

# PDF , HVAC et Refrigeration Parts, Copper, Chemicals, Compressors, Controls, Coils, Fans & Motors, Electronics, Service Tools, Supplies

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PDF , HVAC et Refrigeration Parts, Copper, Chemicals, Compressors, Controls, Coils, Fans & Motors, Electronics, Service Tools, Supplies

Mbsm\_dot\_pro\_private\_PDF\_hvac2partsandsupplies-1Télécharger

Hand Valve



Model	Connection Size	Connection Type
	(Inch)	
NHV-04-1/4	1/4"	Flare to Flare, with brass nut
NHV-06-3/8	3/8"	Flare to Flare, with brass nut
NHV-08-1/2	1/2"	Flare to Flare, with brass nut
NHV-10-5/8	5/8"	Flare to Flare, with brass nut
NHV-12-3/4	3/4"	Flare to Flare, with brass nut
NHV-04S-1/4	1/4"	Solder to solder
NHV-06S-3/8	3/8"	Solder to solder
NHV-08S-1/2	1/2"	Solder to solder
NHV-10S-5/8	5/8"	Solder to solder
NHV-12S-3/4	3/4"	Solder to solder

Application:

- Valve bodies are made from forged brass. Its full-size openings for maximum flow and minimum pressure drop, mounting brackets for easy installation.

Feature:

- Forged brass construction.
- Compatible with all refrigerants and oils.
- Available with solder and flare with nuts connections.
- 100% leakage tested.

## Split Shut-Off Valve



Model	Connection Size	Connection Thread	Remark
	(Inch)		
SSOV-1/4	1/4"	7/16"-20UNF	With access port
SSOV-3/8	3/8"	5/8"-18UNF	With access port
SSOV-1/2	1/2"	3/4"-16UNF	With access port
SSOV-5/8	5/8"	7/8"-14UNF	With access port
SSOV-3/4	3/4"	1-1/6"-14UNF	With access port
SSOV-1/4-2W	1/4"	7/16"-20UNF	Without access port
SSOV-3/8-2W	3/8"	5/8"-18UNF	Without access port
SSOV-1/2-2W	1/2"	3/4"-16UNF	Without access port
SSOV-5/8-2W	5/8"	7/8"-14UNF	Without access port
SSOV-3/4-2W	3/4"	1-1/6"-14UNF	Without access port

### Feature:

- Combined function of shut-off, charging and testing.
- 100% forged brass body.
- Compact foot mounted design allows fast installation.
- Access port is available.
- Compatible for all refrigerants.

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## Thermostatic Expansion Valve



NRF(E)



RT(E)



SM(E)



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Type	Refrigerant	Model	Capacity	Connection SAE/ODF	
			Kw	Inlet	Outlet
NRF(E) RT (E)	R134a	1/4M	0.88	3/8"	1/2"
		1/2M	1.76	3/8"	1/2"
		1M	3.52	3/8"	1/2"
		1-1/2M	5.28	3/8"	1/2"
		2M	7.04	3/8"	1/2"
		2-1/2M	8.80	3/8"	1/2"
		3M	10.56	3/8"	5/8"
		4M	12.32	1/2"	5/8"
		5-1/2M	19.36	1/2"	5/8"
	R22 R407C	7-1/2M	26.40	1/2"	5/8"
		9M	31.68	1/2"	5/8"
		1/2H	1.76	3/8"	1/2"
		1H	3.52	3/8"	1/2"
		1-1/2H	5.28	3/8"	1/2"
		2H	7.04	3/8"	1/2"
		3H	10.56	3/8"	1/2"
		4H	14.08	3/8"	1/2"
		5H	17.60	3/8"	5/8"
		6H	21.12	1/2"	5/8"
		7-1/2H	26.40	1/2"	5/8"
		10H	35.20	1/2"	5/8"
	R404A R507	12H	42.24	1/2"	5/8"
		1/3S	1.17	3/8"	1/2"
		2/3S	2.35	3/8"	1/2"
		1S	3.52	3/8"	1/2"
		1-1/2S	5.28	3/8"	1/2"
		2S	7.04	3/8"	1/2"
		3S	10.56	3/8"	1/2"
		3-1/2S	12.32	3/8"	5/8"
		4S	14.08	1/2"	5/8"
		5S	17.60	1/2"	5/8"
SM(E) - SAE Orifice	R134a, R22, R507 R407C, R404A	7S	24.64	1/2"	5/8"
		8-1/2S	29.92	1/2"	5/8"
		SM(E)	-	3/8"	1/2"
		#0 - #6	-	-	-

#### Application:

- Thermostatic expansion valve regulate the flow of refrigerant liquid into evaporators. They are widely used in air conditioning, refrigeration, heat pump and chiller applications.

Note: if there is "E" after model, it indicates external equalization.

#### Feature:

- Evap. Temp.: -40 °C to +10 °C.
- Constant superheat adjusting performance.
- Can be supplied with MOP (max. operating pressure).
- Capillary length: 1.5m(NRF/NRFE/RT/RTE); (SM/SME).
- Pressure Equalization: NRFE / RTE / SME: ext. 1/4"; NRF / RT / SM: int.

#### Our Customers:



Rated capacity is based on:

- Evaporating temperature  $t_e = +4.4$  °C.
- Condensing temperature  $t_c = +40$  °C.
- Refrigerant liquid temperature ahead of valve  $t_l = +37.8$  °C.

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#### Pressure Controls



Φ6 Valve nut M12×1.25 Thread  
1/4" Flare nut 7/16"-20UNF Thread

Standard Connection

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Symbol	Model	Low Pressure (Mpa)		High Pressure (Mpa)		Reset		MAX. work pressure		UL Certification
		Adjust range	Differential	Adjust range	Differential	L.P.	H.P.	L.P. (Mpa)	H.P. (Mpa)	
Low Pressure (L.P.)	NWP2	0 ~ 0.2	0.04 ~ 0.1			Aut.		1.7		YES
	NWP3	-0.05 ~ 0.3	0.05 ~ 0.2			Aut.		1.7		YES
	NWP6M	-0.05 ~ 0.6	Fixed $\leq$ 0.2			Man.		1.7		NO
	NWP6	-0.05 ~ 0.6	0.1 ~ 0.4			Aut.		1.7		YES
	NWP10	0.1 ~ 1.0	0.1 ~ 0.3			Aut.		1.7		YES
	NWP6W-12S	0 ~ 0.02	0.04 ~ 0.1			Aut.		1.7		NO
	NWP6W-12D	0.05 ~ 0.2	$\leq$ 0.04			Aut.		1.7		NO
	NWP760	0 ~ -0.1				Aut.		1.7		NO
High Pressure (H.P.)	NWP12D			0.2 ~ 1.2	0.1 ~ 0.4		Aut.		3.3	YES
	NWP16D			0.3 ~ 1.7	0.2 ~ 0.5		Aut.		3.3	YES
	NWP20D			0.4 ~ 2.0	0.2 ~ 0.5		Aut.		3.3	YES
	NWP30D			0.5 ~ 3.0	0.5 ~ 1.0		Aut.		3.3	YES
	NWP30			1.0 ~ 3.0	Fixed $\leq$ 0.4		Aut.		3.3	YES
	NWP30M			1.0 ~ 3.0	Fixed $\leq$ 0.4		Man.		3.3	YES
	NWP45L			1.0 ~ 4.5	Fixed $\leq$ 0.6		Aut.		4.8	NO
	NWP45DL			1.0 ~ 4.5	0.5 ~ 1.5		Aut.		4.8	NO
Dual Pressure	NWP830	-0.05 ~ 0.6	0.1 ~ 0.4	1.0 ~ 3.0	Fixed $\leq$ 0.4	Aut.	Aut.	1.7	3.3	NO
	NWP830HM	-0.05 ~ 0.6	0.1 ~ 0.4	1.0 ~ 3.0	Fixed $\leq$ 0.4	Aut.	Man.	1.7	3.3	NO
	NWP830HLM	-0.05 ~ 0.6	Fixed $\leq$ 0.4	1.0 ~ 3.0	Fixed $\leq$ 0.4	Man.	Man.	1.7	3.3	NO
	NWP1245L	0.2 ~ 1.2	0.1 ~ 0.4	1.0 ~ 4.5	Fixed $\leq$ 0.6	Aut.	Aut.	2.5	4.8	NO
	NWP1245LHM	0.2 ~ 1.2	0.1 ~ 0.4	1.0 ~ 4.5	Fixed $\leq$ 0.6	Aut.	Man.	2.5	4.8	NO
	NWP1245LHLM	0.2 ~ 1.2	Fixed $\leq$ 0.2	1.0 ~ 4.5	Fixed $\leq$ 0.6	Man.	Man.	2.5	4.8	NO

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#### Application:

- NEWEX pressure control can protect compressors in refrigeration and air-condition plant, and keep them from over-low pressure or over-high suction pressure; Can start and stop refrigeration compressors and fans of air condensers; Can be used not only in fluoride refrigeration, but also in air and liquid.

#### Feature:

- Ambient temperature/Medium temperature: -40 °C~65 °C/-40 °C~120 °C.
- Cable connection: The cable entry can be used for 15mm dia.
- Max. working pressure: L.P.: 1 MPa/H.P.: 3 MPa. (R410A: L.P.: 1.2 MPa/H.P.: 4.5 MPa.)
- Max. testing pressure: L.P.: 1.65 MPa/H.P.: 3.3MPa.(R410A: L.P.: 2.5 MPa/H.P.: 4.8 MPa.)
- Standard capillary length is 1m (including flare nuts).
- Product got UL and CE certification.

#### Notes:

- Our customers include YORK, Carrier, Midea, GREE, Trane, Climaveneta, Dunham-bush.

#### Our Customers:



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## Liquid Flow Switch



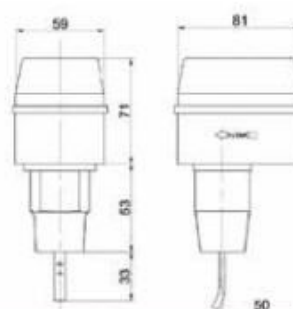
FSF50P-1(A)/FSF50P-2(A)/FSF50P-3(A)

FSF50P-1SN



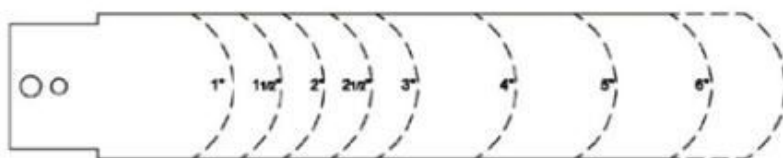
Model	Connection	Medium	Materials in contact with the medium	Crust
FSF50P-2	1/2"-14NPT	Water	Brass	Seal plastic case
FSF50P-3	3/4"-14NPT			
FSF50P-1	1"-11 1/2NPT			
FSF50P-2A	1/2"-14NPT	Caustic liquid	Stainless steel	Seal plastic case
FSF50P-3A	3/4"-14NPT			
FSF50P-1A	1"-11 1/2NPT			
FSF50P-1SN	1"-11 1/2NPT	Water	Brass	Seal plastic case

Dimension (Unit: mm)

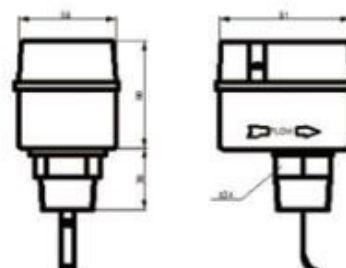


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Dimension of the paddle (Unit: inch)



FSF50P-1(A)/FSF50P-2(A)/FSF50P-3(A)



FSF50P-1SN

### Application:

- FSF series flow switches are used in measuring and controlling the flow of the liquid in the pipe, such as water, alcohol, etc., as well as in the places where it needs chain effect or cutout protection.

FSF series flow switches have SPDT switch, full-sealing structure as its shell, and stainless steel as its inside components, which can assure its use in any conditions. FSF-A series flow switches are used for caustic fluid liquid, the materials of FSF-A in contact with the medium is stainless steel.

### Feature:

- Ambient temperature: -20~50°C.
- Liquid temperature: -25~120°C.
- Max. liquid pressure: 1.5MPa.
- Approvals: DnV, Det norske Veritas(Norway), CQC(China)CE (Europe).

### Our Customers:



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NEOTECO Factory

**The Largest Manufacturer  
In China For:**

*Filter Drier  
Strainer  
Accumulator  
Access Valve*



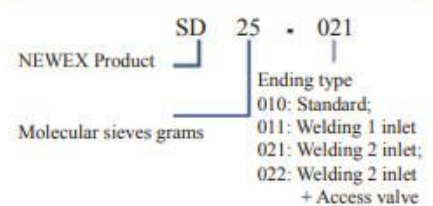
#### Application:

- NEWEX copper filter driers are designed to absorb moisture and acid, and to filter out impurities. Normally be installed as component and replaced as repair part for both domestic and commercial refrigerators, freezers.

#### Feature:

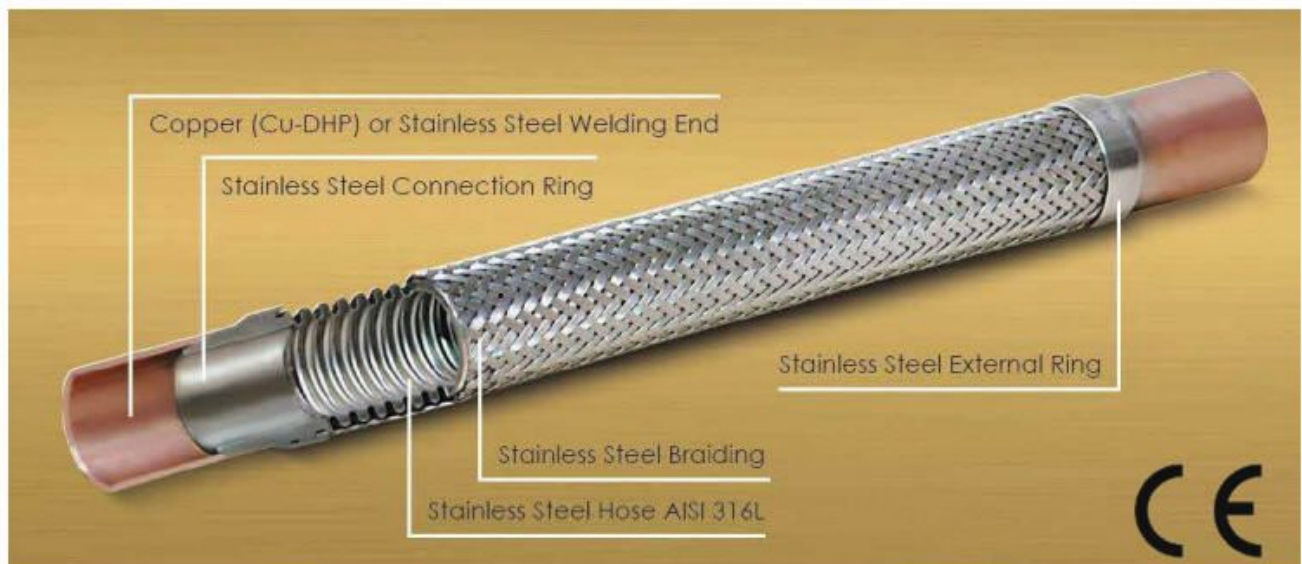
- Body shell: Cu-DHP
- Molecular sieves: 100% XH-9
- Screen: 200 mesh
- Availability: Compatible with all refrigerants
- Wall thickness: 5 – 20g: 0.40mm; > 20g: 0.50mm

#### Model Illustration:



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#### Application:

- NEWEX ball valve is manual stop valve. It has no restriction on flow direction and the operation is more convenient than other stop valves. It can be used in liquid suction and heat supplying lines in freezers and air-conditioner adjusting equipment. This valve can provide the largest flow quantity when it is totally opened and it sealed tightly when it is closed. Furthermore, the application areas of this kind of valve is extensive:  $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$ . All the valves have the SAE fixed hole, could be installed on panel. "Hermetically" welded construction. One quarter turn from fully open to fully closed valve, Rotation stop for fully open and fully closed valve.

#### Notes:

- Our customers include Bitzer (Bitzer Condensing unit).

#### Feature:

- No need to remove cap when open and close the valve and the on-off status could be read directly on the cap.
- Stem locked function to avoid self-close due to vibration in system.
- No pressure drop in flow.
- Only turn  $1/4$  circle to make valve full open or full close.
- Turning stop for full open or full close.
- Two-direction flow is available.
- Argon arc welded structure.
- Explosion-proof valve stem design.
- Modified PTEE sealing.
- Inside liquid accumulation is avoided.
- Could be mounted on the control panel.
- Applicable refrigerant: CFC, HCFC, HFC, HC.
- Product got UL, CE certification.

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## Welding Rotolock Valve

Model	Connection Size			
	Inch	mm	M Thread	S Hex
NW-V01	3/8"	φ 10	1" - 14UNS	30
NW-V02	1-1/8"	φ 28	1-3/4" - 12UN	50
NW-V03	1-3/8"	φ 35	1-3/4" - 12UN	50
NW-V04	3/4"	φ 19	1-1/4" - 12UNF	36
NW-V05	7/8"	φ 22	1-1/4" - 12UNF	36
NW-V06	1/2"	φ 12	1" - 14UNS	30
NW-V07	7/8"	φ 22	1-3/4" - 12UN	50
NW-V07-1	7/8"	φ 22	1-1/4" - 12UNF	36
NW-V09	5/8"	φ 16	1-1/4" - 12UNF	36

### Application:

- NEWEX rotolock valves are installed in the refrigeration system for adjusting the flow rate, opening & closing the flow. Please use silver soldering and make sure the spindle is open and the temperature is lower than 800 °C.

### Feature:

- Max. working pressure: 48bar.
- Working temperature range: -40 °C~ +150 °C.
- Compatible with all CFC, HCFC and HFC refrigerants and oils.
- 100% leak testing.
- No asbestos gasket.
- Product got UL certification.

### Notes:

- Our customers include Tecumseh and Emerson Climate(Copeland).

## Welding Mode

Model	Connection Size		Valve Body
	Inch	mm	
NW001	3/8"	φ 10	20
NW002	1/2"	φ 12	
NW003	5/8"	φ 16	
NW004	3/4"	φ 19	30
NW005	7/8"	φ 22	
NW006	1-1/8"	φ 28	
NW007	1-1/8"	φ 28	35
NW008	1-3/8"	φ 35	
NW009	1-5/8"	φ 42	
NW010	1-3/8"	φ 35	45
NW011	1-5/8"	φ 42	
NW012	2-1/8"	φ 54	

### Our Customers:



*Tecumseh*



**EMERSON**

**Copeland®**

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