
TD-20C SA 200-240V	8hr±10min	6hr40min±10min	14min24s±2min	12min±2min



Part No. (DBZ)	Working Cycle Time		Defrost Time	
	50Hz	60Hz	50Hz	60Hz
TMDE-625	6hr	5hr	25min	20min49s
TMDE-706	7hr54min	6hr35min	7min	5min50s
TMDE-802	8hr46min	7hr18min	2min24s	2min
TMDE-807	8hr1min	6hr40min	7min3s	5min53s
TMDE-814	8hr1min	6hr40min	14min	11min40s
TMDE-816	8hr1min	6hr40min	16min	13min20s
TMDE-912	9hr40min	8hr03min	12min	10min
TMDEX09UM1	12hr06min	10hr05min	10min48s	9min36s
TMDEX09TC1	12hr21min	10hr18min	10min48s	9min36s



Part No. (DBZA)	Working Cycle Time		Defrost Time	
	50Hz	60Hz	50Hz	60Hz
TMDF-603	7hr12min	6hrmin	4min	3min19s
TMDF-702	8hr48min	7hr20min	2min24s	2min30s
TMDF-704	8hr48min	7hr20min	4min50s	4min2s
TMDF-706	8hr1min	6hr40min	7min3s	5min53s
TMDF-X04	10hr	8hr19min	4min20s	3min36s
TMDF-Y06	13hr6min	10hr55min	7min12s	6min

Defrost Timer



Part No. (DBZC)	Working Cycle Time		Defrost Time	
	50Hz	60Hz	50Hz	60Hz
TMDC-621	6hr	5hr	21min	17min30s
TMDC-625	6hr	5hr	25min	21min
TMDC-625 110V	7hr12min	6hr	28min	21min
TMDC-625 110V	7hr12min	6hr	30min	25min
TMDC-807	8hr	6hr40min	7min	5min50s
TMDC-820	8hr	6hr40min	20min	16min40s
TMDC-824	8hr	6hr40min	24min	20min
TMDC-830	8hr	6hr40min	30min	25min
TMDC-832	8hr	6hr40min	32min	26min
TMDC-820/821 110V	9hr36min	8hr	28min	21min
TMDC-825 110V	9hr36min	8hr	30min	25min
TMDC-832 110V	9hr36min	8hr	38min	32min
TMDC-1021	10hr	8hr19min	31min	17min50s
TMDC-1021 110V	12hr	10hr	25min	21min
TMDC-1440	14hr24min	12hr	40min	33min



Part No. (DBZC)	Working Cycle Time		Defrost Time	
	50Hz	60Hz	50Hz	60Hz
TMDJ625ZF1 220V	6hr	5hr	25min	20min
TMDJ621ZN9 110V	7hr12min	6hr	25min	20min
TMDJ625RN9 110V	7hr12min	6hr	30min	25min
TMDJ702AC1 220V	8hr	6hr40min	2min24s	2min
TMDJX35RB9 110V	12hr	10hr	42min	35min
TMDJY26RC1 220V	14hr25min	12hr50min	31min12s	26min
TMDJ-2045	20min	16hr40s	45s	38s

PW (Danfoss type) Series Relay Protector



Part No.	Pick-up Current (A)	Drop-out Current (A)	Overload Current (A)
PW4.5A	3	2.5	6.5
PW5.5A	3.7	3	7.8



Part No.	Pick-up Current (A)	Drop-out Current (A)	Horsepower (hp)
PW-S1	4.25	3.35	1/5
PW-S2	4.75	3.75	1/4
PW-S3	5.3	4.25	1/3



PP1100 series Relay Protector

Part No.	Resistance (Ω)	Voltage (V)	Current (A)
PP1100-1	5	110	4
PP1100-2	22	220	6

QD Series Thermoprotector

used in refrigerator



Part No.	Pick-up Current (A)	Drop-out Current (A)	Horsepower (hp)
RP18	3.15	2.5	1/8
RP16	3.75	3	1/6
RP15	4.75	3.75	1/5
RP14	5.35	4.25	1/4
RP13	6	5.2	1/3
RP12	8.4	7	1/2

RP Series Push - on Type Relay



Part No.	Horsepower (hp)	Operating Temp. (°C)	Overload Current (A)
QD-18	1/8	110±5	5.6
QD-16	1/6	110±5	6.0
QD-15	1/5	115±5	7.2
QD-14	1/4	115±5	9.0
QD-13	1/3	120±5	11.0
QD-12	1/2	120±5	13.0

ICG Series Relay



Part No.	Voltage (V)	Horsepower (hp)
ICG-1	115	1/12 thru 1/2
ICG-220	230	1/12 thru 1/3



MZ Series PTC Starting Relay With One, Two and Three Heads



Part No.	Resistance at 25°C(Ω)	Voltage (V)	Recovery Times (S)	Current (A)	Power (W)
MZ-12	12	≥450	≤80	6	6
MZ-15	15	≥600	≤80	7	7
MZ-22	22	≥600	≤80	7	7
MZ-33	33	≥600	≤80	6	6
MZ-47	47	≥600	≤80	8	8
MZ-100	100	≥600	≤80	3	3

ICA Series Relay-overload Combination



Part No.	Voltage (V)	Frequency (Hz)	Horsepower(hp)
ICA-13	120	50/60	1/4,1/3
ICA-15	120	50/60	1/8,1/5
ICA-23	240	50/60	1/4,1/3
ICA-25	240	220	1/8,1/5

IC Series Solid State Relay



IC-1, IC2



IC-3



IC-4

Part No.	Voltage (V)	OTC Rrsistancr (Ω)
IC-1	110	5±20%
IC-2	220	22±20%
IC-3	220	22±20%
IC-4	220	22±20%



SPP Starter Pow-R-Pak

Part No.	Voltage (V)	Increased Torque
SPP	115-230	210 Once Inches

Protection Relay



Type	XJ3-G
Protection function	Phase-failure-sequence error & Three phase voltage unbalance ≥8%~13%
Operating voltage	AC 380V 50Hz, Allowable fluctuating
Contact number	1 normally open & 1 normally close
Contact capacity	5A 230VAC coΦ =1
Phase-failure and phase-sequence protection	Reacting time ≤2s
Electrical life	1×10 ⁵
Mechanical life	1×10 ⁶
Ambient temperature	-5°C~40°C
Ambient humidity	-5°C~40°C
Installation mode	Equipment type or Track type

Potential Relay Cross Reference



Part No.	Mars No.	G.E.Groups No.	WR/RBM No.	Techmesh No.
QRP-63	19002	2J, 2K, 2L, 2M, 7J, 7K, 7L, 7M, 7N, 8M, 8N	90-1, 90-17, 90-21, 90-63	82777
QRP-64	19003	3A, 3B, 3AV, 3AU, 4A, 4B, 6A, 6B, 6AB, 10A, 10B, 10AV, 10AV	90-4, 90-8, 90-11, 90-14, 90-22, 90-64	82783
QRP-65	19004	3P, 3R, 3AP, 5P, 5R, 5S, 5T, 22S	90-3, 90-7, 90-40, 90-65	82778
QRP-66	19005	3U, 3V, 3AT, 6U, 6V, 6W	90-13, 90-27, 90-66	--
QRP-67	19006	3C, 3D, 3AA, 4C, 4D, 4BK, 6C, 6D, 6AA, 10C, 10D, 26A, 26B, 26C, 26D	90-9, 90-6, 90-15, 90-19, 90-25, 90-67	82785
QRP-68	19007	3E, 3F, 3AB, 3AC, 4E, 4F, 4G, 6E, 6F, 6G, 10H, 10AB, 10AC, 26E, 26F, 26G, 26H, 27E, 27G	90-9, 90-12, 90-16, 90-20, 90-23, 90-68	82787
QRP-69	19008	3S, 3T, 10S, 10T, 25S, 25T, 10AS	90-10, 90-18, 90-24, 90-26, 90-41	82779

4TM Overload protector

IC-3



Power	Voltage (V)
1/8HP	220V/110V
1/6HP	220V/110V
1/5HP	220V/110V
1/4HP	220V/110V
1/3HP	220V/110V
1/2HP	220V/110V

PTK-2 Overload Protector

PTK-2



Power	Voltage (V)
1/8HP	220V
1/6HP	220V
1/5HP	220V
1/4HP	220V
1/3HP	220V
1/2HP	220V

Time Delay

QD-068 Delay On Make



QD-068

18-240VAC/VDC
1.5Amp
15Amp.inrush
SPST.N.O
Adjustable delays from 0.03 to 10min (1.8 to 600 seconds)

QD-072 Delay On Break

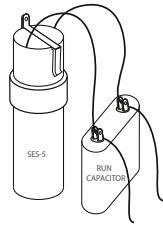


QD-072

18-240VAC/VDC
1.5Amp
15Amp.inrush
SPST.N.O
Knob-adjustable delays from 0.03 to 10min (1.8 to 600 seconds)



NEW



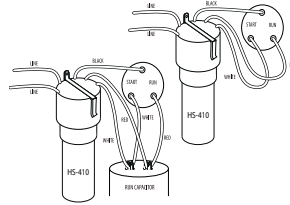
Super Starters

SPP-5		SPP-6		SPP-8	
BRAND	REFERENCE PART NO.	BRAND	REFERENCE PART NO.	BRAND	REFERENCE PART NO.
MARS	32701	MARS	32702	KICKSTART	TO5
ROBERTSHAW	600-052	ROBERTSHAW	600-057	SUPCO	SPP8
SUPCO	SPP5	SUPCO	SPP6	A-1	WSX-1
GEMLINE	HS600	GEMLINE	HS650		

SPP-5/6/8



NEW



Item ID	Compressor Sizes	Volts
HS210	1/2 HP	115
HS410	1/4 and 1/3 HP	115
HS810	1/12 thru 1/5 HP	115

HS-210/410/810

Part No.	MARS	GEMLINE	ROBERTSHAW	SUPCO
SEC410	1/12 THRU 1/5	115	600-410	RCO410
SEC810	1/12 THRU 1/5	115	600-810	RCO810

Potential Relay and Start Capacitor

- Covering applications from 1 to 5 ton units
- For Single Phase 208V,230V,and 265V HVAC/R Applications (1-5 HP)
- Component rated life expectancy of 50k cycles
- Instant Restarts
- UL/CSA and CE recognized
- 2 Wire non-polarized system
- OEM versions available on request



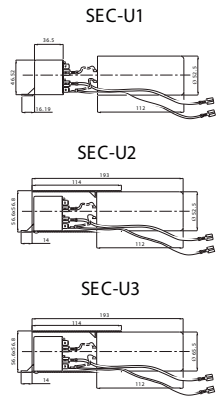
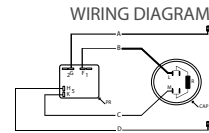
NEW



SEC-U1/U2/U3

General Specifications:

- Extends life of compressor
- Protect internal components
- Start A/C in 30-50% less time
- For Scroll/Reciprocating 208-240V Only
- Capacitor Size:88-108MFD



	SEC-U1	SEC-U2	SEC-U3
Capacitance	108-130MFD	189-227MFD	270-324MFD
VAC	330	330	330
Frequency	50/60Hz	50/60Hz	50/60Hz
Dimensions	52.37mm*111.12mm	52.37mm*111.12mm	65.5mm*111.12mm\

Voltage Guard



A/C Guard



AVS 15A



AVS 30A

Part No.	A/C Guard	AVS 15A	AVS 30A
Nominal Voltage	203V	230V	110V 220V
Watts	--	3600	3300 7200
Frequency	50/60Hz	50/60Hz	50/60Hz
Load Current	20A	15A	30A
Inrush Current (20ms)	70A	110A	110A
Max. Consumption	100mA	110mA	110ms
Wait Time	4mins	15s-3mins	10s-10mins plus manual
Over-Voltage Disconnect	--	265V	230V-300V plus off
Over-Voltage Reconnect	--	263V	2V Below HVD Setting
Under-Voltage Disconnect	--	185V	150V-230V
Under-Voltage Reconnect	--	190V	5V above LVD Setting
Max. Supply	--	320V	160V 320V
Spike/ Surge Protection	160J	160J	80J 160J
Spike/ Surge Discharge Amps	6500A(8/20us)	6500A(8/20us)	6500A (8/20us)
Spike/ Surge Response Time	10ns	10ns	10ns
Response Time (Over Voltage)	20ms	20ms	20ms
Response Time (Under Voltage)	1s	1s	Adjustable 0.5-10s
Brown-Out Response Time	20ms	20ms	20ms



TAM Series Thermostat



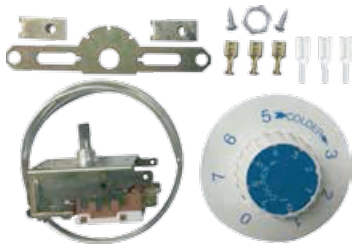
Part No.	Temperature Range
TAM112-0.8M	-7°C/-4°C
TAM113-1.3M	-10°C/+10°C
TAM113-2.0M	-10°C/+10°C
TAM125-2.5M	-20°C/-27°C
TAM125-2.3M	-20°C/-27°C
TAM133-1.3M	-39°C/-10°C
TAM135-2.5M	-15°C/-26°C
TAM145-1.3M	-27°C/-20°C
TAM145-2.0M	-16°C/-13°C

007B Series Thermostat



Part No.	Temperature		Capillary Tube (mm)
	Cold	Warm	
077B7001	-25	2	1300
077B7002	-21	0	1300
077B7003	-27.5	3.5	1600
077B7004	-11	3.5	1500
077B7005	-32.5	-7.5	2300
077B7006	-34.5	-10	2300
077B7007	-35.5	-10	2300
077B7008	-8.5	11.5	2000

K Series Thermostat



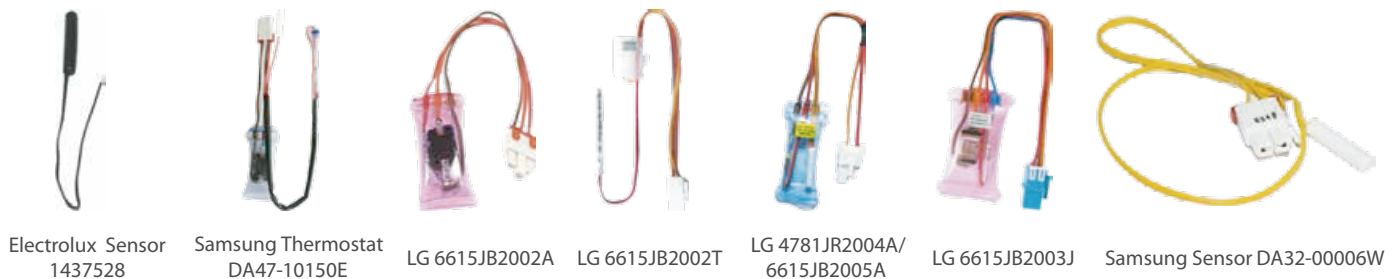
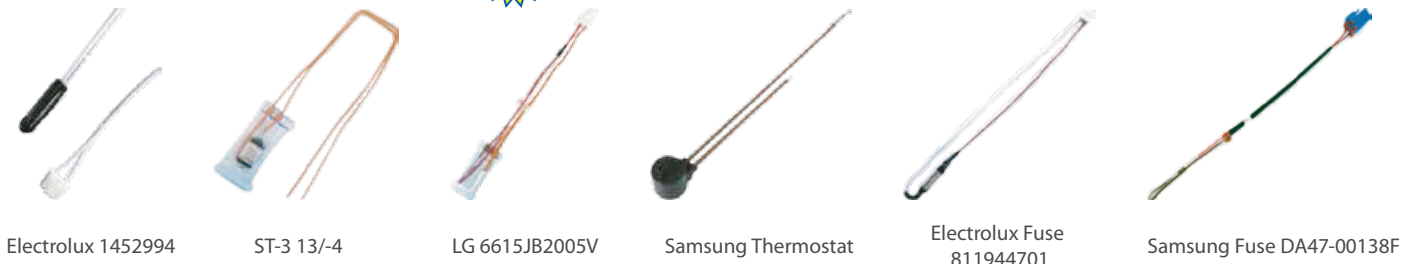
Part No.	Warm		Cold		Capillary Tube (mm)
	ON (°C)	OFF (°C)	ON (°C)	OFF (°C)	
K50-P1110=VC1	2	--	-14.5	-23	1200
K59-L1102	3.5	-12	3.5	-22	1200
K50-P1125	8.5	--	-9.5	-18	1200
K50-P1126	-9.5	--	-18	-24.5	1200
K50-P1127	12.5	--	5	1.5	1200
K50-P1117=VF3	-7	-12	-22	-30	1200
K50-P1118=VB7	13	8	1.8	-3.3	1200
K54-P1102=VS5	-11.5	-16	-20	-26	1200
K60-P1013=VP4	-4	-11	-15	-24	1200

Thermostat



Part No.	Operating Temperature						Capillary (mm)
	Warm		Normal		Cold		
	ON (°C)	OFF (°C)	ON (°C)	OFF (°C)	ON (°C)	OFF (°C)	
A2000	--	(+35)	--	0±3	--	(-35)	120
F2000	--	(+35)	--	0±3	--	(-35)	1750

Defrost/Icemaker Thermostat



Quartz Glass Tube Heater



Size	Voltage	Power
10"	220V	120W
12"	220V	130W
14"	220V	150W
16"	220V	160W
18"	220V	160W
20"	220V	180W

Defrost Heater



LG Heater 5300JB1092B



Metal Heater L370 350W



LG Heater 5300JB1090B



Samsung DA47-00139

Application:

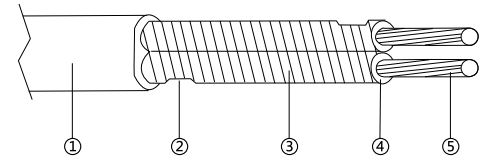
To heat the floor of building, Cooling house and warehouse. To melt snow and frost in slope, Trough and roof. To prevent frost and to preserve heat of petroleum pipeline and other devices.

Constant Power Parallel Heating Cable (AKO-5234)



Product structure picture

- ① Silicone insulating layer
- ② Conductor connecting point
- ③ Resistance wire
- ④ Silicone insulating layer
- ⑤ Copper conductor



Power output	at230V	40W/m
Max. exposure temp. power on		5°C
Max. exposure temp. power off		7°C
Maximum circuit length		60m
Heating zone length		500m
Tinned copper conductors		2 X 0.75mm ²
Heating conductor element		Nickel-chrome
Insulation material		Silicone rubber
Electric strength	Test voltage	1500V~
Loading tolerance		±7%
Outer dimensions	nominal	8 X 5 ±0.5mm
Minimum bend radius	at-25C	20mm
Standard reel length		100~150m

Drainpipe Anti-freezing Heating Cable

- Waterproof
- Double insulation
- Molded terminations
- Extremely flexible



Part No.	Cold tail (m)	Heating cable (m)	Total length (m)	Output Power (w)
CSC-1.0	1	1	2	40
CSC-1.5	1	1.5	2.5	60
CSC-2.0	1	2	3	80
CSC-3.0	1	3	4	120
CSC-4.0	1	4	5	160
CSC-5.0	1	5	6	200
CSC-6.0	1	6	7	240
CSC-7.0	1	7	8	280

Heating Strip for Crankcase of Compressor



Rated voltage	Heater district/length	Power
110~240V	357/395mm	20W
110~240V	462/500mm	35W
110~240V	537/575mm	55W
110~240V	657/695mm	75W
110~240V	726/800mm	90W
110~240V	912/950mm	90W



7 A/C SERVICE TOOL



QUALITY DELIVERED



Tubing Tool Kit



CT-275L



CT-278L



CT-808FT-L



CT-400A-L



CT-E806AM-L

Part No.	Description	cAPAcity
CT-275L	Flaring & swaging tool kit	1/8", 3/16", 1/4", 5/16", 1/2", 5/8", & 3/4" O.D.tubing and 5 swaging adaptors which cover 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4" O.D.
CT-278L	CT-275 & CT274 & CT-122	see above
CT-808FT-L	Eccentric cone type flaring tool and CT-532 & CT-207	3/16", 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4" O.D. tubing and 5mm, 6mm, 8mm, 10mm, 12mm, 16mm & 19mm O.D. tubing
CT-400A-L	Hydraulic expander & flaring tools	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" & 7/8" O.D. tubing
CT-E806AM-L	Eccentric Cordless Flaring Tool	For inch: 1/4", 5/16", 3/8", 1/2", 5/8", & 3/4" O.D.Tubing (6mm, 8mm, 12mm, 16mm, & 19mm, O.D.Tubing



CT-100



CT-300



CT-999



CT-519FT-L



CT-808AM-L

Part No.	Description	cAPAcity
CT-100A	Tubing tool kit	Expander heads: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", FC-312 & FC- 208
CT-100M	Tubing tool kit	Expander heads: 10,12,16,19,22,25,28mm, FC-312 & FC-208
CT-300A	Tubing tool kit	Expander heads: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", FC-312 & FC- 208
CT-300M	Tubing tool kit	Expander heads: 10mm, 12mm, 16mm, 19mm, 22mm, 25mm, 28mm, FC-312 & FC- 208
CT-999	Bender kit	Expander heads: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" & 7/8" O.D.
CT-519FT-L	Tubing tool kit	For 1/4", 5/16", 3/8" 1/2", 5/8", 3/4", O.D. Tubing and 6mm, 8mm, 10mm, 12mm, 16mm, 19mm, O.D.
CT-808AM-L	45 Eccentric Cone Type Flaring Tools	For inch: 1/4", 5/16", 3/8", 1/2", 5/8", & 3/4" O.D.Tubing (6mm, 8mm, 12mm, 16mm, & 19mm, O.D.Tubing

Flaring & Swaging Tools



CT-193



CT-94



CT-95



CT-195



CT-525F



CT-622

Part No.	Description	cAPAcity
CT-193	Set of swaging punches	1/4", 5/16", 3/8", 1/2" & 5/8"
CT-94	3-in-1 swaging punch	1/2", 5/8" & 7/8".
CT-95	5-in-1 swaging punch	1/4", 5/16", 3/8", 1/2" & 5/8"
CT-195	Flaring tool	3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8" O.D. Tubing
CT-525F	Flaring tool	5-16mm or 3/16"- 5/8" O.D. Tubing
CT-622	Tube expander	6mm, 8mm, 9mm, 10mm, 12mm, 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" & 7/8" O.D.



Tube Cutter



Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
CT-127	For 1/8"-5/8" O.D.	CT-174	For 3/8"-1-1/8" O.D.	CT-274	For 1/8"-1-1/8" O.D.	CT-312	For 1/4"-1-5/8" O.D.	CT-107	For 1/4"-2" O.D.

Tube Cutter (Roller Type)



Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
CT-319	For 1/8"-3/4" O.D.	CT-428	For 3/16"-1-1/8" O.D.	CT-532	For 3/16"-1-1/4" O.D.	CT-650	For 1/4"-2" O.D.	CT-670	For 1/4"-2-3/4" O.D.

Tube Bender



Part No.	O.D.Tubing	Description
CT-102-04	1/4"	Spring bender, length 10"
CT-102-05	5/16"	Spring bender, length 10"
CT-102-06	3/8"	Spring bender, length 10"
CT-102-08	1/2"	Spring bender, length 12"
CT-102-10	5/8"	Spring bender, length 14"
CT-102-12	3/4"	Spring bender, length 14"



Part No.	O.D.Tubing	Description
CT-364A-06	3/8"	Bend radius 15/16"
CT-364A-08	1/2"	Bend radius 1-1/2"
CT-364A-10	5/8"	Bend radius 2-1/4"
CT-364A-12	3/4"	Bend radius 3"
CT-364A-14	7/8"	Bend radius 3-1/4"
CT-364M-08	12mm	Bend radius 35.8mm
CT-364M-10	16mm	Bend radius 54.4mm
CT-364M-12	19mm	Bend radius 75.3mm
CT-364M-14	22mm	Bend radius 82.1mm
CT-268-180	1/4" & 5/16"	2-in-1 180° Bend radius 11/16"
CT-N368-180	1/4", 5/16" & 3/8"	3-in-1 180° Bend radius 15/16"

Lever Type Tube Bender



Part No.	O.D.Tubing	Description
CT-N364A-06	3/8"	Bend radius 15/16"
CT-N364A-08	1/2"	Bend radius 1-1/2"
CT-N364A-10	5/8"	Bend radius 2-1/4"
CT-N364A-12	3/4"	Bend radius 3"
CT-N364A-14	7/8"	Bend radius 3-1/4"
CT-N364M-08	12mm	Bend radius 35.8mm
CT-N364M-10	16mm	Bend radius 54.4mm
CT-N364M-12	19mm	Bend radius 75.3mm
CT-N364M-14	22mm	Bend radius 82.1mm

Other tubing tools



PTC-01

PTC-02

CT-207

CT-208

CT-352

CT-351

CB-4100

Part No.	Description
PTC-01	Capillary tube cutter for 1mm~3mm O.D.
PTC-02	Cutter for all sizes of capillary tube without collapsing or swaging the tubes
CT-207	Handy deburrer, Blade can be sevelled.
CT-208	Inner-outer reamer, plastic body, 3/16" to 1/2"
CT-351	Fin straightener; 8,9,10,12,14 & 15 spacing per inch
CT-352	Steel fin straightener
CB-4100	Inner and outer copper cleaning brush, for 1/2", 3/4" fitting 13mm, 19mm pipe



Part No.	Description
CT-201	7" Pinch-off plier
CT-122	1/4", 3/8", 3/16" & 5/16" square ratchet wrench
CT-123	1/4", 3/16" square & 9/16", 1/2" hex ratchet wrench



Part No.	Description	Description
CT-501	32mm Inspect Mirror	Lrngth: 127~500mm
CT-502	50mm Inspect Mirror	Lrngth: 200~410mm
CT-503	Pick up tool	Lrngth: 126~637mm

Air Conditioner Spanner



Pressure Testing Pumps

Description:
Pressure Testing pump for testing Water or Oil Pipework installations Shrouded Pressure gauge

Capillary Tube Cleaner



CPC-01



Description:
Cap-Check is a portable, self contained hydraulic power unit with auxiliary equipment especially adapted to cleaning refrigeration capillary tubes. A 0-25 MPa gauge shows pressure build-up if cap tube is restricted and also shows when chaser has passed through the tube. A trigger operated gauge shutoff is provided so the gauge will not be damaged if pressures greater than 25MPa are desired.

Welding Gas



Part No.	Description
MAPP	CGA600 connection, 16 oz/cylinder



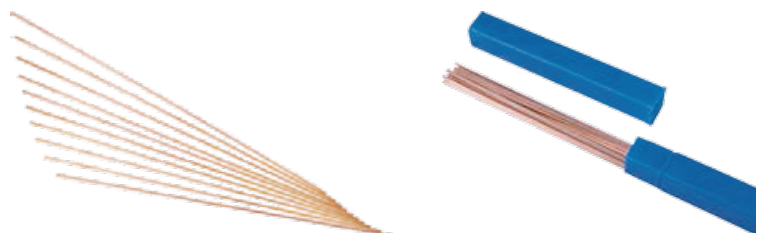
Part No.	Description
Propane	CGA600 connection, 14 Oz/cylinder



Part No.	Description
Oxygen	CGA600 connectio, 1.4 oz/cylinder

Welding Rods

Rod Size:
1.32 x 3.2 x 500mm (flat)
3 x 3 x 500mm (square)
2 x 2 x 500mm (square)
2.0~3.0 x 500 (round)



Phosphorus-containing Brazing Alloys (Cu-p)

Brazing Alloy	Ag	Chemical Composition (%)		Melting Range (°C)		Equivalent Specifications		
		Cu	P	Solidus	Liquidus	AWS A5.8	DIN8513	BS1845
HP-02	--	Ren	6.8~7.5	710	800	BCuP-2	L-CuP7	CP3



Welding Torch



Part No.	Description
T-A	CGA600 connection, for MAPP and propane gas

Part No.	Description
T-B	CGA600 connection, single flame

Part No.	Description
T-2B	CGA600 connection, twin flame

Adaptor T-CGA

NEW

(7/16)"-28UNF

CGA600 (1"-20UNEF) T-CGA



Part No.	Description
T-3B	CGA600 connection, triple flame

Part No.	Description
T-CA	CGA600 connection, with 1.5m~2m hose

Part No.	Description
MRS-9001F	CGA600 connection, Snake torch

NEW

T-MTH



H01-2
Micro Welding Torch



H01-6B
French Type Welding Torch



T-D
CGA600 connection, quick self-lighting



H01-6C
French Type Welding Torch



H02-6
Switzerland Type Welding Torch



H01-6
Japanese Type Welding Torch

Welding Kit

HCW-1411



- Content:
- 1 pc empty cylinder 2L for Oxygen
 - 1 pc Mapp gas (optional)
 - 1 pc of Oxygen Regulator
 - 1 pc of Fuel gas Regulator
 - 1 pc 2L of Oxygen Empty Regulator
 - 1 pc of Welding Torch
 - 1 set of 1.5m Twin hose
 - 2pcs of Welding Nozzle
 - 1 pc of Sparker
 - 1pc Plastic Case



HCW-1509



oxygen cylinder 1L, M10x1
 mapp: 1L, CGA600 (optional)
 Oxygen pressure reducer: adjustable, with a tank of gas pressure indicator, with the tempering valve
 MAPP pressure reducer: adjustable, with output gas pressure indicator, with the tempering valve
 Light oxygen welding torch: with two welding nozzle, welding nozzle air outlet diameter is 0.65 MM, with tempering valve, hose length is 1.5 M
 Welding flame temperature: flame can be adjustable, temperature ≥ 2200 :
 Aluminum alloy box packaging

Vacuum Pump

*115V/60Hz and 220V/60Hz are available

Black



Part No.	Voltage(V/Hz)	Capacity(CFM)	Motor Power(hp)	Motor Speed(rpm)	Intake Fitting(inch)
VP-0.5A	220V/50Hz	1	1/6	1440	1/4" SEA
VP-1	220V/50Hz	2	1/4	1440	1/4" SEA
VP-1S(4.0Kgs)	220V/50Hz	2	1/4	1440	1/4" SEA
VP-1.5A	220V/50Hz	3	1/4	1440	1/4" SEA
VP-2A	220V/50Hz	4	1/3	1440	1/4" SEA
VP-3A	220V/50Hz	6	1/2	1440	1/4" SEA
VP-4A	220V/50Hz	8	3/4	1440	1/4" SEA

Orange



Part No.	Voltage(V/Hz)	Capacity(CFM)	Motor Power(hp)	Motor Speed(rpm)	Intake Fitting(inch)
2VP-0.5C	220V/50Hz	1	1/4	1440	1/4" SEA
2VP-1C	220V/50Hz	2	1/3	1440	1/4" SEA
2VP-2C	220V/50Hz	4	1/2	1440	1/4" SEA
2VP-3C	220V/50Hz	6	3/4	1440	1/4" SEA
2VP-4C	220V/50Hz	8	3/4	1440	1/4" SEA

* Intake Fitting Can Select: 1/4 SEA/2ACME or 3/8SAE.

Super Vacuum Pump



Part No.	Voltage(V/Hz)	Capacity(CFM)	Motor Power(hp)	Motor Speed(rpm)	Intake Fitting(inch)
VP115	220V/50Hz	1.5	1/3	1440	1/4" SEA
VP125	220V/50Hz	2.8	1/3	1440	1/4" SEA
VP130	220V/50Hz	3.0	2/5	2880	1/4" SEA
VP145	220V/50Hz	4.5	1/2	2880	1/4" SEA
VP165	220V/50Hz	6.5	3/4	2880	1/4" SEA
VP185	220V/50Hz	8.0	3/4	2880	1/4" SEA
VP1100	220V/50Hz	10.0	3/4	2880	1/4" SEA

Part No.	Voltage(V/Hz)	Capacity(CFM)	Motor Power(hp)	Motor Speed(rpm)	Intake Fitting(inch)
VP215	220V/50Hz	1.5	1/2	1440	1/4" SEA
VP230	220V/50Hz	3.0	3/4	2880	1/4" SEA
VP245	220V/50Hz	4.5	4/5	2880	1/4" SEA
VP265	220V/50Hz	6.5	1	2880	1/4" SEA
VP285	220V/50Hz	8	1	2880	1/4" SEA
VP2100	220V/50Hz	10	1	2880	1/4" SEA

Accessories



Item	Description	Item	Description	Item	Description	Item	Description	Item	Description
P1	Φ63 Vacuum Gauge	P2	Φ80 Vacuum Gauge	P3	Φ50 Vacuum Gauge	P4	Small Solenoid Valve	P5	Big Solenoid Valve

Power Supply Plugs



A01 Europe Plug



A02 Europe Plug



A03 Europe Plug



A04 Europe Plug



A05 American Plug



A06 Taiwan Plug



A07 Australia Plug



A08 Europe Plug



Refrigerant Recovery Unit



220V/50Hz, 1/2HP AC,
10A, oil-less, Air-cooled,
2 Piston style



Part No.: RR-229				
Refrigerant gas	category I	R12 R134A R401C R406A R500		
	category II	R22 R401A R401B R402B R407C R407D R408A R409A R411A R411B R412A R502 R509		
	category III	R402A R404A R407A R407B R410A R507		
Recovery rate (kg/min)	category IV	category V	category VI	
	Gas	0.5kg/min	0.6kg/min	0.6kg/min
	Liquid	3.0kg/min	4.0kg/min	4.0kg/min
Push/Pull	8.0kg/min	8.5kg/min	10.0kg/min	



220V/50Hz, 1HP AC,
10A, oil-less, Air-cooled,
4 Piston style



Part No.: RR-230				
Refrigerant gas	category I	R12 R134A R401C R406A R500		
	category II	R22 R401A R401B R402B R407C R407D R408A R409A R411A R411B R412A R502 R509		
	category III	R402A R404A R407A R407B R410A R507		
Recovery rate (kg/min)	category IV	category V	category VI	
	Gas	0.26kg/min	0.28kg/min	0.26kg/min
	Liquid	1.8kg/min	1.9kg/min	2.0kg/min
Push/Pull	9.28kg/min	6.2kg/min	6.4kg/min	



220V/50Hz, 1HP AC,
6A, oil-less, Air-cooled,
2 Piston style



Part No.: WK-520				
Refrigerant gas	category I	R12 R134A R401C R406A R500		
	category II	R22 R401A R401B R402B R407C R407D R408A R409A R411A R411B R412A R502 R509		
	category III	R402A R404A R407A R407B R410A R507		
Recovery rate (kg/min)	category IV	category V	category VI	
	Gas	0.46kg/min	0.50kg/min	0.52kg/min
	Liquid	3.14kg/min	3.62kg/min	3.7kg/min
Push/Pull	9.28kg/min	11.04kg/min	12.44kg/min	



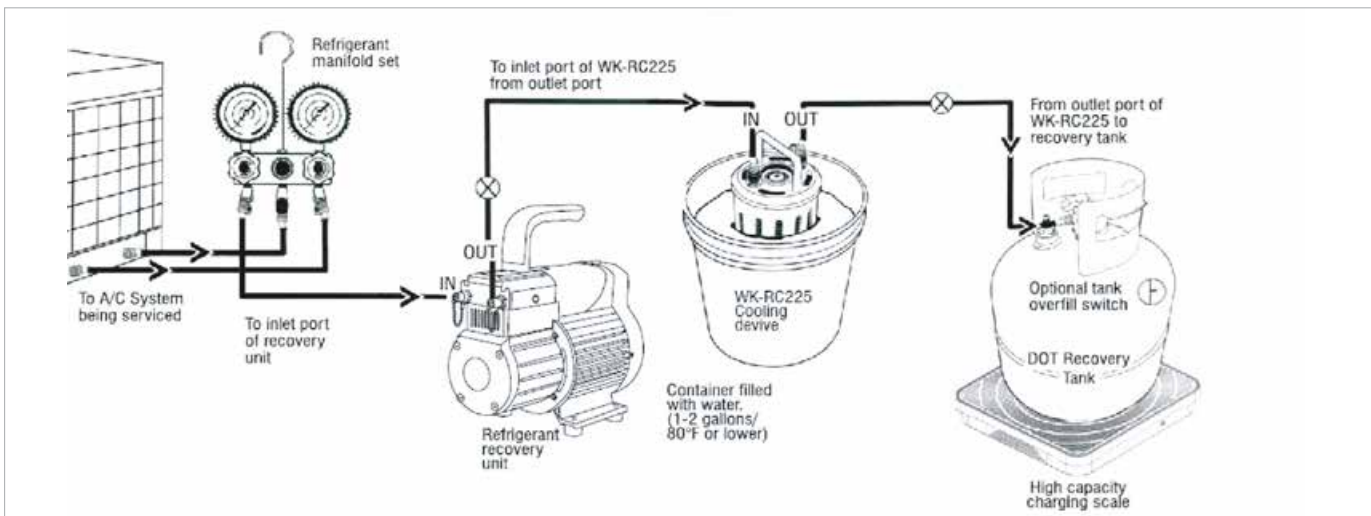
Refrigerant cooling device

WK-225

WK-RC225

Recovery machine

Part No.: WK-225				
Part No.	Push/Pull	Liquid	Vapor	High Temp Vapor (104F)
Recovery rate		kg/min		
R22	14.3	4.02	0.271	0.39
R134a	11.64	3.54	0.228	N/A
R407C	13.22	4.31	0.243	N/A
E410A	14.38	5.42	0.319	0.37



Manifold



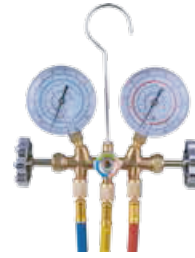
FC-136G



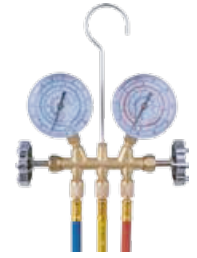
FC-R136G



FC-436G



FC-536G



FC-636G

Part No.	Description
FC-136G	aluminium body, sight glass, 2 gauges, 336RYB hose.
FC-R136G	aluminium body, sight glass, 2 gauges, with rubber boots, 336RYB hose.
FC-436G	aluminium body, sight glass, 2 gauges, 336RYB hose.
FC-536G	brass body, sight glass, 2 gauges, 336RYB hose.
FC-636G	brass body, 2 gauges, 336RYB hose.



FC-DM01

Feature:
Applied CFCs, HCFCs, HFCs refrigerant.
Accurate superheat and sub-cooling temperature display.
High side pressure display range @ psig to 725 psig.
Low side pressure display range @ psig to 435 psig
Vacuum display range @ 29.2 in. Hg to 0 in. Hg.
Temperature display range: 40°F to 203°F (-40°C to 95°C).

Description
2 Valve Digital manifolds + 3 pcs of charge hose. Working pressure, 800PSI, Burst. 4000PSI + 1pc of 9V Battery + 2pcs of temperature sensor + 1 pc of vacuum sensor + 1 pc of suitcase.



FC60-1234MK



Feature:
High quality aluminum alloy valve body.
Gentle and comfortable design hard knob structure.
Prevalent streamline design pressure gauge.
Durable product quality.

Description
Manifold Gauge Set Aluminum Valve Body Connection: M12-1.5 60" charging hose. 800-4000PSI

Refrigerant Charging Scale



RCS-7020



RCS-N9030
with auto-charge



LMC-200



LMC-300
with auto-charge

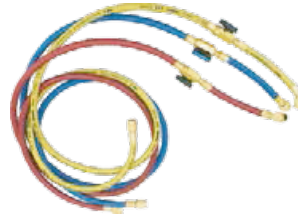
Part No.	RCS-7020	RCS-N9030	LMC-200	LMC-300
Capacity	100KGS/220LB	100KGS/220LB	100KGS/220LB	100KGS/220LB
Accuracy	±0.5% of reading ±1 least	±0.5% of reading ±1 least	±0.05% rdg+10g	±0.05% rdg+10g
Resolution	0.5 OZ/10G	0.25 OZ/10G	0.125 OZ/5G	0.125 OZ/5G
Platform size	223mm x 223mm	223mm x 223mm	271mm x 271mm x 74mm	271mm x 271mm x 74mm
Power	5 x 1.5V alkaline battery(7.5VDC)	5 x 1.5V alkaline battery(7.5VDC)	5 AAA batteries	5 AAA batteries
Battery life	30 hours continuous use	60 hours continuous use	60 hours continuous use	60 hours continuous use



Charging Hose



336RYB



M-336RYB



E-336RYB

Part No.	Size	600-3000Psi	800-4000Psi	Connection
336RYB	3-36"	336RYB-B	336RYB-C	1/4" SAE
336RYB	3-60"	336RYB-B	336RYB-C	1/4" SAE
336RYB	3-72"	372RYB-B	372RYB-C	1/4" SAE
M-336RYB	3-36"	M-336RYB-B	M-336RYB-C	1/4" SAE
M-336RYB	3-60"	M-360RYB-B	M-360RYB-C	1/4" SAE
M-336RYB	3-72"	M-372RYB-B	M-372RYB-C	1/4" SAE
E-336RYB	3-36"	E-336RYB-B	E-336RYB-C	1/4" SAE
E-336RYB	3-60"	E-360RYB-B	E-360RYB-C	1/4" SAE
E-336RYB	3-72"	E-372RYB-B	E-372RYB-C	1/4" SAE

* 1/2" ACME or other connection size available upon customer requirements

Color-coded Pressure and Compound Gauge



RG-250



RG-500



250-GF



500-GF



250B-GF



500B-GF

Part No.	Description
RG-250	Blue compound 30" -0-250 PSI, class 2.5, connection bottom 1/8" NPT, 2-3/4" dia
RG-500	Red pressure 0-500PSI, class 2.5, connection bottom 1/8" NPT, 2-3/4" dia
250-GF	Compound filled glycerine 30" -0-250 PSI class 1.6, connection back 1/4" SAE, 2-3/4" dia, stainless steel frame
500-GF	Pressure filled glycerine 0-500 PSI, class 1.6, connection back 1/4" SAE, 2-3/4" dia, stainless steel frame
250B-GF	Compound filled glycerine 0-250 PSI, class 1.6, connection bottom 1/8" NPT, 2-3/4" dia, stainless steel frame
500B-GF	Pressure filled glycerine 0-500PSI, class 1.6, connection bottom 1/8"NPT, 2-3/4" dia, stainless frame

Automotive Quick coupler



QC-12

1/4" SAE



QC-15

1/4" SAE



QC-L

14mm



QC-H

14mm



QC-LA

1/4" SAE



QC-HA

1/4" SAE



QL-1234 / QH-1234

Connection: M12*1.5 1/4" male nut
Application: R1234fy



Automotive Adapter Kit

Part No.	Description
FC-01A (CH-135)	Complete kit: red hose, blue hoses & 3pcs 90 adapter
FC-01B (CH-138)	Complete Kit: red hoses, blue hoses & 3pcs 90 adapter & 3pcs connectors



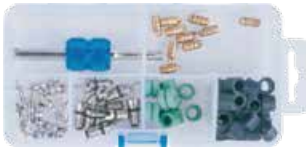
Hose-seal, Gasket & Core Kit

CH-236



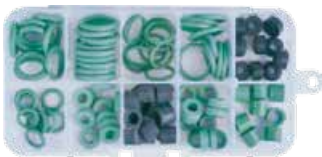
Part No.	QTY	Description
CH-9520C	10	Valve Cores
CH-9800	10	R134 Valve Cores
CH-L08	5	8mm Low Side
CH-VO66	5	For peugeot/Volvo
CH-H10	5	10mm High Side
CH-GMH	5	For GM High
CH-1213P	1	Valve Core remover

CH-237



Part No.	QTY	Description
CH-1213AL	1	Valve Core remover
CH-9520C	10	Valve Core
CH-9800	10	R134 Valve Core
OR9134-4	10	R410 5/16" SAE Hose Gasket
OR501-3	30	R12 1/4"SAE Hose Gasket
OGB79583	10	1/4" SAE Depressor

CH-238



Part No.	QTY	Description
ORQCL-3	10	for QC-L
ORQCH-3	10	for QC-H
ORQC-3	10	for QC-12L
ORQC-4	10	for QC-12H
OR340-2	10	for QC-340
OR146	10	for QC-146 CA-04x06 CA-04x08
ORVCR	10	for VCR-04
OR501-3	15	for R12 1/4" SAE Hose Gasket
OR9134-4	10	for R10 5/16" SAE Hose Gasket
OR501-3H	15	for R134 1/4" SAE Hose Gasket

CH-239



Part No.	QTY	Description
CH-1213AL	1	Valve Core remover
CH-9523C	10	Valve Core
OGB79583P1	10	1/4" SAE Depressor
OR9134-4	10	R410 5/16" SAE Hose Gasket
OR501-3	30	R12 1/4" SAE Hose Gasket
OGB79583	10	1/4" SAE Depressor



FC-6044



A/C Flush Kit (FC-6044)

Description:

The A/C Flush Kit is used to remove contaminants, moisture and acid from the evaporator and condenser. It is designed to work with any A/C flush solvent that can be mixed with pressurized air. Simply add up to 18 oz. of solvent to the reusable canister. With the use of pressurized shop air, reverse flush the evaporator and condenser, removing all the contaminants, moisture and acid during retrofitting or replacement.



Dye and Oil Injector

FC-UV01L



Oil Charging pump



PCO-1

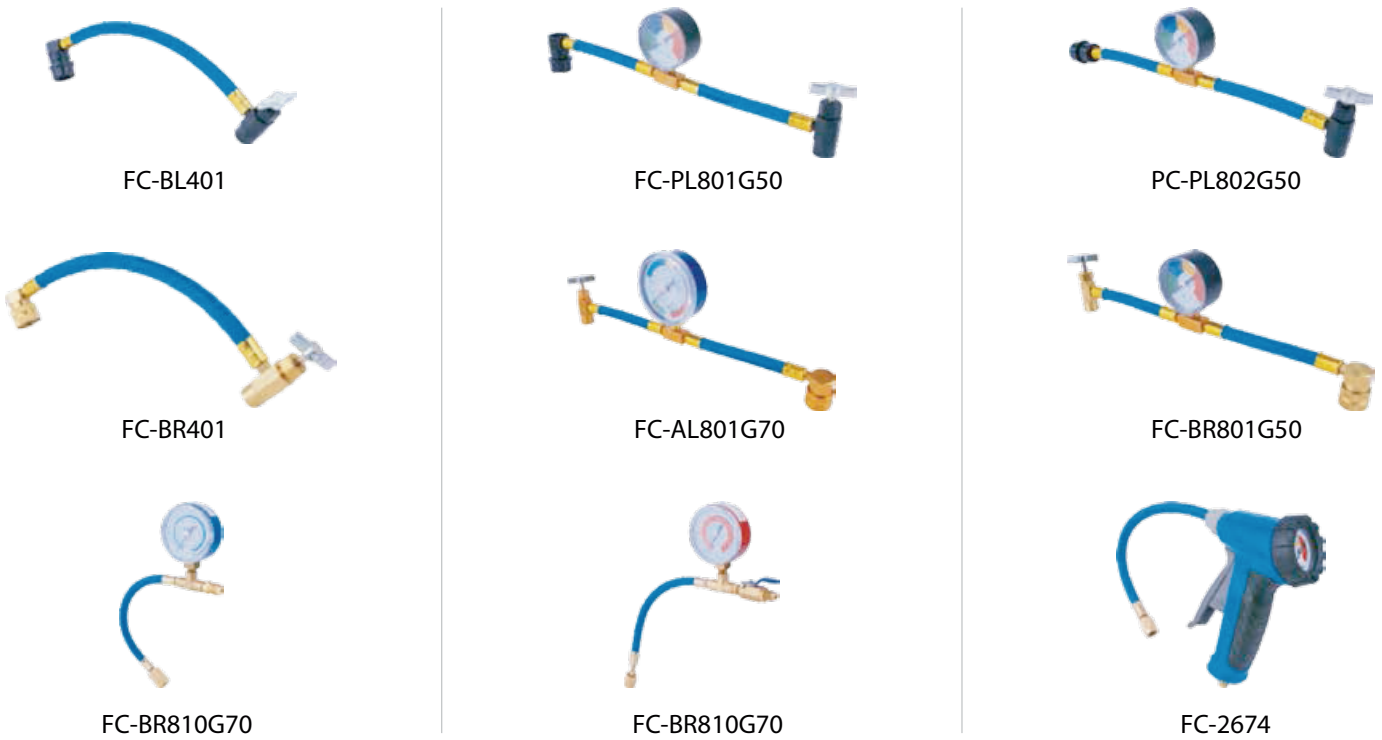


PCO-2



PCO-4

Automotive Refrigerant Charging Tools



FC-BL401

FC-PL801G50

PC-PL802G50

FC-BR401

FC-AL801G70

FC-BR801G50

FC-BR810G70

FC-BR810G70

FC-2674

Can Tap Valve



FC-336

FC-334/FC-335/FC-337

FC-338/FC-339

FC-340

Part No.	Description
FC-334	Refrigerant can tap valve, 1/4" SAE outlet valve bottom and female thread fitted with 1/2"-16UNF SAE can thread.
FC-335	Refrigerant can tap valve, 1/4" SAE outlet valve bottom and female thread fitted with 1/4" SAE can thread.
FC-336	Refrigerant can tap valve, 1/4" SAE outlet valve bottom and female thread fitted with 7/16"-27UNF can thread.
FC-337	Refrigerant can tap valve, 1/4" SAE outlet valve bottom and female thread fitted with 7/16"-27UNF can thread.
FC-338	Refrigerant can tap valve, 1/4" SAE outlet valve bottom and female thread fitted with 12mm*1.25 can thread.
FC-339	Refrigerant can tap valve, 1/4" SAE outlet valve bottom and female thread fitted with 14mm*1.25 can thread.
FC-340	Refrigerant can tap valve for both R12 & R134a.

Single Gauge Valve



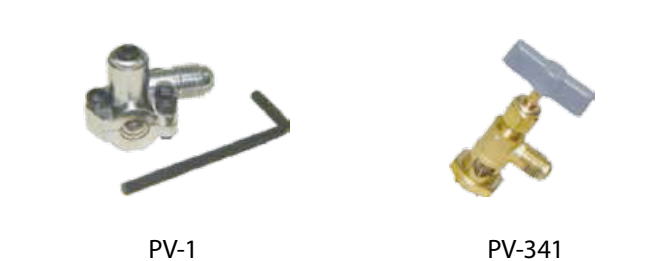
FC-466G

FC-467G

FC-468G

Part No.	Description
FC-466G	Charging and testing unit
FC-467G	Aluminium body
FC-468G	Aluminium body with sight glass

Piercing Valve



PV-1

PV-341

Part No.	Tubing Size O.D.
PV-1	1/4", 5/16", 3/8"
PV-341	3/16" ~ 3/8"

⑧ TEMPERATURE CONTROLLER & MULTIMETERS



QUALITY DELIVERED





Thermometer



60D1.5

Part No.	Diameter (mm)	cap. lengt H (mm)	Measuring Range
60D1.5	60	1500	
80D1.5	80	1500	-40°C~+40°C
100D1.5	100	1500	



WT-2

-50°C~+300°C (-58°F~+572°F)
Resolution: 0.1, >200°C : 1
Accuracy: ±1°C (-20°C~+80°C)
±5°C (other range)



TPM-10

-50°C~+70°C
Resolution: 0.1°C
Accuracy: ±1°C



DST-50

-50°C~+150°C (-58°F~+302°F)



WT-1

-50°C~+300°C (-58°F~+572°F)
Resolution: 0.1>200°C is 1
(>400°F is 1°F)
Accuracy: (-20°C~+80°C)±1°C



PT1005

-40°C~+80°C
-40~+160°F



RT-200

1m, capillary:
-40°C~+40°C
Accuracy: ±2°C
L*W*H: 56*58*25mm



RT-300

-40°C~+40°C
Accuracy: ±2°C
stainless steel frame



ST-100

LCD Display, solar power supply
Resolution: 0.1°C
Product Size: 62*29.5*10.5mm



ST50

-40°C~+150°C or -40~+270°C,
2"(50mm)dial, 48" cable back-up
lithium battery, solar powered



RF221

2-1/2", capillary:
48", -40°C~+60°C/-40°C~+15°C,
stainless steel frame



TPM-900

Power voltage: 220VAC
Measuring range: -30°C~+110°C
Product size: 60*25.7*32mm
Screen size: 64*31mm



DTH-106

0°C~+50°C (32°F~+120°F)
Accuracy: ±1°C (±1.8°F)



DT-2

Measuring range:
Temperature: -50°C~+70°C
Humidity: 20%~99%
Power: DC1.5V



DT-3

Measuring range:
IN: -30°C~+50°C
Out: -50°C~+70°C
Temperature range: 20%~99%
Power: DC1.5V



BT-2

Indoor temp:
-30°C~+50°C (-22°F~+122°F)
Outdoor temp.:
-50°C~+70°C (-58°F~+158°F)
Humidity: 20%~99%

Room Thermostat



T200



T201



T202



T300



T-PIR1



T-HVAC10

Part No.	Dimensions (mm)	Temperature Range	Current (A)	Voltage (V)	Frequency
T200	86 x 86 x 32	10°C~30°C	2	200+10%	50/60Hz
T201	86 x 86 x 32	10°C~30°C	6	200+10%	50/60Hz
T202	83.5 x 83.5 x 38	10°C~30°C	10	200+10%	50/60Hz
T300	70 x 115 x 32	50F~90F, 10°C~32°C	--	--	--
T-PIR1	111.5 x 74.4 x 22	16°C~30°C		Temperature Remote Controller	
T-HVAC10	118 x 88 x 30	7°C~32°C		24V	50/60Hz

Microcomputer Temperature Controller



STC-200+

Technical parameter

- Power supply: 220VAC±10% (12VAC/DC, 24VDC optional)
- Power consumption: <5W
- Temperature measuring and controlling range: -50~+120°C
- Display resolution: 0.1 1 when ≥100°C
- Accuracy: ±0.5°C from ~ 10 to 85°C; <±2°C at others



STC-8080H

Technical parameter

- Power supply: 220VAC+10%/-15% 50/60Hz
- Power consumption: <3W
- Temperature measuring range: -50~+99°C
- Temperature measuring range: -40~+50°C
- Resolution: 1°C
- Accuracy: ±1°C from ~50 to 70°C; <±2°C at others



STC-9200

Technical parameter

- Power supply: 220VAC 50Hz
- Power consumption: <5W
- Ambient temperature: 0~+60°C
- Relative humidity: 20%~85% (No condensate)
- Accuracy: ±1°C



ESC-02CX

Technical parameter

- Measuring range: -50°C~+99°C
- Temperature Resolution: 1°C
- Measurement Accuracy: -40°C~+50°C, ±1°C; others, ±2°C
- Power supply: 220VAC±10% 50Hz/60Hz
- Mounting Size: 71mm*29mm
- Power: <3W



ETC-100+

Technical parameter

- Power supply: 220VAC±220VAC+10%/-15%, 50Hz/60Hz
- Resolution: 10%RH
- Accuracy: ±(5%RH+0.5digit) at 25°C±(6%RH+0.5digit) at 0%RH~59%RH±(8%RH+0.5digit) at others, when +10°C~+40°C
- Relay outut contact capacity: 10A/220VAC



EK3010/3020/3030

Technical parameter

- Measuring range: -40°C~+99°C
- Controlling range: -40°C~+85°C
- Temperature Resolution: 0.1°C/1°C
- Accuracy: -30°C~+50°C, ±1°C; others, ±2°C
- Power supply: 200VAC±10% 50Hz/60Hz
- Mounting Size: 71mm * 29mm
- Power: <5W



ETC-902

Technical parameter

- Temperature controlling range: -50°C~+99°C
- Product Size: 75x34.5x58mm
- Mounting: 71mm x 29mm
- Measuring range: NTC(-50°C~+120°C)
- Control output: 8A/250VAC for compressor
- Power supply: 220VAC±10%



ETC-961

Technical parameter

- Temperature controlling range: -30°C~+85°C
- Product Size: 75mm x 34.5mm x 58mm
- Mounting: 71mm x 29mm
- Measuring range: NTC(-50°C~+120°C)
- Control output: 10A/250VAC for compressor
- Power supply: 220VAC±10%



ETC-974

Technical parameter

- Temperature controlling range: -50°C~+99°C
- Product Size: 75mm x 34.5mm x 58mm
- Mounting: 71mm x 29mm
- Measuring range: NTC(-50°C~+120°C)
- Control output: 8A/250VAC for compressor
- Power supply: 220VAC±10%

Thermostat Guard



Part No.	Dimensions (mm)	White-rodders	Mars
BTG-EK	125x120x75	F29-0025	70201
BTG-RK	180x110x95	F29-0143	70210
BTG-K	151x140x85	F29-0227	70205
BTG-DK	225x145x75	F29-0231	70217
BTG-UK2	230x130x105	F29-0198	70220



Refrigerant Gas Leak Detector



HLD-101

- Detects all halogenated refrigerants
- Detect once power on, no need manual-adjustment
- Vari-speed sensitivity adjustment
- Enter into the best state of detecting automatically while adjusting the sensitivity.
- Tricolor battery voltage indication
- Equipped with quality sensor, high sensitivity, 6gr/yr
- Inner precise IC with ultra-low consume circuit design, more stable, longer battery time.



LD-100

Sensor Type	Semi-conductive sensor
Minimum Sensitivity	3g/yr
Warm up time	<60S
Response time	<3S
Detecting gas	R32, R600A
Display method	Hightlight LED display
Battery	Three 1.5V AA High-energy



CLD-100

Dimension	53*50*175mm
Detecting gas	All Halogenated Refrigerants
Minimum Sensitivity	5g/yr
Warm up time	6s
Response time	2~10s
Power supply	4 AAA batteries (6VDC)
Weight	150g



HLD-102

Dimensions	17CM*6CM*3.8CM
Batteries	2*1.5V'AA'
	Alkaline Batteries (3VDC)
Battery Life	40hours
Sensitivity	<3G/year (0.1 oz/yr)
Sensor Lifetime	Approx. 30hours
Operation Temperature	+32~+122°F (0~+50°C)
Warm up time	< 2 SEC
Respinse time	Instantaneous
Reset time	Instantaneous
Probe Length	12"(30cm)



HLD-201

Dimensions	22.9CM*6.5CM*6.5CM
Batteries	2*1.5V'AA'
	Alkaline Batteries (3VDC)
Battery Life	40hours
Sensitivity	<3G/year (0.1 oz/yr)
Sensor Lifetime	Approx. 30hours
Operation Temperature	+32~+122°F (0~+50°C)
Warm up time	< 10 SEC
Respinse time	Instantaneous
Reset time	Instantaneous
Probe Length	14"(33.5cm)



HLD-202

Dimensions	22.9CM*6.5CM*6.5CM
Batteries	2*1.5V'AA'
	Alkaline Batteries (3VDC)
Battery Life	40hours
Sensitivity	<3G/year (0.1 oz/yr)
Sensor Lifetime	Approx. 30hours
Operation Temperature	+32~+122°F (0~+50°C)
Warm up time	< 10 SEC
Respinse time	Instantaneous
Reset time	Instantaneous
Probe Length	14"(33.5cm)

Clamp Meter



FC-2017



UT-202



FC-266



FC-260D

Part No.	AC Current	Ac Volt Age	Resistance
FC-2017	200/600A ± (2.0%rdg+5dgts)	200/600A ± (1.5%rdg+5dgts)	200Ω ± (1.5%rdg+5dgts)
UT-202	2/20/200/400A ± (2.0%rdg+5dgts)	2/20/200/600V ± (1.5%rdg+5dgts)	200/2K/20K/2M/20M ± (1.0%rdg+3dgts)
FC-266	200/1000A ± (2.0%rdg+5dgts)	750V ± (1.0%rdg+5dgts)	200/20KΩ ± (1.0%rdg+2dgts)
FC-260D	200/1000A ± (2.0%rdg+5dgts)	200/750V ± (1.0%rdg+5dgts)	200/2K/20K/200K/2MΩ ± (1.0%rdg+3dgts)

Electric Control Box



ECB-1000



ECB-1000Q



ECB-5080

ECB-1000

Specification:

- Product size: 250x190x139mm

Technical parameters:

- Compressor working time when sensor error: 0~99 minutes
- Compressor end time when sensor error: 0~99 minutes
- Cooling relay output: 10A/220VAC
- Heating relay output: 10A/220VAC
- Alarm output when Sensor error or exceeding temperature limits: LED flashes
- Temperature measuring range:-50~+90°C
- Return difference: 1~15°C
- Exceeding temperature limit alarm value: 1~15°C
- Accuracy of temp. measuring and controlling: ±1°C
- Resolution:0.1
- Compressor delay time: 0~9 minutes(Adjustable)

ECB-1000Q

Features:

- Big display area shows all necessary information

Technical parameters:

- Power Supply: 220VAC±10%, 50/60Hz
- Power Consumption: Less than 5W
- Temperature Measuring Range:-45°C~99°C
- Accuracy:±1°C
- Temperature Controlling Range-40°C~90°C
- Resolution: 0.1°C/1°C OR 1°F
- Relay Capacity of Compressor:
- Max. capacity for compressor:3HP
- Max. capacity for fan: 500W
- Max. capacity for light:300W
- Defrost: 8A/220VAC
- Alarm: 5A/220VAC
- Work Temperature: -5°C~60°C
- Sensor Type: NTC(10K /25C, B-3435K)

ECB-5080

Specification:

- Product size: 300x420x150mm

Technical Parameters:

- Power supply: Three-phase five-wire(or three-phase four-wire), 380VAC ±10%, 50Hz
- Temperature measuring and controlling range:-50~+50°C
- Accuracy:±1°C
- Resolution:0.1
- Compressor start-up delay protection time:0~120 minutes(Adjustable)
- Max.capacity of controlling the compressor, defroster, fan(KW):11

Electric Control Box ECB-2000 series



Part No.	Power(HP)	Compressor	Defrosting	Fan
ECB2010	5 10	√		
ECB2020	5 10	√	√	
ECB2030	5 10	√	√	√



ECB2010/2020

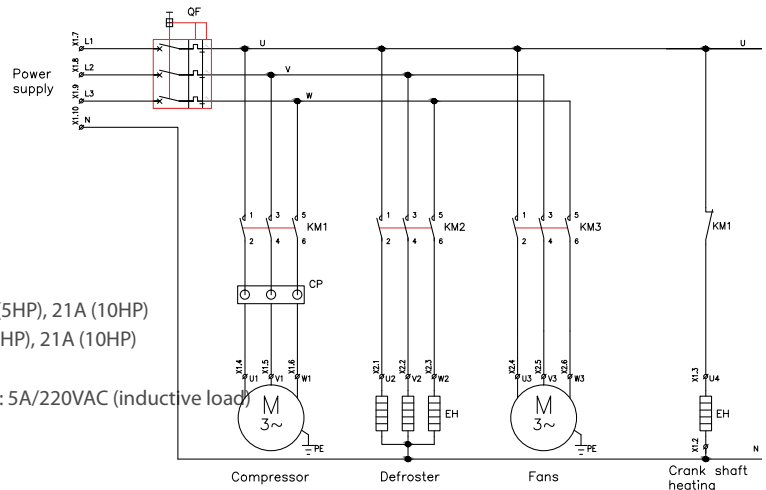


ECB2030



Technical parameters

- Power supply: three-phase-four-wire 380VAC±10%/50Hz
- Temperature measuring range: 5~100°C
- Temperature accuracy:±0.1
- Temperature control range:-10~85°C
- Temperature resolution: 0.1
- Current measuring range: 0~80A
- Current measuring accuracy: ±2A (0~30A), ±3% (within the nominal range of mutual inductor)
- Current display resolution: 0.1A
- The maximum continuous output current of compressor loop: 10A (5HP), 21A (10HP)
- The maximum continuous output current of defrosting loop: 10A (5HP), 21A (10HP)
- The maximum continuous output current of fan loop: 5A
- The maximum continuous output current of cold storage light loop: 5A/220VAC (inductive load)
- Ambient temperature: 0~40°C
- Sensor: NTC (thermistor) (10kΩ/25 B value 3435K)
- Communication interface: RS485





Digital Multimeter



UT-33D



UT-139C



FC-2010



FC-838



FC-830L

Part No.	DC Current	AC Voltage	Resistance	DC Voltage
UT-33D	2m/20m/200m/10A	200/200V	200/2000/20k/200k/20M/200M	0.2/2/20/200/500V
UT139C	600µA/6000µA/60mA/600mA/6A/10A	6V/60V/600V	600Ω/6KΩ/60KΩ/600KΩ/6MΩ/60MΩ	600mV/6V/60V/600V
FC-2010	2m/20m/200m/10A	200/600V	200/2000/20k/200k/2M/200M	200m/2/20/200/600V
FC-838	2000u/20m/200m/10A	200/750V	200/2000/20k/200k	200m/2000m/20/200/1000V
FC-830L	2m/20m/200m/10A	200/750V	200/2000/20k/200k/2000k	200m/2/20/200/600V



UT-300A Infrared Thermometer

Temperature Range: 18C~280°C
Repeat precision: ±0.5°C
Resolution: 0.1°C
Distance to spot size: 10:1
Response Time 500mS
Emissivity: 0.95



UT-361 Temperature/Vane Anemometer

Range: 2-10m/s ±(3%+5) 10-30m/s ±(3%+8)
Operating Temperature 0~40°C (32°F~104°F)
Function: Auto power-off, Data hold, wind sleep, units Switch, Auto Record time setup, Low Battery Display, Display Backlight
Sleep mode Around 10 minutes



UT-391 Distance meter

Accuracy: ±2mm
Measuring Distance (m) 0.05~60m
Unit: m/in/ft
Laser Class: 620~680nm, <1mw
Multiple Lines Display 3 lines
Auto Power Off: around 3 minutes



KS-7115 Capacitance testers

Display: 19 Power: 9Vx1 (6F22)
Test pen: Part No: Ks-3008
Weight: Approx. 315g including battery
Dimension: 170(L)x80(W)x50(H)mm
Standard Quantity Per Carton 40PCS
Standard Carton Measurement: 540x375x240mm
Standard Carton Gross Weight 1.8Kg

Mini series

Mini Infrared Thermometer



UT300S

Temperature: -32°C~400°C

Mini Temperature & Humidity Meter



UT333

Humidity: 0~99%RH
Temperature: -10~60°C

Mini Sound Meter



UT353

Noise: 30~130dB

Mini Anemometer



UT363

Wind Speed: 0~30m/s



FC-VG88

Digital programmable Vacuum Meter

Part No.	FC-VG88
Vacuum range	0~15000 Microns (0~2000pa)
Operating Temperature range	-40°C~45°C
Battery model	5 x 1.5V battery
Battery life	300 hours of using
Vacuum meter units	pa, mBar, mmHg, Torr, mTorr, Microns
Vacuum meter indicate	Real-time vacuum pressure test and percentage indicate

9 A/C INSTALLATION PARTS



QUALITY DELIVERED





Condensate Water Pump



PC-1218



PC-1028

Part No.	PC-1218	PC-1028
Voltage	230V, 50/60Hz or 115V/60Hz	230V, 50/60Hz or 115V/60Hz
Suction lift	Max.2m(6.5ft)	Max.2m(6.5ft)
Discharge head	Max.12m	Max.12m
Flow rate	Max.12L/H(3.2GPH)	Max.12L/H(3.2GPH)
Sound level	<25dB(A)	<25dB(A)
Tank capacity	35ml	35ml
Mini splits up to	10KW(30,000BUT/H)	10KW(30,000BUT/H)
Ambient temperature	0°C~50°C	0°C~50°C
Power consumption	<16W	<16W



Part No.	PC-12B	PC-36b
Voltage	230V, 50/60Hz or 115V/60Hz	100~230V, 50/60Hz
Suction lift	Max.2m(6.5ft)	Max.2m(6.5ft)
Discharge head	Max.8m/H(26ft)	Max.10m(33ft)
Flow rate	Max.12L/H(3.2GPH)	Max.36L/H(9.5GPH)
Sound level	<19dB(A)	<21dB(A)
Tank capacity	35ml	35ml
Mini splits up to	8KW(30,000but/hr)	15KW(96,000but/hr)
Ambient temperature	0°C~50°C	0°C~50°C
Power consumption	16W	3W



Part No.	PC-24B	PC-40 b
Voltage	100~230V, 50/60Hz	100~230V, 50/60Hz
Suction lift	Max.2m(6.5ft)	Max.2m(6.5ft)
Discharge head	Max.10m(33ft)	Max.10m(33ft)
Flow rate	Max.24L/H(6.2GPH)	Max.40L/H(10.5GPH)
Sound level	<19dB(A)	<21dB(A)
Tank capacity	55ml	55ml
Mini splits up to	8KW(30,000but/hr)	15KW(96,000but/hr)
Ambient temperature	0°C~50°C	0°C~50°C
Power consumption	3W	3W



Part No.	PC-30228	PC-50288
Voltage	230V, 50/60Hz	230V, 50/60Hz
Discharge head	Max.3m(9.8ft)	Max.5m(16.4ft)
Flow rate	Max.15L/H(3.2GPH)	Max.50L/H(9.5GPH)
Sound level	<45dB(A)	<55dB(A)
Tank capacity	200ml	200ml
Ambient temperature	0°C~50°C	0°C~50°C
Power consumption	55W	58W
Current intensity	50mA	50mA



PC-320A



PC-125A

Part No.	PC-320A	PC-125A
Voltage	100~230V, 50/60Hz	230V,50/60Hz or 115V/60Hz
Suction lift	--	--
Discharge head	Max.6m(20)	Max.4m(13ft)
Flow rate	FMax.320L/H(85GPH)	Max.125L/H(33GPH)
Sound level	<28dB(A)	<48dB(A)
Tank capacity	1.8L	1.8L
Ambient temperature	0°C~50°C	0°C~50°C
Power consumption	20W	60W
Current intensity	100mA	500mA

Condensate Water Pump



Part No.	PC-24A
Voltage	100~230V, 50/60Hz
Discharge head	Max.10m(33ft)
Flow rate	Max.24L/H(6.2GPH)
Sound level	<16dB(A)
Tank capacity	200ml
Ambient temperature	0°C~50°C
Power consumption	3W
Current intensity	50mA



Part No.	PC-200A
Voltage	220V/50-60Hz
Power	23W
Flow rate	1.5L/min
Connection	25mm
Max Lift	200cm

Power Washer

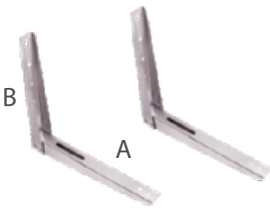
Part No.	PCW-4
Voltage	220V/50-60Hz
Power	80W
Flow rate	4L/min
Working pressure	0.7~1MPa
Weight	5kgs



Bracket for A/C Outdoor Unit

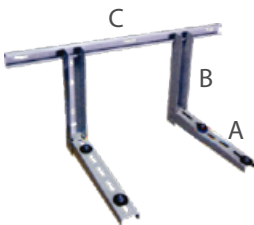
Remark:

We can manufacture brackets according to customer's special requirement, for example: different material, different size, thickness, color, surface treatment, price can be very competitive



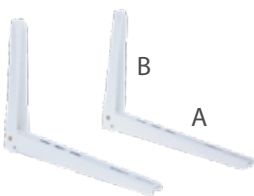
Part No.	A(mm)	b(mm)	Packing	1*20"
B-400	450	350	506*62*68-2.16KG	6000Pcs
B-500	550	450	620*90*70-2.85KG	6000Pcs

**Stainless Steel, Galvanized Steel



Part No.	A(mm)	b(mm)	C(mm)	Packing	1*20"
C-3011	380	400	700	705*75*90-3.3KG	4000Pcs
C-3012	480	400	700	705*75*90-3.6KG	4000Pcs
C-3013	620	420	1000	1005*75*90-5.9KG	3000Pcs

**Steel

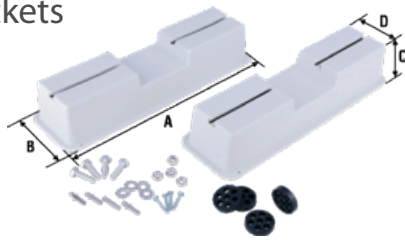


Part No.	A(mm)	b(mm)	Packing	1*20"
D-3011	450	400	480*80*55-2.78KG	5500Pcs
D-3012	500	400	530*80*55-2.9KG	5500Pcs
D-3013	550	400	580*80*55-3.4KG	5000Pcs
D-3014	650	460	680*80*55-3.46KG	5000Pcs

**Steel



Plastic A/C Brackets



Part No.	A(mm)	b(mm)	C(mm)	D(mm)	Application
WTG118-A	390	115	73	82	7000~12000BTU
WTG118-B	490	115	73	82	12000~24000BTU
WTG118-C	450	115	73	82	12000~24000BTU

Part No.	A(mm)	b(mm)	C(mm)	D(mm)	Application
WTG111-A	350	89	80	68	7000~12000BTU
WTG111-B	450	89	80	68	12000~24000BTU

Rubber Anti Vibration Mountings



WTG002-A



WTG001-A



WTG112-A



WTG005-A



WTG006-A



WTG113-A



WTG-AG35



WTG-AG45



WTG-SG40



WTG-SG60

*For specific size, please contact with our sales.



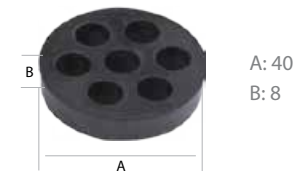
Rubber Anti Vibration A/C Brackets



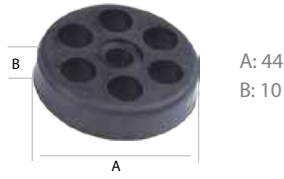
Part No.	Size(mm)	Material	N.W.(kg)	G.W.(kg)
AVB-250	250x160x95	Rubber, Alum Alloy	2.3	2.6
AVB-450	450x160x95	Rubber, Alum Alloy	4.5	4.8
AVB-600	600x160x95	Rubber, Alum Alloy	6.2	6.5
AVB-1000	1000x160x95	Rubber, Alum Alloy	10	10.3

Accessory include:

- 2 pcs fixed screw rod.
- 2 pcs washer.
- 2 pcs nut.



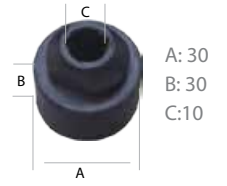
WTG004-A



WTG004-B



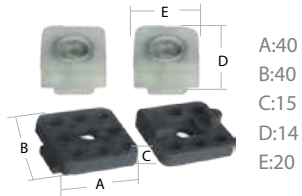
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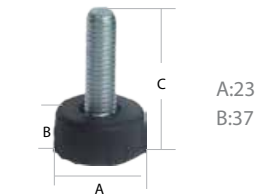
WTG117-A



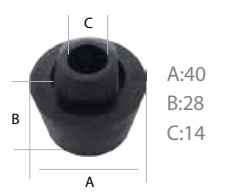
WTG008-A



WTG008-A

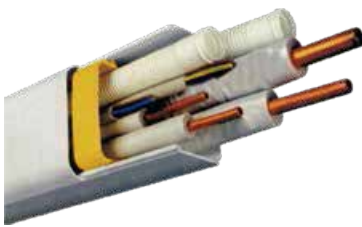


WTG009-A



WTG117-B

Pipeline Conduit System



Ducting

- Air conditioning duct made of white rigid PVC
- Stabilized against UV rays, shock proof & Fire proof
- Comes in standard 2 meter lengths
- Italian Style & quality, home owners like the look
- Fast & simple to Install

Flexible Joint

- Used in difficult line up installations
- Made out of white rigid PVC and are suitable for duct size 90mmx65mm
- Stabilized against UV rays, shock proof & Fire proof
- Only available in 90mmx65mm dimensions



Part No.	Dimension(wxd)
PC2001	90x65x2mt

Part No.	Dimension(wxd)
PC2202	90x65x500mm



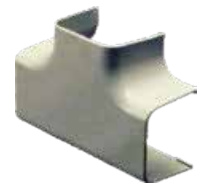
Part No.	Dimension(wxd)
PC2115	90x65



Part No.	Dimension(wxd)
PC2117	90x65



Part No.	Dimension(wxd)
PC2116	90x65



Part No.	Dimension(wxd)
PC2200	90x65



Part No.	Dimension(wxd)
PC2113	90x65



Part No.	Dimension(wxd)
PC2112	90x65



Part No.	Dimension(wxd)
PC2102	90x65



Part No.	Dimension(wxd)
PC2104	Upper Connector-with Seal



Part No.	Dimension(wxd)
PC2101	90x65



Part No.	Dimension(wxd)
PC2114	90x65



Part No.	Dimension(wxd)
PC2201	90x65



Part No.	Dimension(wxd)
PC2111	90x65

Universal A/C Control System



QD-U08C

- Auto-restart function
- Sleep function
- 5 working modes, timer on/off
- Prevent cold breeze in heating mode
- Accurate & stable auto fan
- Colorful sensor socket, easy for connecting
- Updated receiver show intuitional
- Updated transformer, quick plug, easy for installation
- Accurate & stable temperature control
- Defrost automatically
- 3 fan speed



QD-U02B(SW)

Switch power series
Same functon with QD-U02B common model,and with the input voltage:
AC 100V-240V 50/60Hz



QD80

- For Inverter A/C Controller
- Available for most Inverter A/C produced before 2008
- Imported model, good quality



QD-U12A

- LCD background light display panel
- Auxiliary heating function
- Anions fresh air function
- Power protection
- Other features same as QD-U10Q



ZL-U02B

- 5 Working Mode
- 3 Fan Speed
- Accurate & Stable Temperature
- Accurate & Stable Auto Fan
- Timer In-line/Off-lin Sleep
- Time Defrost
- Comperssor protect timer for its run and stop
- Prevent cold wind in heating mode



ZL-U02C

Economic model, 2 fan speed other function same as that of ZL-U02B, price is even low.
There are some other processes for this model, the result is more easy installation, more safe.



ZL-U10A

High quality, full function.
It is suitable for both split and cabinet conditioner.
In control and display panel, And the manipulation is so simple as that the baby and old man can control the conditioner without any difficulty



ZL-U03A

Compared with U02B, its defrosting function works when the temperature difference of the input and output air less than 16 Celsius.
So it is more efficient in heating mode, and suitable for cold area.



ZL-U11A

High quality, full function.
It is suitable for both split and cabinet conditioner.
In control and display panel, And the manipulation is so simple as that the baby and old man can control the conditioner without any difficulty

A/C Remote Controller

Below Multi-Functional Remotes Apply to Various Air-Conditioner including:

MITSUBISHI, SHARP, HITACHI, TOSHIBA, DAIKIN, SANYO, NEC, HAIER, NATIONAL, WHIRLPOOL, AUX, BOERKA, MIDEA, CHANGHONG, GREE, SAMSUNG, CARRIER : CHIGO, CHOFU, CONROWA, CORONA, DOCTORAUCMA, HYUNDAI, JDC, JINDAALPIN, JOHNSONKELOW, KLIMATAIR, KOLIN, KONKA :etc.



KT-100A(100 in 1)



KT-109E(110 in 1)



KT-208(208 in 1)



KT-508



KT-518



KT-e01(2000 in 1)



KT-e02(4000 in 1)



KT-e05(4000 in 1)



KT-e08-6000 in 1)



KT-Dot1(2000 in 1)



KT-528(1028 in 1)



KT-N898



KT-N828(2000 in 1)



KT-N858(2000 in 1)



KT-B03(2000 in 1)



KT-1000(1000 in 1)



KT-9018E(4000 in 1)



SPEAKER(2000 in 1)



KT-G1
(Remote controller+Thermometer
+Hydrometer+Clock)



e-Remote



Aluminum Foil Adhesive Tape

By roll, 27m lengths 20 rolls per carton.



Thickness(mm)	Width(mm)
0.03	45
0.03	50
0.04	45
0.04	50
0.05	45
0.05	50

*To be adjusted as per specific requirement

Air Conditioner Drain Pipe



Diameter(mm)	Length(mm)
16	50
20	50

Insulation Tape with Self-adhesive

1By roll, 30ft(9.14m)lengths 30rolls per carton.



Thickness(mm)	Width(mm)
3	25
3	50
5	50

SB Series Cleaner

SB-910

Recommended for Evaporator Coils, Air Filters and Mechanical Equipment Remo

- Environmentally Safe
- Non-Caustic, Self-Rinsing
- USDA Authorized
- Contains Metal Fatigue Inhibitors
- Non-Acid, Non-Toxic
- Good for all Metal, Copper & Aluminium



SB-910A

READY FOR USE

SB-920

Acid Condenser Cleaner & Brightener

SB-920 is the most powerful penetrating foaming acid coil cleaner on the market. SB-920 effortlessly pushes dirt, bugs, grease, oxides and other contamination off and through the coils and from all inaccessible area.

- Heavy Duty
- Cleans & Brightens Finned Air Coils
- Good for Copper, Aluminium and Brass



SB-920A

READY FOR USE

SB-930

External Condenser Coil Cleaner and Brightener Recommended for evaporator and Condenser Coils, Air Filters and Mechanical Equipment. Removes Grease, Oxidation and Built-up Dirt

- Biodegradable
- Eliminate Dirt, Grease & Oxides
- USDA Authorized
- Contains Metal fatigue Inhibitors
- Non-Acid
- Good for all metal, copper & aluminium



SB-930A

READY FOR USE

PVC Electrical Insulation Tape



Part No.	Size
EIT-06	0.13mmx19mmx6yds
EIT-08	0.13mmx19mmx8yds
EIT-10	0.13mmx19mmx10yds
EIT-20	0.13mmx19mmx20yds
EIT-10M	0.13mmx19mmx10m
EIT-20M	0.13mmx19mmx20m

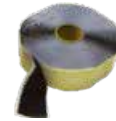
PVC Air Conditioner Insulation Tape



Part No.	Size
PVC1	0.13mmx48mmx15m
PVC2	0.13mmx48mmx18m

Cork Tape

Black rubber, air conditioner heat preservation tape.



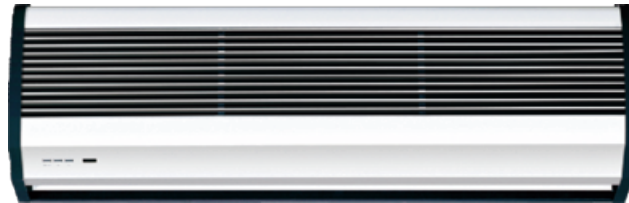
Thickness(mm)	Width(mm)	Length(inch/mm)
3	25	30/9140
3	50	30/9140
5	50	30/9140

Suitable temperature:20°F to 360°F
Nature: Pull strength 13kg/cm², extension rate 800%, good recovery nature after compers.

Air Curtain



Part No.	Size(mm)	Volt./Freq	Motor power (W)		Air volume(m ³ /h)		Air speed(m/s)	Noise(dB)		N.W(kg)
			Hi	Lo	Hi	Lo		Hi	Lo	
FM-3509	900x230x215	220V/50Hz	230	200	1100	600	13-16	52	49	13
FM-3510	1000x230x215	220V/50Hz	250	220	1200	900	13-16	25	49	13.5
FM-3512	1200x230x215	220V/50Hz	290	260	1500	1200	13-16	53	50	15.5
FM-3515	1500x230x215	220V/50Hz	380	350	1900	1500	13-16	55	53	20
FM-3518	1800x230x215	220V/50Hz	450	420	2280	1800	13-16	57	54	23.5
FM-4009	900x230x215	220V/50Hz	300	270	1400	1000	16-20	57	54	13
FM-4010	1000x230x215	220V/50Hz	320	290	1550	1100	16-20	57	54	13.5
FM-4012	1200x230x215	220V/50Hz	400	370	1900	1500	16-20	58	55	13.5
FM-4015	1500x230x215	220V/50Hz	500	470	2300	1900	16-20	61	58	20



Part No.	Size(mm)	Volt./Freq	Motor power (W)		Air volume(m ³ /h)		Air speed(m/s)	Noise(dB)		N.W(kg)
			Hi	Lo	Hi	Lo		Hi	Lo	
FM-1209T/Y5G	900x190x220	220V/50HZ	160	110	1400	1100	9-11	57	55	10
FM-1210T/Y5G	1000x190x220	220V/50HZ	180	130	1600	1300	9-11	58	56	11
FM-1212T/Y5G	1200x190x220	220V/50HZ	200	150	1900	1600	9-11	58	56	12.5
FM-1215T/Y5G	1500x190x220	220V/50HZ	230	180	2500	2000	9-11	59	57	15.5
FM-1218T/Y5G	1800x190x220	220V/50HZ	300	250	3200	2600	9-11	60	58	18

Flexible Strip Door



Description:

Our PVC strip door designed to help save energy and reduce dust and noise. Available as complete strip door with mounting hardware, bulk rolls, or individual replacement strips. Available in different colour (clear), opaque (black only)

Width: 200mm, 300mm, 1200mm (black only)

Thickness: 2mm, 3mm

Length: Standard length is 50m per roll, but we can offer cut to size if required.

We can even supply mounting hardware.



Barcket for PVC Strip Door

Material: Stainless steel or steel

Length: 1 Meter

Thickness: 1mm

Plate Length: 150mm, 200mm





Square Air Diffuser

Part No.: SDA | Material: Aluminium



Overall Size (mm)	Neck Size (mm)
295*295	150*150
370*370	225*225
445*445	300*300
520*520	375*375
595*595	450*450

Round Air Diffuser

Part No.: RDA | Material: Aluminium



Neck Size (mm)
150
200
250
300
350

Swirl Air Diffuser

Part No.: SDS | Material: Steel



Overall Size (mm)
595*595
610*610

Linear Slot Diffuser

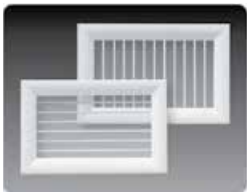
Part No.: LSD | Material: Aluminium



Overall Size (mm)	Neck Size (mm)	Slot
77*1000	113*964	2
77*1500	113*1464	2
77*2000	113*1964	2
132*1000	156*964	3
132*1500	156*1464	3

Single Deflection Grille

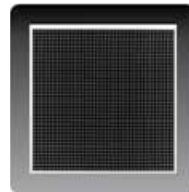
Part No.: SDG | Material: Aluminium



Overall Size (mm)	Neck Size (mm)
200*300	148*248
300*400	248*348
400*500	348*448
500*600	448*548
600*700	548*648

Eggcrate Grille

Part No.: EG | Material: Aluminium



Blades degree	Neck Size (mm)
EG0	595*595
EG45	595*595

Ball Spout

Part No.: BSA | Material: Aluminium



Neck Size (mm)
150
200
250
315
400

Disc Valve

Part No.: BSS | Material: Aluminium



Neck Size (mm)
100
125
150
160
200

Pipe Clamp

DF-1006



Use Area	Bandwidth(mm)	Package Size(cm)	pcs/ctn	Weight(kgs)
8-12mm	9	40x27x10	1000	10
10-16mm	9	40x27x13	1000	10.5
12-22mm	9	40x27x14	1000	11
16-27mm	9	40x27x17	1000	11.7
23-35mm	9	40x27x21	1000	12.6
30-45mm	9	40x27x25	1000	13.7
30-45mm	9	40x27x29	1000	14.4
32-50mm	9	40x27x21	500	7.6
40-60mm	9	40x27x26	500	8.3
50-70mm	9	55x27x31	500	9
60-80mm	9	55x27x36	500	9.8
70-90mm	9	55x26x31	500	10.5
80-100mm	9	55x26x34	500	10.8
90-110mm	9	55x26x37	500	11.5
100-120mm	9	55x26x20	250	6.3
110-120mm	9	55x26x22	250	6.6
120-140mm	9	55x26x24	250	7
130-150mm	9	55x26x26	250	7.5
140-160mm	9	55x26x26	250	8

Spiral Clamp

DF-1002



American fastener Bandwidth: 12.7mm

Part No.	Specification	Use Area	Bandwidth(mm)	Package Size(mm)	pcs/ctn	Weight(kgs)
#16	1-1/2"	21-38mm	12.7	50x30x24	1000	21
#20	1-3/4"	21-44mm	12.7	50x30x17	500	11
#24	2"	27-51mm	12.7	50x30x21	500	11.5
#28	2-1/4"	33-57mm	12.7	50x30x24	500	1
#32	2-1/2"	40-63mm	12.7	50x30x27	500	12.5
#36	2-3/4"	46-70mm	12.7	50x30x31	500	13
#40	3"	52-76mm	12.7	50x30x34	500	14
#44	3-1/4"	59-82mm	12.7	50x30x37	500	14.5
#48	3-1/2"	65-89mm	12.7	50x30x41	500	15
#52	3-3/4"	72-95mm	12.7	50x30x44	500	15.5
#56	4"	78-101mm	12.7	50x30x47	500	16
#60	4-1/4"	84-108mm	12.7	50x30x50	500	16.5
#64	4-1/2"	91-114mm	12.7	50x30x26	250	8.7
#68	4-3/4"	95-120mm	12.7	50x30x30	250	9.1
#72	5"	105-127mm	12.7	50x30x34	250	9.5
#80	5-1/2"	118-140mm	12.7	50x30x40	250	10.3
#88	6"	130-152mm	12.7	50x30x46	250	11.1
#92		133-159mm	12.7			
#96	6-1/2"	143-165mm	12.7	50x30x50	250	11.8
#100		146-171mm	12.7			
#104	7"	155-178mm	12.7	50x40x42	250	12.6

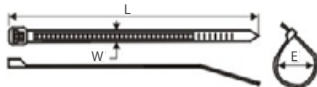
DF-3001



Heavy Pipe Clamps M10 With Epdm Rubber

Part No.	No.	Size(mm)	Inch	Reference	No.	Size(mm)	Inch
109015	15	12-16	--	109125	125	125-130	--
109018	18	15-19	3/8"	109133	133	132-137	--
109022	22	20-25	1/2"	109140	140	138-142	5"
109028	28	26-30	3/4"	109150	150	148-152	--
109035	35	32-36	1"	190160	160	159-166	6"
109040	40	38-43	1-1/4"	109200	200	200-212	--
109048	48	47-51	1-1/2"	109220	220	215-226	--
109054	54	53-58	--	109250	250	248-252	--
109060	60	60-64	2"	109315	315	312-318	--
109070	70	68-72	--	109355	355	352-358	--
109075	75	75-80	2-1/2"	109400	400	395-405	--
109083	83	81-86	--	109450	450	446-456	--
109090	90	87-92	3"	109500	500	496-506	--
1090100	100	99-105	3-1/2"	109560	560	556-566	--
1090110	110	107-112	--	109630	630	626-636	--
1090115	115	113-118	4"				

Coloured Cable Ties (Material: Nylon 66)



Part No.	L (mm)	W (mm)	Bundle Diameter E (mm)	Min. Loop	Tensile Strength	Packing
QLS-3 x 60	60	2.5	2-11	18	8	100PCS & 100PCS
QLS-3 x 100	100	2.5	2-22	18	8	100PCS & 100PCS
QLS-3 x 200	200	2.5	3-50	18	8	100PCS & 500PCS
QLS-4 x 150	150	3.5	3-35	40	18	100PCS & 500PCS
QLS-4 x 200	200	3.5	3-50	40	18	100PCS & 500PCS
QLS-4 x 300	300	3.5	3-80	40	18	100PCS & 500PCS
QLS-5 x 200	200	4.8	3-50	50	22	100PCS & 500PCS
QLS-5 x 300	300	4.8	3-80	50	22	100PCS / 250PCS
QLS-5 x 400	400	4.8	3-105	50	22	100PCS & 250PCS
QLS-5 x 500	500	4.8	3-150	50	22	100PCS & 250PCS
QLS-8 x 150	150	7.8	4-35	120	55	100PCS & 500PCS
QLS-8 x 200	200	7.8	4-50	120	55	100PCS & 500PCS
QLS-8 x 300	400	7.8	4-80	120	55	100PCS & 250PCS
QLS-8 x 400	400	7.8	4-102	120	55	100PCS & 250PCS
QLS-8 x 500	500	7.8	4-150	120	55	100PCS & 250PCS
QLS-10 x 500	500	9	8-50	175	80	100PCS & 250PCS
QLS-12 x 650	650	12	15-190	250	114	100PCS



Aluminium Flexible Duct



ALU+

Duct Material	Aluminium/Polyester
Standard Length	10m
Compressed Length	0.4m/0.6m
Diameter Range	76mm/1200mm
Temperature Range	-30/+140
Maximum Air Velocity	30m/Sec(5906ft/min)
Max. Positive Working Pressure	2500pa
Packing	Individual Carton

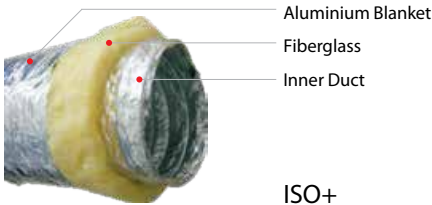
Combined Flexible Duct



COMBI+

Duct Material	Aluminium/Polyester/PVC
Standard Length	10m
Compressed Length	0.4m/0.6m
Diameter Range	76mm/1200mm
Temperature Range	-30/+140
Maximum Air Velocity	30m/Sec(5906ft/min)
Max. Positive Working Pressure	3000pa
Packing	Individual Carton

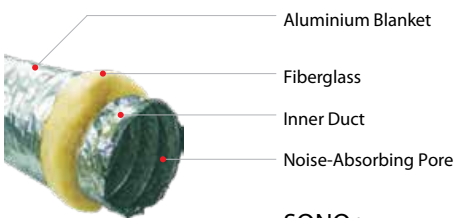
Insulated Flexible Duct



ISO+

Outer Jacket	Aluminium/Polyester
Standard Fiberglass Color	Yellow
Fiberglass Density	16/m ³
Fiberglass Thickness	25mm
Standard Length	10m
Compressed Length	1m/1.2m
Diameter Range	76mm/1200mm
Temperature Range	-30/+140
Maximum Air Velocity	30m/Sec(5906ft/min)
Max. Positive Working Pressure	2000pa
Packing	Individual Carton

Silent Insulated Flexible Duct



SONO+

Outer Jacket	Aluminium/Polyester
Standard Fiberglass Color	Yellow
Fiberglass Density	16/m ³
Fiberglass Thickness	25mm
Standard Length	10m
Compressed Length	1m/1.2m
Diameter Range	76mm/1200mm
Temperature Range	-30/+140
Maximum Air Velocity	30m/Sec(5906ft/min)
Max. Positive Working Pressure	2000pa
Packing	Individual Carton

Semirigid Flexible Duct



SEMI+

Duct Material	Aluminium
Thickness of Aluminium	0.08mm
Standard Length	3m
Compressed Length	1m
Diameter Range	75mm/600mm
Temperature Range	-30/+250
Maximum Air Velocity	25m/Sec(4922ft/min)
Max. Positive Working Pressure	2000pa
Packing	Individual Carton

PET Flexible Duct

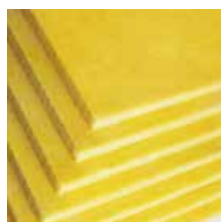


Duct Material	Polyester
Standard Length	10m
Compressed Length	0.1m/0.15m
Diameter Range	76mm/1200mm
Temperature Range	-40/120
Maximum Air Velocity	30m/Sec(5906ft/min)
Max. Positive Working Pressure	3000pa
Packing	Individual Carton



MAT+

Common Centrifugal Glass Wool
 • It is widely applied for the application of the heat insulation and noise absorbing for building construction.
 • Different colors get different prices.
 • Density: 10, 12, 14, 16, 20, 24, 32kg/m³



BOARD+

Common Centrifugal Glass Wool Boards
 • It is widely applied for the application of the heat insulation and noise absorbing for building construction.
 • Density: 24, 28, 32, 36, 40, 44, 48, 60, 64, 80, 96kg/m³.
 • Thickness: 15~75mm.
 • Length: 1200mm, 2400mm.
 • Width: 600mm, 1200mm.



Clamp Band

PRODUCT DESCRIPTION

- Comes with a handy plastic container having 30m strip inside and with multi clamp, you may cut it to any size fitting different size flexible ducts.
- Band: 9mm width, 0.6mm thickness width rounded edges and smooth underside of banding prevent any risk of damage of the duct of pipe being clamped.

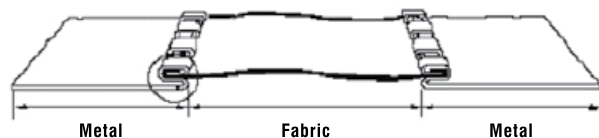
Flexible Duct Connector

PRODUCT DESCRIPTION

Flexible duct connector is formed through fold repression by using fire-resistant fabric and punching sheet. With this technic, the gas tightness is good, the punching sheet is easy to be shaped, and the installation is convenient. It can replace the old common canvas to save time. You can bend the galvanized sheet into whatever shape you need, and then use the tapping screw or the self-plugging rivet to tight it. Another installation method is spot welding processing.

Part No.	Fabric	Metal
35mm	60mm	35mm
45mm	60mm	45mm
45mm	70mm	45mm
45mm	75mm	45mm
70mm	100mm	70mm

Flexible connector size



Polyester Fire-resistant Fabric Duct Connector Model:Fc1
 • Steel: Galvanized, 0.4mm thick
 • Fabric: Fire-resistant polyester coated PVC
 • Color: Black
 • Temperature Range: 30 Deg.C~+120 Deg.c
 • Tensile Strength (N): 3000x2090
 • Anti-rips intensity (N): 288.5x246.6
 • Length per Roll: 25m, 30m, 45m, 50m,



Polyester Fire-resistant Fabric Duct Connector Model:Fc2
 • Steel: Galvanized, 0.4mm thick
 • Fabric: Fire-resistant fiberglass coated silicone
 • Color: Black
 • Temperature Range: 30 Deg.C~+280 Deg.c
 • Tensile Strength (N): 3000x1860
 • Anti-rips intensity (N): 253.6x180.5
 • Length per Roll: 25m, 30m, 45m, 50m,



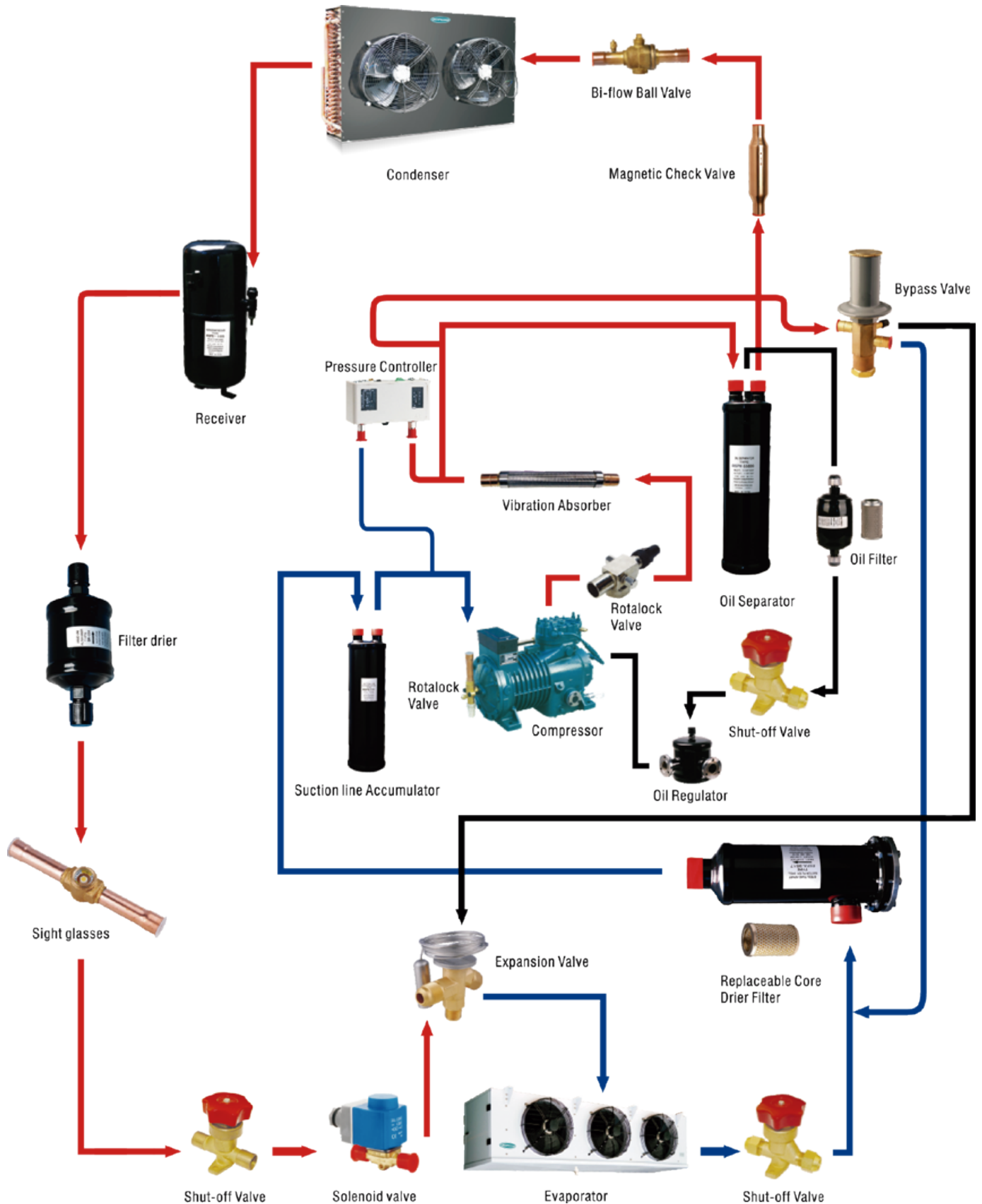
10 REFRIGERATION SPARE PARTS



QUALITY DELIVERED



SCHEMATIC OF REFRIGERATION SYSTEM

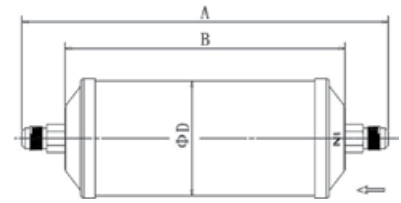




SRK Liquid Line Filter Drier(Solid Core)



Alco type



SRK liquid line filter driers are designed with a molded core with a mix of components which provides high filtration capacity. This assures the optimal drying capacity and avoids acid formation in the refrigeration system.

Feature

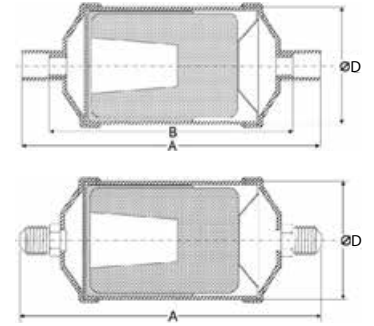
- 100% molecular sieve core; • Compatible with all CFC, HCFC and HFC refrigerants and oil;High dirt retention, down to 40 μm particles, with minimal pressure drop;
- High absorbent and acid removable capacity;Highly corrosion-resistant powder coating finish. Can be used in all environments, including marine applications;
- Maximum working pressure: 4.7MPa/680Psig.

Part No.	Connections		Liquid Flow Capacity (KW)					Dimensions		
	ODF	SEA	R134a	R22/R410A	R407C	R404A/R507	R502	A	B	D
SRK-032	--	1/4	6.7	7.4	7.2	4.9	4.6	113	66	43
SRK-032S	1/4	--	8.1	8.7	8.5	6.0	5.6	110	66	43
SRK-033	--	3/8	9.5	10.2	10.2	7.0	6.7	123	66	43
SRK-033S	3/8	--	10.5	11.6	11.6	7.7	7.4	114	66	43
SRK-052	--	1/4	61.2	49.8	61.8	41.3	40.3	119	72	63.5
SRK-052S	1/4	--	9.7	10.4	10.2	7.9	7.6	116	72	63.5
SRK-053	--	3/8	11.5	12.3	12.1	9.7	9.4	129	72	63.5
SRK-053S	3/8	--	47	52	51	32	31	120	72	63.5
SRK-082	--	1/4	50	55	54	35	34	145	98	63.5
SRK-082S	1/4	--	70.5	76.7	76.7	50.9	49.8	142	98	63.5
SRK-083	--	3/8	12.7	12.5	12.1	10	9.8	155	98	63.5
SRK-083S	3/8	--	14.5	15.9	15	9.7	27	146	98	63.5
SRK-084	--	1/2	36	31	42	42	34	163	98	63.5
SRK-084S	1/2	--	50.6	55	54	35.4	39	148	98	63.5
SRK-085S	5/8	--	55.6	60.1	59.1	40.4	61.6	146	98	63.5
SRK-162	--	1/4	87.6	95	93.2	63.3	11.6	159	112	76
SRK-162S	1/4	--	16.5	17.9	17.6	11.9	33	156	112	76
SRK-163	--	3/8	42.8	37	48	48	24.2	169	112	76
SRK-163S	3/8	--	34.4	37.3	36.6	24.9	26.4	160	112	76
SRK-164	--	1/2	37.6	40.8	40.1	27.4	39	177	112	76
SRK-164S	1/2	--	60	60	59	40	53	162	112	76
SRK-165	--	5/8	67	75	74	54	78.8	185	112	76
SRK-165S	5/8	--	111.6	121.4	121	80.5	5.2	160	112	76
SRK-166	--	3/4	7.3	7.9	7.9	5.3	9.0	191	112	76
SRK-166S	3/4	--	12.8	13.9	13.9	9.2	11.4	166	112	76
SRK-167S	7/8	--	16.2	17.6	17.6	11.7	16.6	172	112	76
SRK-302	--	1/4	23.5	25.5	25.5	16.9	5.2	232	185	76
SRK-303	--	3/8	7.3	7.9	7.9	5.3	9.0	242	185	76
SRK-303S	3/8	--	12.8	13.9	13.9	9.2	13.6	233	185	76
SRK-304	--	1/2	19.2	20.9	20.3	13.9	18.5	250	185	76
SRK-304S	1/2	--	26.1	28.4	27.9	18.9	22.9	235	185	76
SRK-305	--	5/8	32.3	35.3	34.3	23.4	25.7	258	185	76
SRK-305S	5/8	--	36.5	39.5	39.5	26.2	15.1	233	185	76
SRK-306	--	3/4	21.4	23.3	23.0	15.4	20.5	264	185	76
SRK-306S	3/4	--	29.0	31.6	31.6	21.0	30.2	239	185	76
SRK-307S	7/8	--	42.8	46.5	46.5	30.9	36.2	245	185	76
SRK-309S	1-18	--	51.3	55.8	55.8	37	45.3	245	185	76

SDCL Liquid Line Filter Drier(Solid Core) NEW



Danfoss type



This machine uses 80% 3A molecular sieve core and 20% active aluminum inside, it is a perfect core mixture for the equipment system which has strong drying requirement and work under lowest frozen temperature. It has best result to apply to refrigeration of CFC & HCFC (R22, R502) using with the petrol and ALKY-phenyl oil.

Feature

- High ability to remove pollutants such as moisture and acid, compatible with all CFC, HCFC and HFC refrigerants and oils;
- High dirt retention, down to 40 μm particles, with minimal pressure drop, high absorbent and acid removable capacity;
- Highly corrosion-resistant powder coating finish. Can be used in all environments, including marine applications; • Maximum working pressure: 4.7MPa/680Psig.

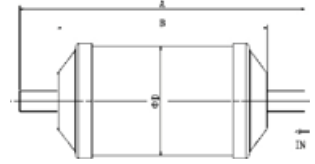
Part No.	Connections		Liquid Flow Capacity (KW)					Dimensions		
	ODF	SEA	R134a	R22/R410A	R407C	R404A/R507	R502	A	B	D
SDCL-032	--	1/4	6.7	7.4	7.2	4.9	4.6	113	66	43
SDCL-032S	1/4	--	8.1	8.7	8.5	6.0	5.6	110	66	43
SDCL-033	--	3/8	9.5	10.2	10.2	7.0	6.7	123	66	43
SDCL-033S	3/8	--	10.5	11.6	11.6	7.7	7.4	114	66	43
SDCL-052	--	1/4	61.2	49.8	61.8	41.3	40.3	119	72	63.5
SDCL-052S	1/4	--	9.7	10.4	10.2	7.9	7.6	116	72	63.5
SDCL-053	--	3/8	11.5	12.3	12.1	9.7	9.4	129	72	63.5
SDCL-053S	3/8	--	47	52	51	32	31	120	72	63.5
SDCL-082	--	1/4	50	55	54	35	34	145	98	63.5
SDCL-082S	1/4	--	70.5	76.7	76.7	50.9	49.8	142	98	63.5
SDCL-083	--	3/8	12.7	12.5	12.1	10	9.8	155	98	63.5
SDCL-083S	3/8	--	14.5	15.9	15	9.7	27	146	98	63.5
SDCL-084	--	1/2	36	31	42	42	34	163	98	63.5
SDCL-084S	1/2	--	50.6	55	54	35.4	39	148	98	63.5
SDCL-085S	5/8	--	55.6	60.1	59.1	40.4	61.6	146	98	63.5
SDCL-162	--	1/4	87.6	95	93.2	63.3	11.6	159	112	76
SDCL-162S	1/4	--	16.5	17.9	17.6	11.9	33	156	112	76
SDCL-163	--	3/8	42.8	37	48	48	24.2	169	112	76
SDCL-163S	3/8	--	34.4	37.3	36.6	24.9	26.4	160	112	76
SDCL-164	--	1/2	37.6	40.8	40.1	27.4	39	177	112	76
SDCL-164S	1/2	--	60	60	59	40	53	162	112	76
SDCL-165	--	5/8	67	75	74	54	78.8	185	112	76
SDCL-165S	5/8	--	111.6	121.4	121	80.5	5.2	160	112	76
SDCL-166	--	3/4	7.3	7.9	7.9	5.3	9.0	191	112	76
SDCL-166S	3/4	--	12.8	13.9	13.9	9.2	11.4	166	112	76
SDCL-167S	7/8	--	16.2	17.6	17.6	11.7	16.6	172	112	76
SDCL-302	--	1/4	23.5	25.5	25.5	16.9	5.2	232	185	76
SDCL-303	--	3/8	7.3	7.9	7.9	5.3	9.0	242	185	76
SDCL-303S	3/8	--	12.8	13.9	13.9	9.2	13.6	233	185	76
SDCL-304	--	1/2	19.2	20.9	20.3	13.9	18.5	250	185	76
SDCL-304S	1/2	--	26.1	28.4	27.9	18.9	22.9	235	185	76
SDCL-305	--	5/8	32.3	35.3	34.3	23.4	25.7	258	185	76
SDCL-305S	5/8	--	36.5	39.5	39.5	26.2	15.1	233	185	76
SDCL-306	--	3/4	21.4	23.3	23.0	15.4	20.5	264	185	76
SDCL-306S	3/4	--	29.0	31.6	31.6	21.0	30.2	239	185	76
SDCL-307S	7/8	--	42.8	46.5	46.5	30.9	36.2	245	185	76
SDCL-309S	1-18	--	51.3	55.8	55.8	37	45.3	245	185	76



SR Filter Drier(Compact Beads)



Alco type



The drier filters adopt a composition design of drying and filtration, and take gas as medium, effectively preventing filtration and soluble substances from entering the key positions of the refrigeration system, in order to secure and operation under the best condition.

Feature

- 100% 3A molecular sieve core;
- Shock resistant steel shell construction;
- High dirt retention, down to 25 μm particles, with minimal pressure drop;
- High absorbent and acid removable capacity;
- Highly corrosion-resistant powder coating finish. Can be used in all environments, including marine applications;
- Maximum working pressure: 4.7MPa/680Psig.

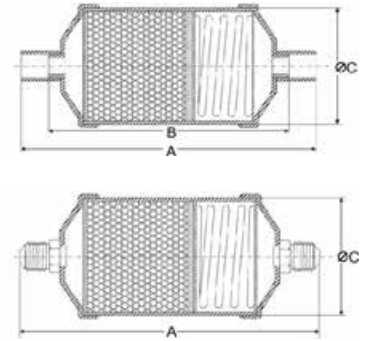


Part No.	Connections (in)		Liquid Flow Capacity (KW)					Dimensions (mm)		
	ODF	SEA	R134a	R22/R410A	R407C	R404A/R507	R502	A	B	D
SR-052	--	1/4	9.0	9.8	7.7	6.5	6.3	119	72	63.5
SR-052S	1/4	--	13.3	14.4	12.3	9.6	9.4	116	72	63.5
SR-053	--	3/8	21.4	23.3	13.4	15.4	15.1	129	72	63.5
SR-053S	3/8	--	26.5	28.9	16.9	19.1	18.7	120	72	63.5
SR-054S	1/2	--	34	36	23	24	23.5	122	72	63.5
SR-082	--	1/4	8.6	9.3	8.4	6.2	6.0	145	98	63.5
SR-082S	1/4	--	13.7	14.6	12.0	9.9	9.7	142	98	63.5
SR-083	--	3/8	21.8	23.7	15.1	15.7	15.4	155	98	63.5
SR-083S	3/8	--	27.4	29.8	17.2	19.8	19.3	146	98	63.5
SR-084	--	1/2	36.4	29.6	25.0	26.2	25.7	163	98	63.5
SR-084S	1/2	--	38.9	42.4	26.4	28.1	27.5	148	98	63.5
SR-085	5/8	--	60	67	35	42	51	146	98	63.5
SR-162	--	1/4	11	12	12.1	8	7	168.5	121.5	63.5
SR-162S	1/4	--	15	14	14	10	9	165.5	121.5	63.5
SR-163	--	3/8	22.2	24.2	14.4	16.1	15.7	178.5	121.5	63.5
SR-163S	3/8	--	31.7	34.3	16.5	22.9	22.4	169.5	121.5	63.5
SR-164	--	1/2	38.5	41.9	27.0	27.8	27.2	186.5	121.5	63.5
SR-164S	1/2	--	49.6	54.0	31.6	35.8	35.1	171.5	121.5	63.5
SR-165	--	5/8	50.5	54.9	36.2	36.4	35.7	194.5	121.5	63.5
SR-165S	5/8	--	67.2	73.1	37.6	48.5	47.5	169.5	121.5	63.5
SR-166	--	3/4	60	62	42	42	40	200.5	121.5	63.5
SR-167S	7/8	--	70.6	76.8	58.0	51.0	49.5	181.5	121.5	63.5
SR-302	--	1/4	13	15	15	11	10	232	185	76
SR-303	--	3/8	23	26	16	18	17	242	185	76
SR-303S	3/8	--	33	37	19	25	25	233	185	76
SR-304	--	1/2	43.6	47.5	30.2	31.5	30.8	250	185	76
SR-304S	1/2	--	54.3	59.1	38.0	39.2	38.4	235	185	76
SR-305	--	5/8	55.6	60.5	39.7	40.1	39.3	258	185	76
SR-305S	5/8	--	74.0	80.5	46.8	53.4	52.3	233	185	76
SR-306	--	3/4	65	67	47	47	45	264	185	76
SR-306S	3/4	--	79	85	51	58	57	239	185	76
SR-307S	7/8	--	83.4	90.8	62.9	60.2	59.0	245	185	76
SR-309S	1-1/8	--	109.1	118.7	73.1	78.7	77.1	245	185	76

SDML Liquid Line Filter Drier(Compact Beads) NEW



Danfoss type



We use 100% 3A molecular sieve core in the Filter Drier, it has strong drying capability to maximum reduce the risk of hydrolyze acid reaction, and it can with HFC refrigerant (R134a, R404A, R410A) which is used with POE & PAG oil together, it is also an non-oil consuming additive compatible with R22.

Feature

- Additives consuming no oil;
- Joint type: ODF or SAE;
- Corrosive resistance mold;
- Max working pressure: 4.7MPa/680Psig.

Part No.	Connections (in)		Liquid Flow Capacity (KW)			Dimensions (mm)			Max. Operating Pressure P B (bar)
	ODF	SEA	R134a	R404A/R507	R22/R407C/R410A	A	D	L	
SDML-032	--	1/4	7	5	7	66	43	113	46
SDML-032S	1/4	--	7	5	7	66	43	110	46
SDML-033	--	3/8	17	13	19	66	43	123	46
SDML-033S	3/8	--	17	13	19	75		114	46
SDML-052	--	1/4	7	5	8	75	54	122	46
SDML-052S	1/4	--	7	5	8	75	54	119	46
SDML-053	--	3/8	18	14	19	75	54	132	46
SDML-053S	3/8	--	18	14	19	75	54	123	46
SDML-082	--	1/4	7	5	8	101	54	148	46
SDML-082S	1/4	--	7	5	8	101	54	145	46
SDML-083	--	3/8	19	14	21	101	54	158	46
SDML-083S	3/8	--	19	14	21	101	54	149	46
SDML-084	--	1/2	26	20	29	101	54	166	46
SDML-084S	1/2	--	26	20	29	101	54	151	46
SDML-085	--	5/8	42	31	46	101	54	174	46
SDML-085S	5/8	--	42	31	46	101	54	149	46
SDML-162	--	1/4	7	5	8	110	76	157	46
SDML-162S	1/4	--	7	5	8	110	76	154	46
SDML-163	--	3/8	22	16	24	110	76	167	46
SDML-163S	3/8	--	22	16	24	110	76	158	46
SDML-164	--	1/2	30	22	33	110	76	175	46
SDML-164S	1/2	--	30	22	33	110	76	160	46
SDML-165	--	5/8	43	30	47	110	76	183	46
SDML-165S	5/8	--	43	30	47	110	76	158	46
SDML-166	--	3/4	44	31	48	110	76	189	35
SDML-166S	3/4	--	44	31	48	110	76	164	35
SDML-167S	7/8	--	44	31	48	110	76	170	35
SDML-303	--	3/8	21	15	23	186	76	243	46
SDML-303S	3/8	--	21	15	23	186	76	234	46
SDML-304	--	1/2	31	22	34	186	76	251	46
SDML-304S	1/2	--	31	22	34	186	76	236	46
SDML-305	--	5/8	45	33	49	186	76	259	46
SDML-305S	5/8	--	45	33	49	186	76	234	46
SDML-306	--	3/4	62	45	68	186	76	265	35
SDML-306S	3/4	--	62	45	68	186	76	240	35
SDML-307S	7/8	--	62	45	68	186	76	246	35
SDML-309S	1-1/8	--	62	45	68	186	76	246	30

Indication:

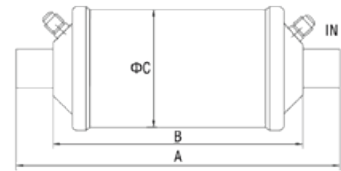
Refrigerant quantity capacity: evaporating temperature=-15°C, liquid temperature=30°C, drop pressure ΔP=0.07bar.



Suction Line Filter

Features:

- These designs come with two access valves side to provide most effective protection for compressor
- Filtration: 40um
- Appropriate temperature: -45°C~+65°C
- Maximum pressure: 3.1Mpa.

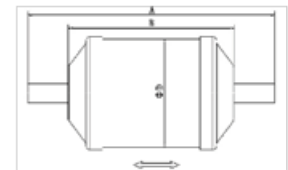
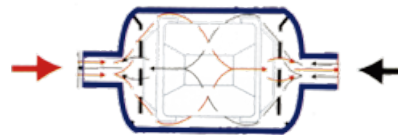


Part No.	Connrction Size(inch)	A(inch)	B(inch)	ØC(inch)
SSR-283-T	3/8	5.59	4.40	3.5
SSR-284-T	1/2	5.69	4.43	3.5
SSR-285-T	5/8	6.38	4.92	3.5
SSR-286-T	3/4	7.75	6.18	3.5
SSR-287-T	7/8	7.87	6.22	3.5
SSR-289-T	1-1/8	8.25	6.60	3.5
SSR-2811-T	1-3/8	10.81	8.84	3.5
SSR-2813-T	1-5/8	10.50	8.50	3.5

Bi-flow Filter Drier (Solid Core)



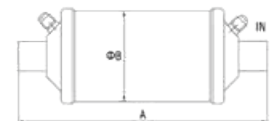
100% molecular sieve core



Part No.	Connections		Liquid Flow Capacity (KW)			Dimensions		
	ODF	SEA	R22	R410A	R407C	A	B	D
SRS-082	--	1/4	7.0	7.0	7.0	145	98	63.5
SRS-082S	1/4	--	7.0	7.0	7.0	142	98	63.5
SRS-083	--	3/8	15.8	15.8	15.5	155	98	63.5
SRS-083S	3/8	--	17.9	17.9	17.6	146	98	63.5
SRS-084	--	1/2	22.5	22.5	22.1	163	98	63.5
SRS-084S	1/2	--	23.5	23.6	23.2	148	98	63.5
SRS-085S	5/8	--	7.0	7.0	7.0	146	98	63.5
SRS-163	--	3/8	16.2	16.2	15.8	169	112	76
SRS-163S	3/8	--	18.3	18.3	17.9	160	112	76
SRS-164	--	1/2	27.0	27.0	26.7	177	112	76
SRS-164S	1/2	--	28.5	28.5	27.8	162	112	76
SRS-165	--	5/8	29.2	29.2	28.5	185	112	76
SRS-165S	5/8	--	30.6	30.6	29.9	160	112	76
SRS-307S	7/8	--	58	58	58	252	192	76

Burn-out Filter Drier (Solid Core)

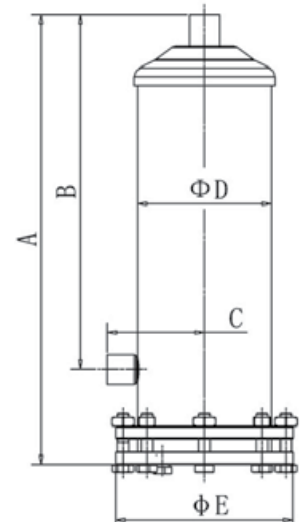
- Used on the suction pipeline of refrigeration and air-conditioning.
- 48% alumina, 47% molecule and 5% carbon filter core.
- It can absorb the acid and water in the system very efficiency and also can absorb injurant that burnt by the compressor.



Part No.	Connection Size(inch)	A(mm)(±2)	ØB(mm)(±0.5)	Refrigeration Vapacity(KM)		
				R407C	R134a	R404A
SRE-032	1/4	110	46	4	3	3
SRE-082	1/4	130	64	6	3.5	4
SRE-083	3/8	130	64	6	3.5	4.5
SRE-084	1/2	130	64	10	5.5	8
SRE-162	1/4	158	78	10.5	5	7.5
SRE-163	3/8	158	78	13	5.5	8
SRE-164	1/2	158	78	15	6	8.5
SRE-165	5/8	164	78	20	9.5	13
SRE-304	1/2	230	78	17	10	15
SRE-305	5/8	238	78	18	12.5	15
SRE-306	3/4	238	78	22	14	19

Demountable Filter Drier Shell

- Can match with all brands of 48 series cores;
- Has access port that can check the pressure drop & changing;
- Whole range Size, Max. connection is 3-1/8";
- Can choose D-48 or H-48 for liquid line;
- Can choose F-48 or X-48 for suction line.

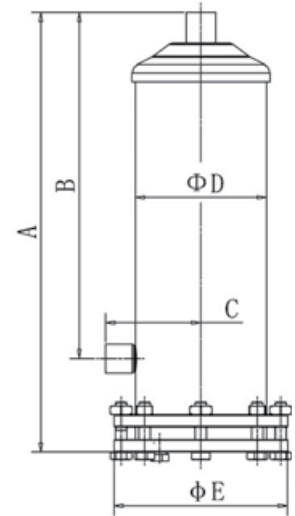


Part No.	Inlet & Outlet Size	Number of cores	Recommended value(kw)					Dimensions(mm)				
			Cooling			Air-conditioning		A	B	C	D	E
			Commercial Refrigeration and low-temperature equipment			System of replace or Assemble in the spot						
			12/134a	22	404A/502 & 507	12/134a	22					
RSPA-485	5/8	1	26.4	35.2	26.4	26.4	35.2	233	152	78	114	151
RSPA-487	7/8	1	42.2	52.8	35.2	42.2	52.8	238	157	82	114	151
RSPA-489	1-1/8	1	42.2	52.8	35.2	52.8	70.3	240	159	84	114	151
RSPA-4811	1-3/8	1	42.2	52.8	35.2	52.8	70.3	243	162	87	114	151
RSPA-4813	1-5/8	1	47.8	58.2	42.2	56.3	74.6	245	164	88	114	151
RSPA-4817	2-1/8	1	49.3	64.9	47.1	60.2	78.5	251	170	92	114	151
RSPA-4821	2-5/8	1	52.7	67.3	49.7	63.3	80.2	268	170	116	114	151
RSPA-4824	3	1	55.4	70.2	56.9	66.1	83.4	266	168	116	114	151
RSPA-4825	3-1/8	1	58.2	73.4	62.2	69.5	89.7	263	165	116	114	151
RSPA-967	7/8	2	70.3	87.9	52.8	70.3	87.9	383	301	82	114	151
RSPA-969	1-1/8	2	87.9	128	87.9	87.9	123	385	303	84	114	151
RSPA-9611	1-3/3	2	111.5	152	111.1	111.1	155	388	306	87	114	151
RSPA-9613	1-5/8	2	132.1	194	134.5	134.5	190	390	308	88	114	151
RSPA-9617	2-1/8	2	135.1	203	157	156	208	396	314	92	114	151
RSPA-9621	2-5/8	2	157	220	191	173	232	413	315	116	114	151
RSPA-9624	3	2	181	240	210	193	257	411	313	116	114	151
RSPA-9625	3-1/8	2	206	263	231	225	270	408	310	116	114	151
RSPA-1449	1-1/8	3	106	141	106	106	141	521	438	84	114	151
RSPA-14411	1-3/8	3	141	176	123	141	176	524	441	87	114	151
RSPA-14413	1-5/8	3	183	205	134	173	206	526	443	88	114	151
RSPA-14417	2-1/8	3	224	236	156	205	247	532	449	92	114	151
RSPA-14421	2-5/8	3	243	257	182	216	264	550	452	116	114	151
RSPA-14424	3	3	257	269	193	231	286	548	450	116	114	151
RSPA-14425	3-1/8	3	263	279	214	243	291	545	447	116	114	151
RSPA-19211	1-3/8	4	176	246	176	176	246	675	595	87	114	151
RSPA-19213	1-5/8	4	211	281	193	211	287	677	597	88	114	151
RSPA-19217	2-1/8	4	229	299	211	229	299	683	603	92	114	151
RSPA-19221	2-5/8	4	243	243	232	241	325	700	602	116	114	151
RSPA-19224	3	4	257	257	248	267	347	698	600	116	114	151
RSPA-19225	3-1/8	4	263	263	269	283	351	695	594	116	114	151



Demountable Filter Drier Shell

- Can match with all brands of 100 series cores.
- Has access port that can check the pressure drop & changing
- Whole range Size, Max. connection is 5-1/4".
- Can choose D-100 or H-100 for liquid line.
- Can choose F-100 or X-100 for suction line.

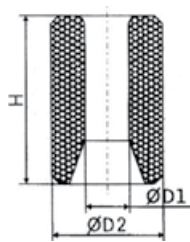


Part No.	Inlet & Outlet Size	Number of cores	Recommended value(kw)				Dimensions(mm)					
			Cooling		Air-conditioning		A	B	C	D	E	
			Commerial Refrigeration and low-temperature equipment		System of replace or Assemble in the spot							
			12/134a	22	404A/502 & 507	12/134a						22
RSPA-10013	1-5/8	1	67	98	59	63	106	288	180	106	152	200
RSPA-10017	2-1/8	1	74	121	65	69	121	295	187	111	152	200
RSPA-10021	2-5/8	1	82	145	72	75	139	303	195	136	152	200
RSPA-10024	3	1	95	164	84	88	156	301	188	136	152	200
RSPA-10025	3-1/8	1	102	173	91	98	170	300	187	136	152	200
RSPA-20013	1-5/8	2	113	195	103	114	191	453	345	106	152	200
RSPA-20017	2-1/8	2	128	209	112	132	207	460	352	111	152	200
RSPA-20021	2-5/8	2	145	236	138	147	230	468	360	136	152	200
RSPA-20024	3	2	162	251	153	165	243	466	353	136	152	200
RSPA-20025	3-1/8	2	179	266	171	180	264	465	352	136	152	200
RSPA-20028	3-1/2	2	193	282	186	193	280	464	341	136	152	200
RSPA-20029	3-5/8	2	219	308	205	205	301	463	340	136	152	200
RSPA-20034	4-1/4	2	242	329	221	221	323	467	344	136	152	200
RSPA-30013	1-5/8	3	264	352	246	264	352	612	504	106	152	200
RSPA-30017	2-1/8	3	285	367	267	279	374	618	504	111	152	200
RSPA-30021	2-5/8	3	302	385	285	285	391	627	519	136	152	200
RSPA-30024	3	3	315	399	292	296	404	625	512	136	152	200
RSPA-30025	3-1/8	3	329	413	299	307	417	624	511	136	152	200
RSPA-30028	3-1/2	3	336	422	305	317	423	623	500	136	152	200
RSPA-30029	3-5/8	3	343	431	310	324	429	622	499	136	152	200
RSPA-30034	4-1/4	3	369	457	324	335	441	626	503	136	152	200
RSPA-30042	5-1/4	3	391	481	359	362	476	615	467	136	152	200
RSPA-40013	1-5/8	4	351	426	321	352	424	786	678	106	152	200
RSPA-40017	2-1/8	4	387	457	352	387	457	792	684	111	152	200
RSPA-40021	2-5/8	4	401	480	370	401	492	801	693	136	152	200
RSPA-40024	3	4	415	503	388	415	527	799	686	136	152	200
RSPA-40025	3-1/8	4	438	526	409	436	558	798	685	136	152	200
RSPA-40028	3-1/2	4	461	559	433	462	579	797	674	136	152	200
RSPA-40029	3-5/8	4	485	573	457	491	593	796	673	136	152	200
RSPA-40034	4-1/4	4	507	591	482	512	617	800	677	136	152	200
RSPA-40042	5-1/4	4	529	615	504	536	633	789	641	136	152	200

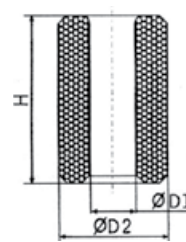
Replaceable Liquid Line Filter Blocks and Suction Line Filter Core



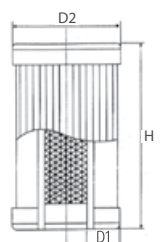
DR-48/HR-48



H-100



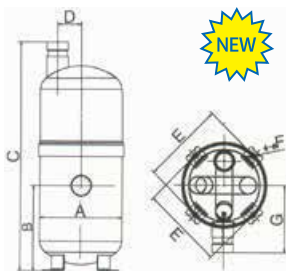
X-100



Part No.	Danfoss Model	Emerson Model	Description	D1 (in)	D2 (in)	H (in)
DR-48	48DN/DC	D-48	80% Molecular Sieve 20% Activated Aluminium Oxide, High Acid Removal	1.85	3.78	5.51
HR-48	48DU/DM	H-48	100% Molecular Sieve, High water Removal	1.85	3.78	5.51
W-48	48DA	W-48-HH	48% Molecular Sieve, 47% Activated Aluminium Oxide, 5% Activated Carbon, Burnout Clean	1.85	3.78	5.51
HR-100	--	H-100	100% Molecular Sieve, High Water Removal	2.09	4.80	6.50
X-48	48F	F-48R	Filter for Suction Line, Reverse Flow	0.79	3.74	5.51
X-100	--	F-100R	Filter for Suction Line, Reverse Flow	1.10	4.69	6.54
SF-48	--	--	Stainless Steel Filter for Suction Line, Could be Used Repeatedly After Cleaning	0.79	3.74	5.51
SF-100	--	--	Stainless Steel Filter for Suction Line, Could be Used Repeatedly After Cleaning	1.10	4.69	6.54
CU-48	--	--	Stainless Steel Filter for Oil System	0.79	3.74	5.51
CU-100	--	--	Stainless Steel Filter for Oil System	1.10	4.69	6.54

RSPQ Duplex Accumulator

Character:* Suitable for all kinds of refrigeration condensing units.
* 100% prevent liquid-strike to compressor.



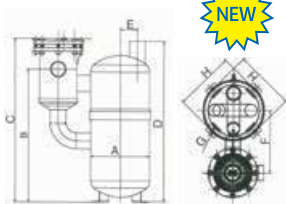
RSPQ-9012SC



Duplex Accumulator

- Model: RSPQ-9013SC • Working Pressure : 3.2Mpa
- Capacity : 9.0L • Connection: 42mm • For use with R22/R134a/R404a/R407c/R502/R507

Part No.	Connection size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
RSPQ-4409SC	28	140	135	393	42	140	10	110
RSPQ-7611SC	35	165	165	462	48	165	10	128
RSPQ-9013SC	42	180	185	492	52	180	10	140
RSPQ-18017SC	54	219	205	592	60	190	10	160
RSPQ-21017SC	54	273	195	550	65	194	10	186
RSPQ-34021SC	67	273	270	755	65	194	10	200

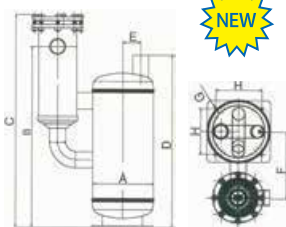


RSPQ-9013SC-1



Duplex Accumulator with filter drier

- Model: RSPQ-9013SC-1 • Working Pressure : 3.2Mpa
- Capacity : 9.0L • Connection: 42mm • For use with R22/R134a/R404a/R407c/R502/R507



RSPQ-9013SC-2



Duplex Accumulator with duplicate filter drier

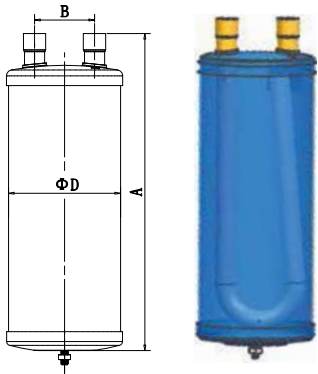
- Model: RSPQ-9013SC-2 • Working Pressure : 3.2Mpa
- Capacity : 9.0L • Connection: 42mm • For use with R22/R134a/R404a/R407c/R502/R507

Part No.	Connection size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
RSPQ-4409SC-1	28	140	342	430	388	42	170	10	140
RSPQ-7611SC-1	35	165	366	455	462	48	177	10	165
RSPQ-9013SC-1	42	180	407	495	487	52	190	10	180
RSPQ-18017SC-1	54	219	452	539	592	60	215	10	190
RSPQ-21017SC-1	54	273	442	529	550	65	235	10	194
RSPQ-34021SC-1	67	273	516	616	755	65	240	10	194
RSPQ-9013SC-2	42	180	551	639	487	52	190	10	180
RSPQ-18017SC-2	54	219	598	684	592	60	215	10	190
RSPQ-21017SC-2	54	273	588	674	550	65	235	10	194
RSPQ-34021SC-2	67	273	661	761	755	65	240	10	194

Suction Line Accumulator



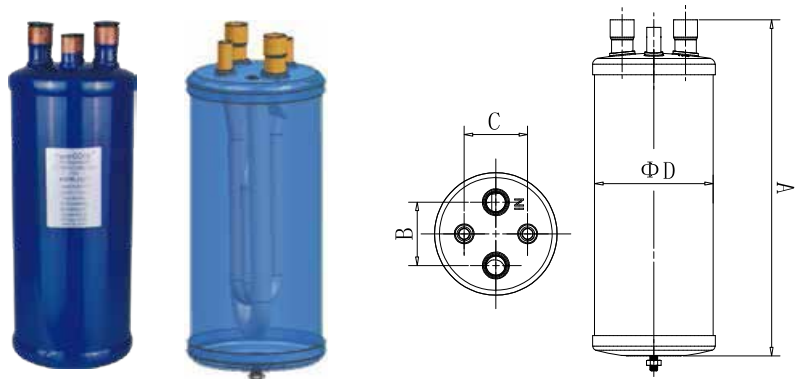
In circulatory system, the refrigerant must be convert became gas before returning to compressor. So it has to separate gas and liquid before the refrigerant enters into the compressor. And let the gas refrigerant enters into the compressor will not cause strike. The liquid refrigerant evaporate slowly in the vessel, then enter the compessor after evaporation. In order to make the residual refrigerant oil come back to compressor, there is a hole in the bottom of tube in Accumulator which may let the oil come back. When the residual refrigerant in the system come into Accumulator, it will go back to compressor with gas refrigerant. Because of the protection from Accumulator, The life time of compressor can be longer and the circulatory system can run better.



Part No.	Volume(L)	Inlet & Outlet	A(mm)	B(mm)	D(mm)	Normal Capacity(KW)@-18°C vaporize temp.		
						R22	R134a	R404A
RSPQ-204	1.5	1/2	254	52	102	3.2	2.17	2.8
RSPQ-205	1.8	5/8	294	52	102	4.9	2.8	4.2
RSPQ-206	3.8	3/4	316	75	140	6.3	3.2	5.3
RSPQ-207	4.3	7/8	356	75	140	11.6	6.3	9.5
RSPQ-208	7.3	1-1/8	450	85	159	18.9	10.9	15.5
RSPQ-209	9.6	1-3/8	574	85	159	29.9	16.2	25.3
RSPQ-210	10.4	1-5/8	624	85	159	45.0	25.7	37.6
RSPQ-595	2.4	5/8	257	70	127	5.1	2.7	4.5
RSPQ-596	2.4	3/4	257	70	127	6.3	3.2	5.3
RSPQ-597	2.4	7/8	262	70	127	11.6	6.3	9.5
RSPQ-5126	3.3	3/4	332	70	127	6.3	3.2	5.3
RSPQ-5127	3.3	7/8	337	70	127	11.6	6.3	9.5
RSPQ-5137	3.5	7/8	358	70	127	11.6	6.3	9.5
RSPQ-5139	3.5	1-1/8	363	70	127	18.9	10.9	15.5
RSPQ-5179	4.7	1-1/8	465	70	127	18.9	10.9	15.5
RSPQ-51711	4.7	1-3/8	465	70	127	29.9	16.2	25.3
RSPQ-61411	6.0	1-3/8	390	85	159	29.9	16.2	25.3
RSPQ-62013	8.8	1-5/8	548	85	159	45.0	25.7	37.6

Suction Accumulators with Heat Exchanger

RSPR Series suction accumulators with heat exchanger are particularly recommended for installations with a low overheating of refrigerant vapours at compressor suction (liquid cooler, low temperature display cabinets, vehicle refrigerating, etc...) and recommended for installations where the suction line accumulator is positioned outside (in this case, the exchanger allows a faster re-evaporation of the liquid). The heat exchanger allows the increase of the refrigerant's refrigerating effect, by high pressure liquid sub-refrigerating, upstream of the pressure relief valve; it therefore prevents the risks of gas presence at the intake of the pressure relief valve.



Part No.	Volume(L)	Suction Line ODF(inch)	Liquid Line ODF(inch)	A(mm)	B(mm)	C(mm)	D(mm)	Normal Capacity(KW)@-18°C vaporize temp.		
								R22	R134a	R404A
RSPR-2404	1.5	1/2	3/8	254	52	52	102	3.2	2.17	2.8
RSPR-2405	1.8	5/8	3/8	294	52	52	102	4.9	2.8	4.2
RSPR-2406	3.8	3/4	1/2	316	75	75	140	6.3	3.2	5.3
RSPR-2407	4.3	7/8	1/2	356	75	75	140	11.6	6.3	9.5
RSPR-2411	7.3	1-1/8	5/8	450	85	85	159	18.9	10.9	15.5
RSPR-2413	9.6	1-3/8	3/4	574	85	85	159	29.9	16.2	25.3
RSPR-2415	10.4	1-5/8	7/8	624	85	85	159	41.0	24.1	32.6
RSPR-2417	10.4	2-1/8	7/8	629	85	85	159	49.6	35.4	42.8

Oil Separators



Part No.	Connection Size(in)	A(mm)	B(mm)	C(mm)
RSPW-55833	3/8	102	279	48
RSPW-55824	1/2	102	279	48
RSPW-55855	5/8	102	378	48
RSPW-55877	7/8	102	460	48
RSPW-55889	1-1/8	102	494	48
RSPW-559011	1-3/8	102	524	48
RSPW-569011	1-3/8	159	394	75
RSPW-569213	1-5/8	159	480	75
RSPW-569417	2-1/8	159	485	75

Demountable Oil Separators



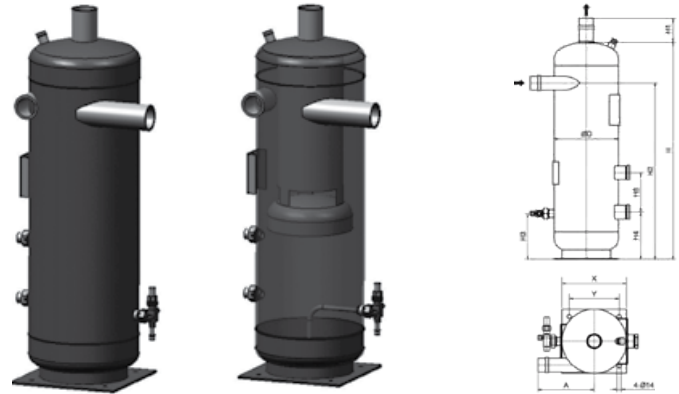
Part No.	Connection Size(in)	A(mm)	B(mm)	C(mm)
RSPW-5301	1/2	102	275	48
RSPW-5302	5/8	102	370	48
RSPW-5303	7/8	102	455	48
RSPW-5304	1-1/8	102	490	48
RSPW-5305	1-3/8	102	520	48
RSPW-5306	1-5/8	102	525	48
RSPW-6303	1-3/8	159	404	75
RSPW-6304	1-5/8	159	490	75
RSPW-6305	2-1/8	159	495	75

Oil Storage Separators



SRW series oil storage separator is used on parallel screw compressor.

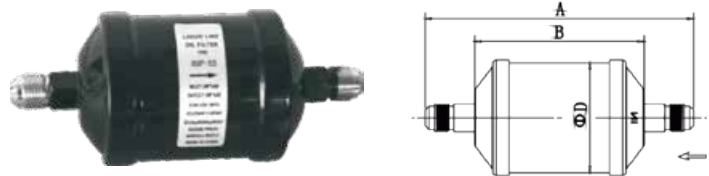
- With oil receiver inside, do not need to add a separated oil separator.
- It saved a lot of time and material, also reduced the leaking problem.
- It can help to reduce the vibration and noise that caused by compressor.
- It needs to add the electronic oil level regulator to replace the valves.
- Max. working pressure: 3.0MPa.
- Good efficiency oil separation.
- Compatible with all CFC, HCFC and HFC refrigerants and oils.
- Working temperature range:-40°C~120°C.



Part No.	JointSize (Inch)	ØD (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	A (mm)	X (mm)	Y (mm)	Oil Outlet (SEA)	V1 Oil Volume(L)	V2 Oil Volume(L)	Total Volume(L)
SRW-0813L	1-5/8"	219	744	82	604	157	162	135	191	219	165	3/8"	4.4	9.0	24
SRW-1017L	2-1/8"	273	850	87	691	169	189	150	223	273	227	1/2"	8.1	16.0	42
SRW-1221L	2-5/8"	325	950	95	750	184	204	150	258	325	280	1/2"	12.0	23.0	66
SRW-1425L	3-1/8"	377	1034	110	823	215	234	150	280	377	320	5/8"	18.5	34.0	97
SRW-1629L	3-5/8"	412	1135	100	903	209	229	150	318	412	336	5/8"	22.0	41.0	131

Oil Filter

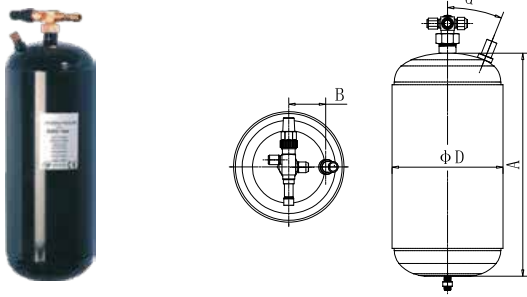
G series oil filter can filtrate 99% of 3 microm grain but still have enough flow rate to maintain the low pressure drop.
G series oil filter has a very high capacity of filtration.
It can return the cleanness POE oil and mineral oil back to the compressor.



Part No.	Connection Size		Liquid Refrigeration Volume (kw)				A (mm)	B (mm)	C (mm)
	ODF	SAE	R134a	R22	R404a	R502			
G-053	--	3/8	21.4	23.3	15.4	15.1	129	72	63.5
G-053S	3/8	--	26.5	28.9	19.1	18.7	120	72	63.5
G-054S	1/2	--	27.4	29.8	19.8	19.3	122	72	63.5
G-083	--	3/8	21.8	23.7	15.7	15.4	155	98	63.5
G-083S	3/8	--	27.4	29.8	19.8	19.3	146	98	63.5
G-084	--	1/2	21.8	23.7	15.7	15.4	163	98	63.5
G-084S	1/2	--	27.4	29.8	19.8	19.3	148	98	63.5
G-085	--	5/8	27.4	29.8	19.8	19.3	146	98	63.5

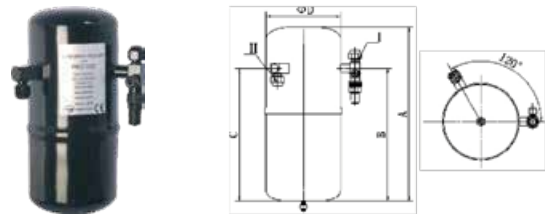


Vertical Receiver

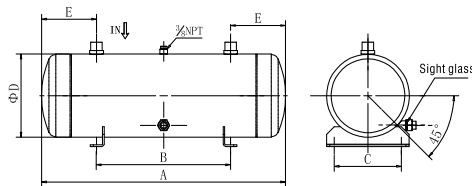


Part No.	Volume(L)	ODF	A(mm)	B(mm)	D(mm)	°C
RSPC-133	1.1	3/8	170	35	102	18.2°
RSPC-166	1.6	3/8	192	40	114	22.3°
RSPC-233	2	3/8	185	42	127	20°
RSPC-333	3	3/8	293	42	127	20°
RSPC-433	4	3/8	238	55	165	21°
RSPC-644	6	1/2	332	55	165	21°
RSPC-844	8	1/2	432	55	165	21°
RSPC-855	8	5/8	432	55	165	21°
RSPC-1055	10	5/8	322	75	219	17°
RSPC-1255	12	5/8	380	75	219	17°
RSPC-1455	14	5/8	435	75	219	17°
RSPC-1466	14	3/4	435	75	219	17°
RSPC-1677	16	7/8	492	75	219	17°
RSPC-1877	18	7/8	549	75	219	17°
RSPC-2077	20	7/8	606	75	219	17°

Part No.	Volume(L)	ODF	A(mm)	B(mm)	D(mm)
RSPC-101J	1.0	3/8	200	132	89
RSPC-102J	2.9	3/8	258	181	127
RSPC-103J	3.2	3/8	290	203	127
RSPC-104J	6.2	1/2	348	257	165
RSPC-105J	7.5	5/8	414	320	165
RSPC-106J	11.2	3/4	600	495	165
RSPC-107J	13.2	7/8	700	585	165

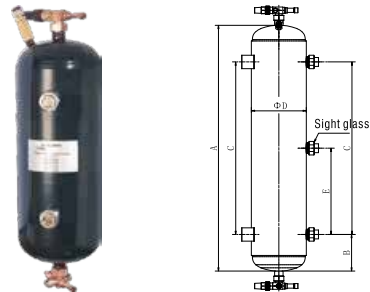


Horizontal Receiver



Part No.	Volume(L)	SAE	A(mm)	B(mm)	C(mm)	D(mm)
RSPC-101	1.1	1/4, 3/8	218	136	136	89
RSPC-102	2.9	3/8, 3/8	245	160	160	130
RSPC-103	3.5	3/8, 3/8	298	208	208	130
RSPC-104	6.0	1/2, 1/2	360	275	275	152
RSPC-105	9.6	5/8, 5/8	412	275	322	180

Vertical Receiver



Part No.	Inlet & Outlet	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
30L	1-1/8	900	600	190	219	150
35L	1-1/8	1000	700	190	219	150
40L	1-3/8	800	440	220	273	180
45L	1-3/8	900	540	220	273	180
50L	1-5/8	1000	640	220	273	180
55L	1-5/8	1100	740	220	273	180
60L	2-1/8	1200	840	220	273	180

Part No.	Volume(L)	Inlet & Outlet	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
RSPOR-6	6	3/8	338	94	150	165	--
RSPOR-8	8	3/8	438	109	220	165	--
RSPOR-10	10	3/8	548	131	285	165	--
RSPOR-12	12	3/8	638	139	360	165	--
RSPOR-14	14	1/2	738	110	518	165	259
RSPOR-19	19	1/2	580	140	300	219	--
RSPOR-23	23	5/8	700	140	420	219	210

USA PARTS

HVAC & REFRIGERATION

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