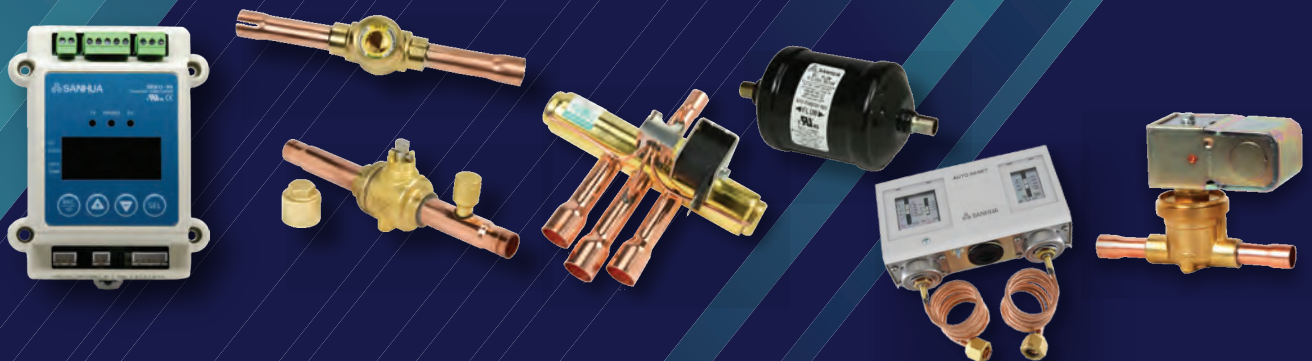




WHOLESALE Product Catalog



SANHUAUSA.COM



STRONG GLOBAL PRESENCE WITH A PERSONAL APPROACH

Sanhua designs and manufactures high quality wholesale products for HVAC & R. As the largest producer of Service Valves, Reversing Valves, Electronic Expansion Valves and Micro-channel (HVACR) in the world, Sanhua is recognized by leaders in the HVAC & R and automotive industries for providing products at world-class quality levels. Sanhua is strong with leading OEM manufacturers and high-quality. Sanhua was established in China in 1984 and the USA subsidiary was founded in 2002.

The wholesale catalog highlights our wide array of HVAC & R components and has like-for-like replacement parts. Find high quality filter-drier shells, suction line filter driers, TXVs, and other HVAC & R parts available for order.

With 22 international sales offices and 14 manufacturing locations, Sanhua delivers environmentally friendly and energy efficient solutions to the HVACR industry.

When you're ready to place your order, contact the Sanhua Sales team at 1(866)270 6559.

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Filter-Drier Shells with Replaceable Core



Effective and Efficient: Filters solid particles, absorbs moisture and removes acid

Filter-drier shells with replaceable cores are designed for big system protection. The large capacity models are ideal for new system startups to remove moisture and solid particle contamination from field piping. The replaceable core design also simplifies continued system protection and preventive maintenance initiatives.



FILTER-DRIER SHELL, LIQUID CAPACITY

Aftermarket Model	Liquid Capacity (tons) ¹								Conn. Solder (inch)
	R-404A/R-507	R-448A/R-449A	R-407A	R-134a	R-450a	R-22	R-410A		
FDSH-48-5-S	13.2	17.2	17.1	17.9	16.6	19.2	19.0		5/8 ODF
FDSH-48-7-S	21.2	27.6	27.5	28.8	26.7	30.8	30.5		7/8 ODF
FDSH-48-9-S	30.2	39.4	39.3	41.1	38.1	44.0	43.5		1-1/8 ODF
FDSH-48-11-S	40.8	53.2	53.0	55.5	51.4	59.5	58.8		1-3/8 ODF
FDSH-96-7-S	21.2	27.6	27.5	28.8	26.7	30.8	30.5		7/8 ODF
FDSH-96-9-S	30.2	39.4	39.3	41.1	38.1	44.0	43.5		1-1/8 ODF
FDSH-96-11-S	40.8	53.2	53.0	55.5	51.4	59.5	58.8		1-3/8 ODF
FDSH-96-13-S	50.1	65.3	65.1	68.2	63.1	73.0	72.2		1-5/8 ODF
FDSH-144-9-S	30.2	39.4	39.3	41.1	38.1	44.0	43.5		1-1/8 ODF
FDSH-144-11-S	40.8	53.2	53.0	55.5	51.4	59.5	58.8		1-3/8 ODF
FDSH-192-11-S	40.8	53.2	53.0	55.5	51.4	59.5	58.8		1-3/8 ODF
FDSH-192-13-S	50.1	65.3	65.1	68.2	63.1	73.0	72.2		1-5/8 ODF
FDSH-192-17-S	71.3	92.9	92.6	97.0	89.8	104	103		2-1/8 ODF

Note: 1. Rated in accordance with AHRI Standard 710 (I-P): 5°F Evaporator Temperature, 86°F Liquid Temperature, 1psi Pressure Drop.

FILTER-DRIER SHELL, SUCTION CAPACITY

Suction Capacity (tons) ²													Conn. Solder (inch)
Refrigerant	R-404A		R-448A		R-407A		R-134a	R-450A	R-22			R-410A	
Evap. Temp.	20°F	-20°F	20°F	-20°F	20°F	-20°F	20°F	20°F	40°F	20°F	-20°F	40°F	
Press. Drop (psi)	2.0	1.0	2.0	1.0	2.0	1.0	1.5	1.5	3.0	2.0	1.0	3.0	
FDSH-48-5-S	2.18	0.93	2.35	1.01	2.30	0.98	1.69	1.52	3.87	2.47	1.11	4.81	5/8 ODF
FDSH-48-7-S	3.49	1.50	3.77	1.62	3.68	1.57	2.71	2.44	6.21	3.96	1.79	7.72	7/8 ODF
FDSH-48-9-S	5.74	2.47	6.20	2.68	6.06	2.59	4.46	4.01	10.2	6.51	2.95	12.68	1-1/8 ODF
FDSH-48-11-S	7.90	3.39	8.53	3.67	8.34	3.56	6.14	5.53	14.0	8.96	4.04	17.40	1-3/8 ODF
FDSH-96-7-S	3.72	1.60	4.02	1.73	3.93	1.68	2.89	2.60	6.61	4.22	1.91	8.22	7/8 ODF
FDSH-96-9-S	6.10	2.62	6.59	2.84	6.44	2.75	4.74	4.27	10.8	6.92	3.13	13.42	1-1/8 ODF
FDSH-96-11-S	8.41	3.61	9.08	3.91	8.87	3.79	6.53	5.88	14.9	9.54	4.31	18.52	1-3/8 ODF
FDSH-96-13-S	10.3	4.43	11.12	4.80	10.87	4.65	8.00	7.20	18.3	11.69	5.28	22.75	1-5/8 ODF
FDSH-144-9-S	6.31	2.71	6.81	2.93	6.66	2.84	4.90	4.41	11.2	7.16	3.23	13.92	1-1/8 ODF
FDSH-144-11-S	8.72	3.75	9.42	4.06	9.20	3.93	6.77	6.09	15.5	9.89	4.47	19.27	1-3/8 ODF
FDSH-192-11-S	9.23	3.97	9.97	4.30	9.74	4.16	7.17	6.45	16.4	10.47	4.74	20.38	1-3/8 ODF
FDSH-192-13-S	11.3	4.89	12.20	5.30	11.92	5.13	8.85	7.97	20.2	12.82	5.83	25.11	1-5/8 ODF
FDSH-192-17-S	13.8	5.93	14.90	6.42	14.56	6.22	10.7	9.63	24.5	15.66	7.07	30.45	2-1/8 ODF

Note: 1. Rated in accordance with AHRI Standard 710 (I-P): 5°F Evaporator Temperature, 86°F Liquid Temperature, 1psi Pressure Drop.

FDSH 48 5 S

S = Sweat Connections
 Connection Size in eighths of an inch
 Internal Volume in cubic inches
 Type: Filter-Drier Shell

FD CORES AND ELEMENT

Aftermarket Model	Description	Filter Media
FD Core 48AP	Standard Multi-purpose	80% Molecular Sieve 20% Activated Alumina
FD Core 48Hi	High Moisture	100% Molecular Sieve
FD Filter 48	Filter Element	pure Wood Pulp Filter Paper

REFRIGERANT
 R-22, R-134a, R-404A,
 R-407C, R-410A, R-507

LARGE TEMP SERVICE RANGE
 -40°F to +248°F

FILTRATION
 20 pm
OPD MAX
 580 psig

PS
 650 psig

Sealed Model Filter-Drier

GO WITH THE FLOW

Sanhua Filter-Drier molded cores are engineered with a blend of desiccants to protect systems against moisture and acid. The core is secured in place with fiberglass pads on both ends and a 100 mesh metal support screen at the outlet. The pads and core together provide a large available filtering area to remove solid particle contamination to an extremely low level of 20 microns. Sanhua Filter-Driers are compatible with all common HCFC and HFC refrigerants and are UL Listed to a maximum operating pressure of 700 psig.

Sealed Model FD Nomenclature

FD 16 3 S

S = Sweat Connections (Omit for SAE Flare Connections)
 Connection Size in eighths of an inch
 Desiccant volume in cubic inches
 Type: Filter-Drier

**80% Molecular Sieve
 20% Activated Alumina**

**500 Hour Salt Spray
 Corrosion Resistance**

Sealed Model Filter-Drier | Molded Core

SOLDER CONNECTION

Aftermarket Model	Liquid Capacity (tons) ¹								Conn. Solder (inch)
	R-404A/ R-507	R-448A/ R-449A	R-290	R-407A	R-134a	R-450a	R-22	R-410A	
FD-022-S	1.1	1.4	0.7	1.4	1.5	1.4	1.6	1.6	1/4 ODF
FD-023-S	2.4	3.1	1.1	3.1	3.3	3.0	3.5	3.5	3/8 ODF
FD-032-S	1.1	1.4	1.9	1.4	1.5	1.4	1.6	1.6	1/4 ODF
FD-033-S	2.4	3.1	4.0	3.1	3.3	3.0	3.5	3.5	3/8 ODF
FD-052-S	1.3	1.7	2.2	1.7	1.8	1.6	1.9	1.9	1/4 ODF
FD-053-S	3.5	4.6	6.0	4.5	4.8	4.4	5.1	5.0	3/8 ODF
FD-082-S	1.3	1.7	2.2	1.7	1.8	1.6	1.9	1.9	1/4 ODF
FD-083-S	3.8	4.9	6.4	4.9	5.2	4.8	5.5	5.5	3/8 ODF
FD-084-S	5.5	7.2	9.0	7.1	7.5	6.9	8.0	7.9	1/2 ODF
FD-163-S	3.9	5.1	6.4	5.1	5.3	4.9	5.7	5.6	3/8 ODF
FD-164-S	5.7	7.4	9.3	7.4	7.8	7.2	8.3	8.2	1/2 ODF
FD-165-S	7.9	10.3	13.3	10.3	10.7	10.0	11.5	11.4	5/8 ODF
FD-166-S	8.4	10.9	13.7	10.9	11.4	10.6	12.2	12.1	3/4 ODF
FD-167-S	8.6	11.2	14.0	11.2	11.7	10.8	12.5	12.4	7/8 ODF
FD-303-S	3.9	5.1	6.4	5.1	5.3	4.9	5.7	5.6	3/8 ODF
FD-304-S	5.8	7.6	9.6	7.5	7.9	7.3	8.4	8.4	1/2 ODF
FD-305-S	8.3	10.8	13.5	10.8	11.3	10.5	12.1	12.0	5/8 ODF
FD-306-S	11.4	14.8	18.7	14.8	15.5	14.4	16.6	16.4	3/4 ODF
FD-307-S	11.5	15.0	18.9	14.9	15.6	14.5	16.7	16.6	7/8 ODF
FD-309-S	13.5	17.6	22.4	17.5	18.4	17.0	19.7	19.4	1-1/8 ODF
FD-414-S	6.4	8.3	10.5	8.3	8.7	8.1	9.3	9.2	1/2 ODF
FD-415-S	10.9	14.2	18.2	14.2	14.8	13.7	15.9	15.7	5/8 ODF
FD-417-S	14.2	18.5	23.5	18.4	19.3	17.9	20.7	20.5	7/8 ODF
FD-419-S	15.3	19.9	25.3	19.9	20.8	19.3	22.3	22.0	1-1/8 ODF
FD-757-S	15.8	20.6	26.2	20.5	21.5	19.9	23.0	22.8	7/8 ODF
FD-759-S	16.6	21.6	27.4	21.6	22.6	20.9	24.2	23.9	1-1/8 ODF

SAE FLARE CONNECTION

Aftermarket Model	Liquid Capacity (tons) ¹							Conn. Flare (inch)
	R-404A/ R-507	R-448A/ R-449A	R-407A	R-134a	R-450a	R-22	R-410A	
FD-032	1.1	1.4	1.4	1.5	1.4	1.6	1.6	1/4 SAE
FD-052	1.3	1.7	1.7	1.8	1.6	1.9	1.9	1/4 SAE
FD-053	3.3	4.3	4.3	4.5	4.2	4.8	4.8	3/8 SAE
FD-082	1.3	1.7	1.7	1.8	1.6	1.9	1.9	1/4 SAE
FD-083	3.6	4.7	4.7	4.9	4.5	5.2	5.2	3/8 SAE
FD-162	1.3	1.7	1.7	1.8	1.6	1.9	1.9	1/4 SAE
FD-163	3.7	4.8	4.8	5.0	4.7	5.4	5.3	3/8 SAE
FD-164	5.5	7.2	7.1	7.5	6.9	8.0	7.9	1/2 SAE
FD-165	7.7	10.0	10.0	10.5	9.7	11.2	11.1	5/8 SAE
FD-303	3.7	4.8	4.8	5.0	4.7	5.4	5.3	3/8 SAE
FD-304	5.6	7.3	7.3	7.6	7.1	8.2	8.1	1/2 SAE
FD-305	8.1	10.5	10.5	11.0	10.2	11.8	11.7	5/8 SAE
FD-414	6.2	8.1	8.1	8.4	7.8	9.0	8.9	1/2 SAE
FD-415	10.5	13.7	13.6	14.3	13.2	15.3	15.1	5/8 SAE

REFRIGERANT

R-22, R-134a, R-290,
 R-404A, R-407C,
 R-410A, R-507

**LARGE TEMP
 SERVICE RANGE**
 -22°F to +275°F

OPD MAX
 580 psig

PS
 650 psig

Note:

1. Rated in accordance with AHRI Standard 710 (I-P):
 5°F Evaporator temperature, 86°F Liquid temperature,
 1 psi Pressure Drop



Stops Contaminants, Moisture & Acid



System protector for optimum performance & efficiency



Effective & Efficient: Filters solid particles, adsorbs moisture and removes acid



Corrosion resistant



UL Listed



Bi-Flow Filter-Drier | Solid Filter Core

SOLDER CONNECTION



Aftermarket Model	Capacity (tons) ¹⁾					Connection Solder (inch)
	R-134a	R-404A/R-507	R-22	R-407C	R-410A	
FDBI-083-S	4.2	3.1	4.5	4.5	4.5	3/8 ODF
FDBI-084-S	6.4	4.7	6.8	6.8	6.8	1/2 ODF
FDBI-163-S	4.8	3.5	5.1	5.1	5.0	3/8 ODF
FDBI-164-S	7.5	5.5	8.0	8.0	7.9	1/2 ODF
FDBI-165-S	8.4	6.2	9.0	9.0	8.9	5/8 ODF
FDBI-303-S	6.1	4.5	6.6	6.5	6.5	3/8 ODF
FDBI-304-S	7.6	5.6	8.2	8.2	8.1	1/2 ODF
FDBI-305-S	8.8	6.5	9.5	9.4	9.4	5/8 ODF

Bi-Flow FD Nomenclature

FDBI 16 3 S

S = Sweat Connections
(Omit for SAE Flare Conn.)

Connection Size
in eighths of an inch

Desiccant volume in
cubic inches

Type:
Filter-Drier Bi-Flow

SAE FLARE CONNECTION



Aftermarket Model	Capacity (tons) ¹⁾					Connection Solder (inch)
	R-134a	R-404A/R-507	R-22	R-407C	R-410A	
FDBI-083	4.1	3.0	4.4	4.4	4.3	3/8 SAE
FDBI-084	6.3	4.6	6.7	6.7	6.6	1/2 SAE
FDBI-163	4.8	3.5	5.1	5.1	5.0	3/8 SAE
FDBI-164	7.5	5.5	8.0	8.0	7.9	1/2 SAE
FDBI-165	8.4	6.2	9.0	9.0	8.9	5/8 SAE
FDBI-304	7.6	5.6	8.2	8.2	8.1	1/2 SAE

Note: 1. Rated in accordance with AHRI Standard 710 (I-P): 5°F Evaporator temperature, 86°F Liquid temperature, 1 psi Pressure Drop

REFRIGERANT
R-22, R-134a, R-404A,
R-407C, R-410A, R-507

LARGE TEMP SERVICE RANGE
-22°F to +248°F

FILTRATION
20 µm
OPD MAX
580 psig

PS
700 psig



Suction Line Filter-Drier

First Line of Protection



Ideal for New Equipment Installation and System Clean-up



Molded Core with High Moisture and Acid Capacity



System Protector for Optimum Efficiency and Performance



Suction Line FD Nomenclature

FDSL 16 3 S

S = Sweat Connections
(Omit for SAE Flare Conn.)

Connection Size
in eighths of an inch

Desiccant volume in
cubic inches

Type:
Filter-Drier Suction Line

TECHNICAL DATA

Model	Nomial Volume in ³	Connection Size, "ØD" ODF (in)
FDSL-083-S	8	3/8
FDSL-084-S		1/2
FDSL-085-S		5/8
FDSL-086-S		3/4
FDSL-087-S		7/8

Model	Nomial Volume in ³	Connection Size, "ØD" ODF (in)
FDSL-163-S	16	3/8
FDSL-164-S		1/2
FDSL-165-S		5/8
FDSL-166-S		3/4
FDSL-167-S		7/8

Model	Nomial Volume in ³	Connection Size, "ØD" ODF (in)
FDSL-305-S	30	5/8
FDSL-306-S		3/4
FDSL-307-S		7/8
FDSL-309-S		1-1/8

REFRIGERANT CAPACITY TABLES

Suction Capacity (tons) ²													Conn. Solder (inch)
Refrigerant	R-404A		R-448A		R-407A		R-134a	R-450A	R-22			R-410A	
Evap. Temp.	20°F	-20°F	20°F	-20°F	20°F	-20°F	20°F	20°F	40°F	20°F	-20°F	40°F	
Press. Drop (psi)	2.0	1.0	2.0	1.0	2.0	1.0	1.5	1.5	3.0	2.0	1.0	3.0	
FDSL-083-S	0.80	0.34	0.86	0.37	0.84	0.36	0.62	0.56	1.42	0.91	0.41	1.77	3/8 ODF
FDSL-084-S	1.17	0.50	1.26	0.54	1.23	0.52	0.90	0.81	2.07	1.33	0.60	2.57	1/2 ODF
FDSL-085-S	1.56	0.67	1.68	0.73	1.65	0.70	1.21	1.09	2.78	1.77	0.80	3.46	5/8 ODF
FDSL-086-S	1.68	0.72	1.81	0.78	1.77	0.76	1.30	1.17	2.99	1.91	0.86	3.72	3/4 ODF
FDSL-087-S	1.72	0.74	1.86	0.80	1.81	0.78	1.33	1.20	3.06	1.95	0.88	3.80	7/8 ODF
FDSL-163-S	0.82	0.35	0.89	0.38	0.87	0.37	0.63	0.57	1.45	0.93	0.42	1.81	3/8 ODF
FDSL-164-S	1.20	0.51	1.30	0.55	1.27	0.53	0.93	0.84	2.14	1.36	0.61	2.66	1/2 ODF
FDSL-165-S	1.66	0.71	1.79	0.77	1.75	0.74	1.29	1.16	2.96	1.88	0.85	3.68	5/8 ODF
FDSL-166-S	1.77	0.76	1.91	0.82	1.87	0.80	1.37	1.23	3.14	2.01	0.91	3.90	3/4 ODF
FDSL-167-S	1.82	0.78	1.97	0.84	1.92	0.82	1.41	1.27	3.23	2.06	0.93	4.01	7/8 ODF
FDSL-305-S	1.74	0.75	1.88	0.81	1.84	0.79	1.35	1.22	3.10	1.97	0.89	3.85	5/8 ODF
FDSL-306-S	2.40	1.03	2.59	1.12	2.53	1.08	1.87	1.68	4.27	2.72	1.23	5.31	3/4 ODF
FDSL-307-S	2.41	1.03	2.60	1.12	2.54	1.08	1.87	1.68	4.29	2.73	1.23	5.33	7/8 ODF
FDSL-309-S	2.84	1.22	3.07	1.32	3.00	1.28	2.20	1.98	5.05	3.22	1.46	6.28	1-1/8 ODF

Note: ²Rated in accordance with ANSI/AHRI Standard 730 (I-P): 90°F Liquid Temperature, 25°F Superheated Vapor

Detects Liquid and Moisture Level



Easy to read Wide Angle Sight Glass



High Precision Color Indicator



Compatible with all common HCFC and HFC refrigerants



100% Factory Leak Tested



REFRIGERANT

R-22, R-134a, R-290,
R-404A, R-407C, R-410A,
R-507, R-744, R-407A/F,
R-1234ze

LARGE TEMPERATURE SERVICE RANGE

-58°F to +176°F

PS

667 psig



SAE FLARE: MALE x FEMALE

Aftermarket Model	Connection Type	SAE Flare
		(inch)
SG-2-FM	Flare F x M	1/4
SG-3-FM	Flare F x M	3/8
SG-4-FM	Flare F x M	1/2



ODF SOLDER: FEMALE x FEMALE

Aftermarket Model	Connection Type Solder	Connection ODF
		(inch)
SG-2-S	ODF x ODF	1/4
SG-3-S	ODF x ODF	3/8
SG-4-S	ODF x ODF	1/2
SG-5-S	ODF x ODF	5/8
SG-7-S	ODF x ODF	7/8



SAE FLARE: MALE x MALE

Aftermarket Model	Connection Type	SAE Flare
		(inch)
SG-2	Flare M x M	1/4
SG-3	Flare M x M	3/8
SG-4	Flare M x M	1/2



SEC Superheat Control Kit for EEVs

**Less Truck Stock,
Fewer Tools,
Faster Installation**

-  **Wide refrigerant temperature range**
-  **High maximum operating pressure differential (MOPD)**
-  **Low energy consumption coil**
-  **Coils are double sealed water tight and safe**



**With a few components on the truck, contractors
can replace thousands of TXV variations they encounter.**

One control kit and five EEVs replace thousands of refrigeration TXVs!

The Sanhua Superheat Control Kit contains:



- **One SEC13 EEV controller**
- **One Temperature Sensor w/16-foot cable**
- **One Pressure Transducer w/16-foot cable**
- **One 5-wire Stator for LPF/DPF EEV w/20-foot cable**

SEC Superheat Control Kit		
Aftermarket Model		Description
SEC613-R4 Kit-LPF	SEC613-R4	Controller
	NTC5A1	Temperature Sensor
	YCQB02L28-1	Pressure Transducer
	PQ-M24012-000009	EEV Stator

c  us



Sanhua Superheat Control Kit - The Next Generation of Refrigeration!

Sanhua offers 5 models of LPF EEVs to pair with the SEC Superheat Control Kit



- Real-time display of system metrics including temperature & pressure
- Configure for different system refrigerants with the touch of a button

LPF 10 D

EEV Model Type _____

Port Diameter in mm: _____

Co2 Certifier: _____

D= Certified for Co2 use, otherwise "D" is omitted

NOMINAL FLOW CAPACITY, TONS

LPF IS FOR REFRIGERATION AND AC (COOLING DUTY ONLY)

Sanhua EEV	Solder Connections (Inlet x Outlet)	TXV Cross - Reference: Solder Connections: 3/8" ODF x 1/2" ODF							* See Note
		R-134a	R-448A	R-404A	R-407A	R-407F	R-22	R-410A	All Ref.
LPF03-001	3/8" x 1/2" ODF	1/6 (2,000)	1/6 (2,000)	1/8 (1,500)	1/6 (2,000)	1/6 (2,000)	1/6 (2,000)	1/4 (3,000)	
LPF05-001	3/8" x 1/2" ODF	1/4 (3,000)	1/4 (3,000)	1/5 (2,400)	1/4 (3,000)	1/3 (4,000)	1/3 (4,000)	1/3 (4,000)	AAA
LPF08-001	3/8" x 1/2" ODF	1/3 (4,000)	1/2 (6,000)	1/3 (4,000)	1/2 (6,000)	1/2 (6,000)	1/2 (6,000)	3/4 (9,000)	
LPF10-002	3/8" x 1/2" ODF	1/2 (6,000)	3/4 (9,000)	1/2 (6,000)	3/4 (9,000)	3/4 (9,000)	3/4 (9,000)	1 (12,000)	AA
LPF14-002	3/8" x 1/2" ODF	1-1/4 (15,000)	1-1/2 (18,000)	1-1/4 (15,000)	1-1/2 (18,000)	1-3/4 (21,000)	1-3/4 (21,000)	2 (24,000)	A
LPF18-002	3/8" x 1/2" ODF	2 (24,000)	2 (24,000)	1-3/4 (21,000)	2 (24,000)	2-1/2 (30,000)	2-1/2 (30,000)	3 (36,000)	B
LPF24-002	3/8" x 1/2" ODF	3 (36,000)	4 (48,000)	3 (36,000)	4 (48,000)	4 (48,000)	4-1/2 (54,000)	5 (60,000)	C
LPF32-001	3/8" x 1/2" ODF	5 (60,000)	6	4-1/2 (54,000)	6	6	7	8	D
LPF45-001	5/8" x 5/8" OD	8	9	7	9	10	11	13	
LPF52-001	5/8" x 5/8" OD	10	13	10	13	15	15	18	
LPF55-001	5/8" x 5/8" OD	15	17	13	17	19	20	23	
LPF62-001	5/8" x 5/8" OD	18	21	15	21	23	24	29	

* Sporlan TXV Balanced Port - All Refrigerants

NOMINAL FLOW CAPACITY, TONS

DPF IS FOR AC AND HEAT PUMP SYSTEMS (SUPPORTS BI-FLOW OPERATION)

Sanhua EEV	Solder Connections (Inlet x Outlet)	TXV Cross - Reference: Tons		Sporlan TXV Balanced Port
		R-22	R-410A	All Refrigerants
DPF(TS1)1.3C	5/16" x 5/16" OD	1-1/4 (15,000)	1-1/2 (18,000)	AA
DPF(TS1) 1.65C	5/16" x 5/16" OD	2-1/2 (30,000)	2-1/2 (30,000)	A
DPF(TS1) 2.4C	5/16" x 5/16" OD	4-1/2 (54,000)	5 (60,000)	B
DPF(TS1) 3.2C	5/16" x 5/16" OD	7	9	C
DBF05H100	5/8" x 5/8" OD	15	18	
DBF07H100	5/8" x 5/8" OD	20	25	

DPF (TS1) 1.3 C - XXX

EEV Model Type _____

LPF

DPF(TS1) = Up to 3.2mm port

DBF= Greater than 3.2mm port

Port Diameter in mm _____

Certifier: "C" or "Blank" - _____

Standard certification

Product Serial Number: _____

Designates different fitting sizes

Thermostatic Expansion Valve TXVH



The EASY Cartridge Style TXV

- **Easy component selection**
- **Easy to stock with fewer parts**
- **Easy on-the-spot assembly**

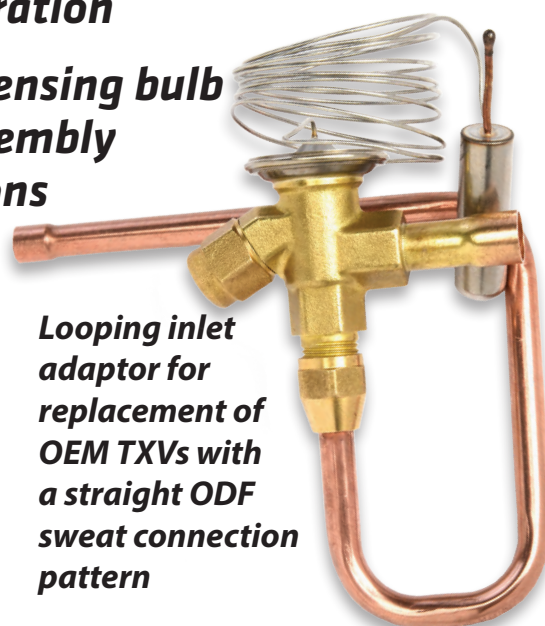
Universal Replacement for over 95% of installed refrigeration TXVs!

Control superheat with confidence. The Sanhua model TXVH is designed with world-class engineering and manufacturing technology combined with premium materials for superior performance.

-  **Wide evaporator temperature range thermostatic charge**
-  **Utilizes cross-charge technology**
-  **Available with MOP function to protect compressor from excessive suction pressure during operation**
-  **Stainless steel power head, capillary, and sensing bulb**
Fixed and welded power head improves assembly integrity and simplifies component selections



Eight inlet cartridges available for precise capacity selection



Looping inlet adaptor for replacement of OEM TXVs with a straight ODF sweat connection pattern

Adaptor for ODF sweat inlet connection

REFRIGERANT

R-22, R-134a, R-404A,
R-407C, R-407F,
R-410A, R-507

LARGE TEMP SERVICE RANGE

-30°F to +130°F

FLUID TEMP RANGE

-40°F to +158°F

MAX OP 667 psig



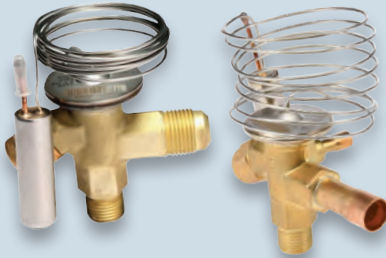
Step 1:

Select orifice size based on nominal capacity



Step 2:

Select body to match refrigerant and connection style desired

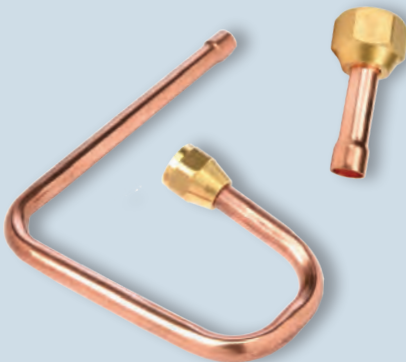


Step 3:

SOLDER ADAPTERS

Aftermarket Model	Solder Connection
TXVH-3S-IN	3/8"
TXVH-2S-IN	1/4"
TXVH-3 Loop-IN	3/8"

Note: 1. Copper tube and flare nut are included



STEP 1: ORIFICE SELECTION CRITERIA | Nominal Capacity

Orifice Model	Nominal Capacity					
	R-22 R-407A R-407C R-407F		R-404A R-507		R-134a	
	Tons	Balanced Port	Tons	Balanced Port	Tons	Balanced Port
TXVH-0X	1/5	-	1/8	-	1/8	-
TXVH-00	1/3	AAA	1/4	AAA	1/5	AAA
TXVH-01	3/4	AA	1/2	AA	1/3	-
TXVH-02	1	-	3/4	-	1/2	AA
TXVH-03	1-1/2	A	1-1/4	A	3/4	-
TXVH-04	2-1/2	B	2	B	1	A
TXVH-05	3 -1/2	-	2-1/2	-	1-3/4	B
TXVH-06	5	C	3	C	2-1/2	C

STEP 2: SELECT BODY TO MATCH REFRIGERANT AND CONNECTION

STEP 3

Valve Body Configuration Inlet x Outlet x Equalizer		R-22 R-407A R-407C R-407F	R-404A R-507	R-407A R-507 Low Temp (with MOP)	R-134a	Inlet Adaptor
	3/8 x 1/2 SAE Flare (Internally Equalized)	TXVH-22	TXVH- 404A-507	TXVH-404A- 507-14F	TXVH- 134a	Not Required
	3/8 x 1/2 x 1/4 SAE Flare	TXVHE-22	TXVHE- 404A-507	TXVHE- 404A-507- 14F	TXVHE- 134a	Not Required
	1/4 x 3/8 ODF Sweat (Internally Equalized)	TXVH-22-3S	TXVH- 404A-507-3S	TXVH-404A- 507-3S-14F	TXVH- 134a-3S	TXVH-2S-IN
	1/4 x 3/8 x 1/4 ODF Sweat	TXVHE-22-3S	TXVHE- 404A-507-3S	TXVHE- 404A-507- 3S-14F	TXVHE- 134a-3S	TXVH-2S-IN
	3/8 x 1/2 ODF Sweat (Internally Equalized)	TXVH-22-4S	TXVH- 404A-507-4S	TXVH-404A- 507-4S-14F	TXVH- 134a-4S	TXVH-3S-IN
	3/8 x 1/2 x 1/4 ODF Sweat	TXVHE-22-4S	TXVHE- 404A-507-4S	TXVHE- 404A-507- 4S-14F	TXVHE- 134a-4S	TXVH-3S-IN

TXVH BODY NOMENCLATURE

TXVH E 404A-507 3S 14F

TXV MODEL SERIES:
TXVH = Type "H" TXV (RFKH)

EQUALIZATION OPTION:
E = External Equalizer
Omit if Internally Equalized

REFRIGERANTS:
404A-507 = R-404A or R-507
22 = R-22, R-407A, R-407C or R-407F
134a = R-134a

OUTLET CONNECTION:
3S = 3/8" ODF Sweat
4S = 1/2" ODF Sweat
Omit if SAE

MOP:
14F = 14°F MOP
Omit if no MOP

Thermostatic Expansion Valve

Versatility Defined: Universal AC/HP TXV Kit for R-410A and R-22 Air Conditioning and Heat Pump



- Three outlet connection options:
 - ✓ 1/2" ODF Sweat
 - ✓ Aeroquip adaptor
 - ✓ Chatleff adaptor
- Built-in check valve, use either on heat pump or straight cooling applications
- Balanced port design ideal to handle a capacity range
- External superheat adjustment
- Fewer SKUs for more applications

UNIVERSAL AC/HP TXV KIT

Aftermarket Model	Capacity Range	Refrigerant
TXVFE-2-22-Kit	1 to 2 Tons	R-22
TXVFE-3-22-Kit	2.25 to 3 Tons	R-22
TXVFE-4-22-Kit	3.25 to 4 Tons	R-22
TXVFE-6-22-Kit	4.25 to 6 Tons	R-22

Aftermarket Model	Capacity Range	Refrigerant
TXVFE-2-410A-Kit	1 to 2 Tons	R-410A
TXVFE-3-410A-Kit	2.25 to 3 Tons	R-410A
TXVFE-4-410A-Kit	3.25 to 4 Tons	R-410A
TXVFE-5-410A-Kit	4.25 to 5 Tons	R-410A

Note: Connections: 3/8" ODF inch, 1/2" ODF Out Aeroquip and Chetleff adaptors, Equalizer 1/8" OD x 24" with 1/4"SAE flare nut

The Sanhua Universal AC/HP TXV Kit is designed with world-class engineering and manufacturing technology combined with premium materials for superior performance.

MODEL DESIGNATION NOMENCLATURE

TXV F E - 3 - 410A - KIT

MODEL: _____
TXV = Thermal Expansion Valve

TXV Model Series: _____
F= Type "F" TXV (RGFG)
K= Type "K" TXV (RFGK)
D= Type "D" TXV (RFGD)

EXTERNAL EQUALIZER _____

CONNECTIONS:
KIT = Includes ODF Sweat Connections + Adaptors
Chatleff = Chatleff Style Conenctions

REFRIGERANT:
410A = R-410A
22 = R-22

REFRIGERANT
R-22, R-410A

LARGE TEMPERATURE
SERVICE RANGE
-22°F to +275°F

MRP
670 psig

Additional Larger AC TXV Models for R-410A

Aftermarket Model	Connection, ODF Solder			Capacity Range	Refrigerant
	Inlet	Outlet	Equalizer		
TXVKE-8-410A	5/8"	7/8"	1/4"	5.5 to 8 tons	R-410A
TXVDE-11.5-410A				8.5 to 11.5 tons	
TXVDE-15-410A				12 to 15 tons	



- 5/8" x 7/8" x 1/4" ODF sweat connections
- External superheat adjustment
- Larger capacities for air conditioning applications

Chatleff TXV Connections

- Built-in check valve, use on heat pump or straight cooling applications
- External superheat adjustment
- Drop-in replacement for Chatleff x Chatleff connections

Aftermarket Model	Capacity Range	Refrigerant
TXVFE-2-410A-CHATLEFF	1 to 2 tons	R-410A
TXVFE-3-410A-CHATLEFF	2.25 to 3 tons	R-410A
TXVFE-4-410A-CHATLEFF	3.25 to 4 tons	R-410A
TXVFE-5-410A-CHATLEFF	4.25 to 5 tons	R-410A
TXVFE-6-410A-CHATLEFF	5.25 to 6 tons	R-410A

Note: Connections: Inlet Male Chatleff, Outlet Female Chatleff, Equalizer 1/8" ODx24" with 1/4" Female SAE Flare



REFRIGERANT
R-410A

**LARGE TEMPERATURE
SERVICE RANGE**
-22°F to +275°F

MRP
670 psig



4-Way Reversing Valve

OVER 50 MILLION UNITS PER YEAR

SANHUA is the Leader in Manufacturing the World's Most Reliable Reversing Valve



REVERSING VALVE CAPACITY SELECTION TABLE

Aftermarket Model	Nominal Cooling Capacity (tons*)							
	R-407C		R-410A		R-134a		R-404A/R-507	
	Pressure Drop (PSI)							
	1.5	3.0	1.5	3.0	1.5	3.0	1.5	3.0
SHF(L)-4H-23U	0.91	1.31	1.08	1.54	0.74	1.05	0.74	1.05
SHF(L)-7H-34	1.68	2.36	1.96	2.76	1.34	1.88	1.34	1.88
SHF(L)-7H-34U	1.68	2.36	1.96	2.76	1.34	1.88	1.34	1.88
SHF(L)-7H-35	1.68	2.36	1.96	2.76	1.34	1.88	1.34	1.88
SHF-7H-45	1.68	2.36	1.96	2.76	1.34	1.88	1.34	1.88
SHF-9H-45D1-L1	2.10	2.90	2.40	3.40	1.60	2.30	1.60	2.30
SHF(L)-11H-46D1	2.59	3.67	3.04	4.29	2.08	2.93	2.08	2.93
SHF-14-46	3.81	5.37	4.46	6.31	3.04	4.29	3.04	4.29
SHF-14-47	3.81	5.37	4.46	6.31	3.04	4.29	3.04	4.29
SHF-14-56D1	3.81	5.37	4.46	6.31	3.04	4.29	3.04	4.29
SHF-20A-45	5.49	7.76	6.4	9.07	4.38	6.17	4.38	6.17
SHF-20A-56D1	5.49	7.76	6.4	9.07	4.38	6.17	4.38	6.17
SHF-20A-57D1	5.49	7.76	6.4	9.07	4.38	6.17	4.38	6.17
SHF-20D-46-02	5.49	7.76	6.4	9.07	4.38	6.17	4.38	6.17
SHF-35B-47-04	8.47	12.0	9.92	14.0	8.47	9.58	6.77	9.55
SHF-50-911D2	9.72	13.70	14.60	20.60	7.59	10.70	8.31	11.80
SHF(L)-100-1012-01	21.30	30.10	31.90	45.10	16.60	23.50	18.20	25.70

*Condensing temperature 130°F; evaporating temperature +45°F; Superheat and Subcooling temperature 9°F

Reversing Valve Nomenclature

SHF (L) 11 H 4 6 D1 02

Valve Series

Valve Body and Pilot Materials

(L) = Brass Valve Body and SS Pilot Body
Omit = Brass Valve and Pilot Bodies

Refrigerant Code
Nominal Capacity in kW
"D", "S", and "C" connection size

Slide Material and Use

Blank = Standard
L1 = Alternate Slide Material
01 = PPS/Fixed speed
02 = PPS/Variable speed
04 = PPS/Variable speed

Valve Style

Blank = D tube straight in center location
U = U shape D tube in center location
D1 = D tube straight and in line with E
D2 = D tube straight and in line with C



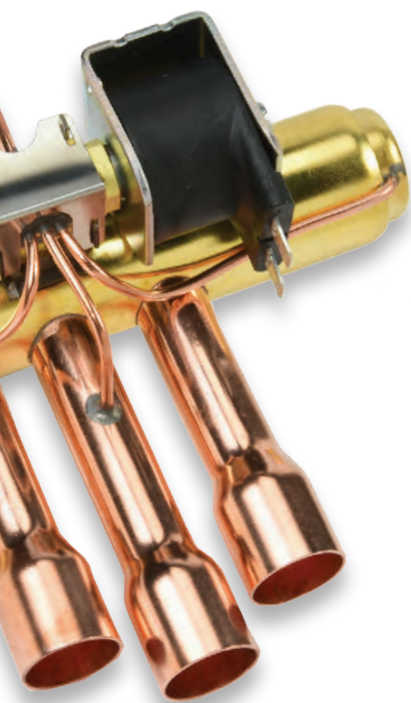
Solder connection pilot tube and valve for increased reliability



Suitable for capacities from 1-120 tons



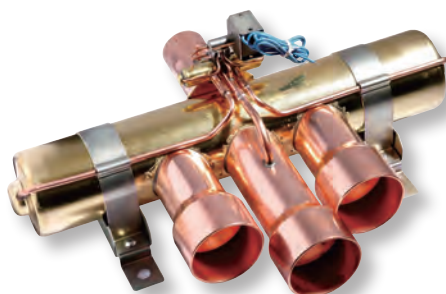
Compatible with all common HCFC and HFC refrigerants



REVERSING VALVE COIL CHARACTERISTICS

Aftermarket Model	Electrical Connection	Rated Voltage	Power Consumption
			AC
			60Hz
			(W)
Coil-SHF-FA4	Spade ¹	24 VAC	5
Coil SHF-FA2	Spade ¹	120 VAC	5
Coil SHF-FA5	Spade ¹	220-240 VAC	5

Note: 1. Wire harness for coil with Faston connector SQ-000000-090028



REFRIGERANT

R-22, R-134a, R-290,
R-404A, R-407C, R-410A,
R-507

OPD MAX

580 psig

LARGE TEMPERATURE SERVICE RANGE

-22°F to +275°F

PS

650 psig



Systems Requiring a Pressure Control Function



Single Pole, Double Throw (SDPT) Switch



Auto or Manual Reset Models



Durable Bronze Bellows and 1/4" flare connections



Installation Bracket Supplied with all Models

● **MULTIPLE PRESSURE REGULATING RANGES AVAILABLE**

● **CONVENIENT CAP TUBE/FLARE NUT CONNECTION AVAILABLE**



MODELS AVAILABLE

Aftermarket Model	Pressure	Connections
PS01AM-S01	Low pressure, auto reset	Capillary with 1/4" Flare nut
PS01MM-S01	Low pressure, manual reset	Capillary with 1/4" Flare nut
PS50AM-S01	High pressure/Fan control, auto reset	Capillary with 1/4" Flare nut
PS50MM-S01	High pressure, manual reset	Capillary with 1/4" Flare nut
PS15AAM-S01	Dual pressure/Fan control, auto + auto reset	Capillary with 1/4" Flare nut
PS15AMM-S01	Dual pressure, auto + manual reset	Capillary with 1/4" Flare nut
PS01AL-C05	LP, auto reset, 1/4" flare	Flare Connection 7/16-20UNF (1/4in & 6mm)
PS50AL-C05	High pressure/Fan control, auto reset	Flare Connection 7/16-20UNF (1/4in & 6mm)
PS50ML-C05	High pressure, manual reset	Flare Connection 7/16-20UNF (1/4in & 6mm)
PS15AAL-C05	Dual pressure/Fan control, auto + auto reset	Flare Connection 7/16-20UNF (1/4in & 6mm)
PS15AML-C05	Dual pressure, auto + manual reset	Flare Connection 7/16-20UNF (1/4in & 6mm)

PS01/50/15 series pressure controls are used in refrigeration and air conditioning systems to protect the systems from extremely low suction pressure or extremely high discharge pressure.



MODEL DESIGNATION NOMENCLATURE

PS 15 AA L - S 01		
MODEL: _____		CONNECTION UNIT:
PS = Pressure Control		01 = Certified by TÜV, Rheinland acc. to PED 2014 68/EU, EN12263. The high pressure side is designed with double bellows, providing fail-safe function.
PRESSURE REGULATING RANGE: _____		DESIGN TYPE:
01 =LP: 15 inHg 100 psig		S = Standard
50 =HP: 85 465 psig		C = Custom
60 =HP:85 610 psig		CONNECTION TYPE:
15 =DUAL (LP/HP): LP: 15 inHg 100 psig HP: 85 465 psig		L = 1/4" SAE Flare (male)
RESET TYPE: _____		H = 1/4" ODF Sweat
A = Automatic M = Manual C = Convertible		M = Capillary Tube with 1/4" SAE Flare Nut
AA = Auto LP/Auto HP AC = Auto LP/Convertible Am/Ma/MM/MC/CA/CM/CC		

REFRIGERANT

R-22, R-134a, R-404A, R-407C,
R-507, R-744, R-407A

**LARGE TEMPERATURE
SERVICE RANGE**
-40°F to +250°F

PS

HP: 500 psig
LP: 240 psig



Stop Refrigerant Flow

Access the system with minimal pressure drop

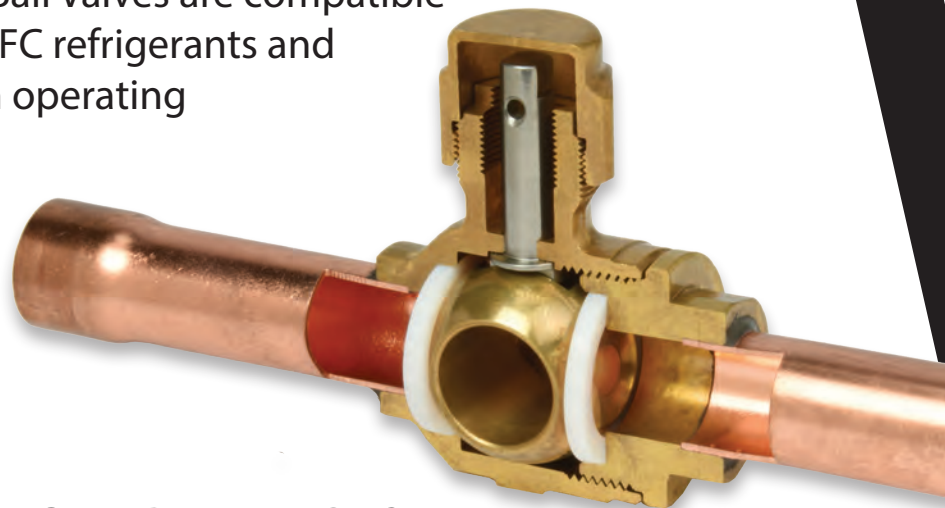
- **ALL BALL VALVES ARE FULLY PORTED**
- **EASY TO OPERATE WITH 1/4 TURN TO OPEN & CLOSE**

Sanhua Ball Valves easily and efficiently shut off refrigerant flow and allow for the refrigerant to be isolated when servicing. The Ball Valves are compatible with all common HCFC and HFC refrigerants and are UL listed with a maximum operating pressure of 700 psig.



WITH ACCESS FITTING

Aftermarket Model	Connection	Cv
	(inch)	
With access fitting		
BV-3-S-T	3/8	4.35
BV-4-S-T	1/2	7.74
BV-5-S-T	5/8	9.02
BV-6-S-T	3/4	14.6
BV-7-S-T	7/8	18.9
BV-9-S-T	1-1/8	34.9
BV-11-S-T	1-3/8	54
BV-13-S-T	2-5/8	77.6
BV-17-S-T	2-1/8	174.8
BV-21-S-T	2-5/8	295.7
BV-25-S-T	3-1/8	362
BV-29-S-T	3-5/8	479
BV-33-S-T	4-1/8	750



MACHINED WITH HIGH QUALITY C360 ALLOY BRASS FOR HIGH TENSILE STRENGTH

BV 3 S T

Ball Valve Model: _____
BV = Ball Valve

Connection Diameter Size: _____

Connection Type: _____
S = ODF Solder
FM = Female Flare x Male Flare Connection

System Code:
Blank = No access Valve
T = Access Valve
TC = Access Valve & Insulation

REFRIGERANT
R-22, R-134a, R-290,
R-404A, R-407C, R-410A,
R-507 Bi-directional,
full port

LARGE TEMPERATURE SERVICE RANGE
-40°F to +248°F

PS
700 psig





Do it right.

Isolate the evaporators with Sanhua Ball Valves.

- Saves time & easier on you and your customer when service is needed
- Faster to bring system back to peak performance when there is less guessing about the refrigerant charge
 - Isolate on single and multi-evaporator systems
 - Male flare x female flare swivel designed to match the connections on line sets and evaporators



Male Flare x Female Flare Swivel Design

Aftermarket Model	Connection Type	SAE Flare ød (inch)
BV-2-FM-TC	Flare M x Swivel Nut	1/4
BV-3-FM-TC	Flare M x Swivel Nut	3/8
BV-4-FM-TC	Flare M x Swivel Nut	1/2
BV-5-FM-TC	Flare M x Swivel Nut	5/8



Solenoid Valve Piston Type

Hermetic Body Designed to Eliminate Leak Sources



Wide refrigerant temperature range



High maximum opening pressure differential (MOPD)



Low energy consumption coil



Coils are double sealed water tight and safe

SELECTION CRITERIA

Size	Liquid Capacity (tons) ¹⁾						
	R-404A	R-448A	R-407A	R-134a	R-450A	R-22	R-410A
	3 psi ΔP	3 psi ΔP	3 psi ΔP	2 psi ΔP	2 psi ΔP	3 psi ΔP	3 psi ΔP
SoV2	0.54	0.70	0.70	0.61	0.57	0.78	0.75
SoV3	1.16	1.51	1.51	1.32	1.23	1.70	1.63
SoV5	2.23	2.91	2.91	2.54	2.37	3.27	3.14
SoV6	3.57	4.66	4.65	4.06	3.79	5.23	5.02
SoV9	5.80	7.57	7.55	6.59	6.16	8.49	8.16
SoV10	8.48	11.1	11.0	9.63	9.00	12.4	11.9
SoV15	11.2	14.6	14.5	12.7	11.8	16.3	15.7
SoV19	17.8	23.3	23.2	20.3	18.9	26.1	25.1
SoV25	26.8	34.9	34.9	30.4	28.4	39.2	37.7
SoV35	51.7	67.5	67.4	58.8	54.9	75.8	72.8
SoV43	74.9	97.8	97.6	85.2	79.6	109.7	105.4
Suction Vapor Capacity (tons) @ 1 psi ΔP ²							
Size	R-404A	R-448A	R-407A	R-134a	R-450A	R-22	R-410A
SoV2	0.06	0.06	0.06	0.05	0.05	0.06	0.08
SoV3	0.12	0.13	0.13	0.11	0.10	0.14	0.17
SoV5	0.23	0.26	0.25	0.21	0.19	0.27	0.33
SoV6	0.37	0.41	0.40	0.33	0.30	0.43	0.52
SoV9	0.61	0.66	0.65	0.54	0.49	0.69	0.85
SoV10	0.89	0.97	0.95	0.79	0.72	1.01	1.24
SoV15	1.17	1.28	1.25	1.04	0.94	1.33	1.63
SoV19	1.87	2.04	2.00	1.67	1.51	2.13	2.61
SoV25	2.80	3.06	3.00	2.51	2.27	3.19	3.92
SoV35	5.42	5.92	5.81	4.85	4.38	6.18	7.57
SoV43	7.85	8.58	8.41	7.02	6.35	8.94	11.0



Manual Lift Stem

Discharge Vapor Capacity (tons) @ 2 psi ΔP ²							
Size	R-404A	R-448A	R-407A	R-134a	R-450A	R-22	R-410A
	3 psi ΔP	3 psi ΔP	3 psi ΔP	2 psi ΔP	2 psi ΔP	3 psi ΔP	3 psi ΔP
SoV2	0.12	0.14	0.14	0.12	0.11	0.14	0.17
SoV3	0.27	0.30	0.29	0.25	0.23	0.30	0.36
SoV5	0.51	0.57	0.57	0.49	0.45	0.57	0.69
SoV6	0.82	0.91	0.90	0.78	0.71	0.91	1.11
SoV9	1.34	1.49	1.47	1.27	1.16	1.49	1.80
SoV10	1.96	2.17	2.15	1.85	1.70	2.17	2.64
SoV15	2.57	2.86	2.83	2.44	2.23	2.86	3.47
SoV19	4.12	4.57	4.52	3.90	3.57	4.57	5.55
SoV25	6.17	6.86	6.78	5.86	5.35	6.86	8.33
SoV35	11.9	13.3	13.1	11.3	10.3	13.3	16.1
SoV43	17.3	19.2	19.0	16.4	15.0	19.2	23.3

Note: Rated in accordance with ANSI/AHRI Standard 760 (I-P)

- 40°F Evaporator Temperature, 110°F Condenser Temperature, 100°F Liquid Temp.
- 40°F Evaporator Temperature, 65°F Suction Gas Temperature, 110°F Condenser Temp., Isentropic Compression plus 50°F



Pilot Operated Performance

Direct acting and piston type solenoid valves designed to operate at low pressure differentials on air conditioning and refrigeration systems. In addition to liquid and suction line, they are suitable for discharge application and can tolerate temperatures to 285°F.



Normally Closed w/Manual Lift Stem Normally Open

Size	Aftermarket Model	Solder Connection ODF (in)	Size	Aftermarket Model ¹⁾	Solder Connection ODF (in)
SoV6	SoV6-3-S-M	3/8" ODF	SoV9	SoV9-3-S-O	3/8" ODF
	SoV6-4-S-M	1/2" ODF		SoV9-4-S-O	1/2" ODF
SoV9	SoV9-3-S-M	3/8" ODF	SoV10	SoV10-4-S-O	1/2" ODF
	SoV9-4-S-M	1/2" ODF		SoV10-5-S-O	5/8" ODF
	SoV9-5-S-M	5/8" ODF	SoV15	SoV15-5-S-O	5/8" ODF
SoV10	SoV10-4-S-M	1/2" ODF	SoV35	SoV35-11-S-O	1-3/8" ODF
	SoV10-5-S-M	5/8" ODF	SoV43	SoV43-13-S-O	1-5/8" ODF
SoV15	SoV15-5-S-M	5/8" ODF		SoV43-17-S-O	2-1/8" ODF
	SoV15-7-S-M	7/8" ODF			
SoV19	SoV19-7-S-M	7/8" ODF			
	SoV19-9-S-M	1-1/8" ODF			
SoV25	SoV25-7-S-M	7/8" ODF			
	SoV25-9-S-M	1-1/8" ODF			
SoV35	SoV35-9-S-M	1-1/8" ODF			
	SoV35-11-S-M	1-3/8" ODF			
SoV43	SoV43-13-S-M	1-5/8" ODF			
	SoV43-17-S-M	2-1/8" ODF			

Normally Closed

Size	Aftermarket Model	Solder Connection ODF (in)
SoV2	SoV2-2-S	1/4" ODF
SoV3	SoV3-2-S	1/4" ODF
	SoV3-3-S	3/8" ODF
SoV5	SoV5-2-S	1/4" ODF
	SoV5-3-S	3/8" ODF
SoV6	SoV6-3-S	3/8" ODF
	SoV6-4-S	1/2" ODF

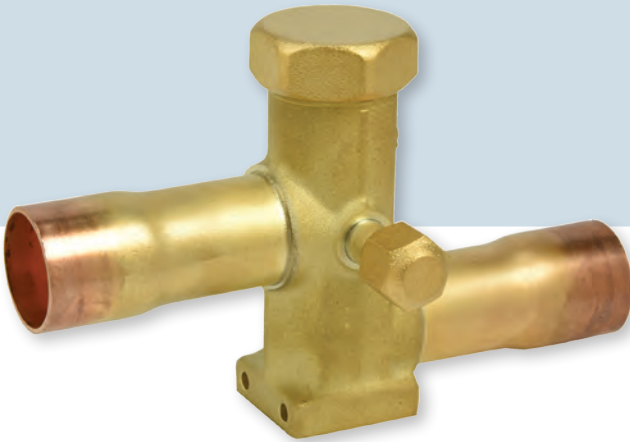
SoV 6 - 3 - S - M

[] Omit for Normally Closed
 "M" = Normally Closed w/Manual Lift Stem
 "O" = Normally Open
 --- Sweat Connections (ODF)
 — Connection Sizes in eighths of an inch
 --- Size Code
 — Solenoid Valve

Coils with Junction Box

Operation	Aftermarket Model ¹⁾	Rated Voltage	Supply	Power (W)	Frequency (Hz)	Voltage Tolerance	Insulation Class	Protection Class (w/plug)	Wiring type
Normally Closed	Coil-SoV-024	24	AC	9.0 (50Hz) 8.0 (60Hz)	50/60	-15% to +10%	F	IP67	Lead Wires
	Coil-SoV-120	120							
	Coil-SoV-208-240	208 to 240							
	Coil-SoV-DUAL	120V/208 to 240							
Normally Open	Coil-SoV-024-NO	24							
	Coil-SoV-120-NO	120							
	Coil-SoV-208-240-NO	208-240							

The Main Connection



Ability to handle low pressure drops and environmental conditions



Compatible with all common HCFC and HFC refrigerants



100% Factory Leak Tested



Your Trusted Access Point

Engineered to withstand the elements

Sanhua Service Valves easily and efficiently shut off refrigerant flow and allow for the refrigerant to be isolated when servicing. The Service Valves are compatible with all common HCFC and HFC refrigerants and are UL certified with a maximum operating pressure of 650 psig.

PRODUCT INFORMATION

Aftermarket Model	Charge Port SAE Flare (inch)
Service-Bar-3-S-T	3/8
Service-Bar-4-S-T	1/2
Service-Bar-5-S-T	5/8
Service-Bar-6-S-T	3/4
Service-Bar-7-S-T	7/8

**MACHINED WITH HIGH QUALITY C360
ALLOY BRASS FOR HIGH TENSILE STRENGTH**

REFRIGERANT

R-134a, R-404A,
R-407C, R-410A, R-507

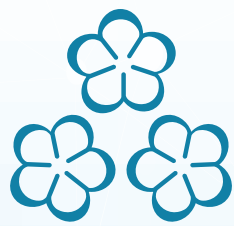
LARGE TEMPERATURE SERVICE RANGE

-22°F to +275°F

PS

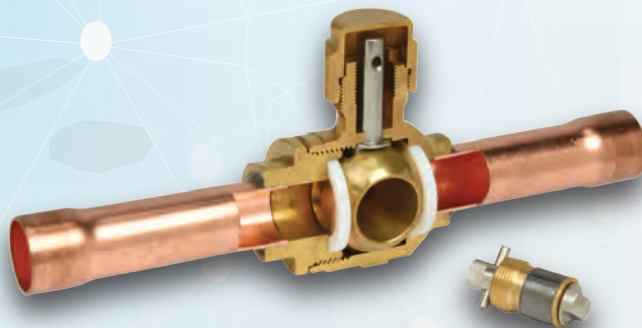
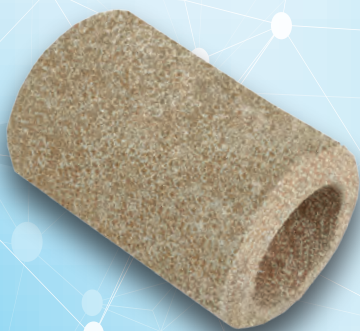
650 psig





SANHUA

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Inside that Counts.**



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