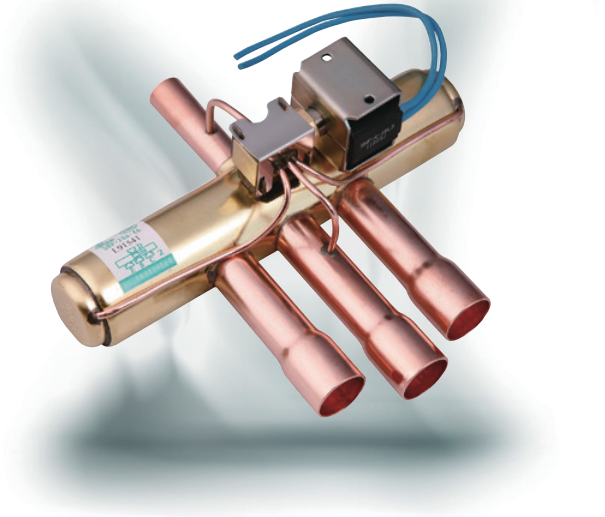


**SHF SERIES**

# 4 Way Reversing Valve

SHF series four-way reversing valves are applicable for heat pump systems such as central, unitary and room air conditioners to realize switching between cooling mode and heating mode by changing the flow path of refrigerant.

**FEATURES**

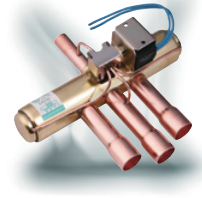
- WIDE APPLICATION RANGE
- SUITABLE FOR COOLING CAPACITIES FROM 3 TO 420KW(0.9~120 TON)

**GENERAL SPECIFICATIONS**

- Applicable for all common HCFC, HFC, HFO and HC refrigerants such as: R22, R134a, R404A, R407C, R410A, R507, R1234yf, R1234ze(E), R32, R290
- Ambient temperature min./max.: -30°C / +55°C
- Relative humidity: 0 to 95% RH
- Max. operating pressure: 4.2MPa (42 bar)
- Installation position:
  - Coil upwards or with body axis in horizontal alignment
  - Flow direction according to installation instruction
- Certifications: UL/CUL, VDE, CQC and declaration according to LVD or PED

# SHF SERIES

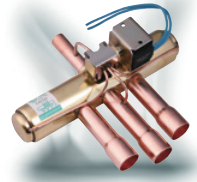
## 4 Way Reversing Valve



General Characteristics							
Valve series	Valve Model	Fixed/ Inverter AC	Connections ODF		OPD		Medium temperature
			ØD	ØE/S/C	Max.	Min.	[°C]
			[inch]	[inch]	[MPa]	[MPa]	
SHF 3	SHF-3H-12U-P-A	General	1/4	5/16	3.1	0.1	-30/+120
SHF 4	SHF-4H-23U-P-A	General	5/16	3/8	3.1	0.1	-30/+120
SHF 7	SHF-7H-34U-P-A	General	3/8	1/2	3.1	0.1	-30/+120
SHF 11	SHF(L)-11H-45D1-L2	General	1/2	5/8	3.1	0.1	-30/+120
SHF 14	SHF-14A-46	General	1/2	3/4	3.1	0.3	-30/+120
SHF 20	SHF-20D-46-01	Fixed	1/2	3/4	3.1	0.3	-30/+130
SHF 20	SHF-20D-46-02	Inverter	1/2	3/4	3.1	0.3	-30/+130
SHF 20	SHF-20D-46-03	Fixed	1/2	3/4	3.1	0.3	-30/+120
SHF 20	SHF-20D-46-04	Inverter	1/2	3/4	3.1	0.3	-30/+120
SHF 35	SHF-35B-67-01	Fixed	3/4	7/8	3.1	0.3	-30/+130
SHF 35	SHF-35B-67-04	Inverter	3/4	7/8	3.1	0.3	-30/+130
SHF 35	SHF-35B-67-05	Fixed	3/4	7/8	3.1	0.3	-30/+120
SHF 35	SHF-35B-67-06	Inverter	3/4	7/8	3.1	0.3	-30/+120
SHF 50	SHF-50-79-03	Fixed	7/8	1-1/8	3.1	0.3	-30/+130
SHF 50	SHF-50-79-04	Inverter	7/8	1-1/8	3.1	0.3	-30/+130
SHF 70	SHF(L)-70-810-30	Fixed	1	1-1/4	3.1	0.3	-30/+130
SHF 70	SHF(L)-70-810-20	Inverter	1	1-1/4	3.1	0.3	-30/+130
SHF 100	SHF(L)-100-1012	General	1-1/4	1-1/2	3.1	0.3	-30/+130
SHF 140	SHF(L)-140-1214	General	1-1/2	1-3/4	3.1	0.3	-30/+130
SHF 175	SHF(L)-175-1217	General	1-1/2	2-1/8	3.1	0.3	-30/+130
SHF 210	SHF(L)-210-1321	General	1-5/8	2-5/8	3.1	0.3	-30/+130
SHF 350	SHF(L)-350-1721	General	2-1/8	2-5/8	3.1	0.3	-30/+130
SHF 420	SHF(L)-420-2125	General	2-5/8	3-1/8	3.1	0.3	-30/+130

## SHF SERIES

### 4 Way Reversing Valve



#### COIL CHARACTERISTICS

Winding Code*	Rated Voltage	Connection Type	Cable Length	Power Consumption		Protection Class	Insulation Class	Max. Op.Temp.	Coil Model	
	[V]			[mm]	50/60Hz					DC
	[W]			[W]	[-]					[-]
SHF-4-10L3	AC220 ~ 240	Lead Wires	500	4.5/3.5	-	IP54	B	130	SQ-A3722G-000001	
SHF-4-10L4	AC110 ~ 120	Lead Wires	500	4.5/3.5	-	IP54	B	130	SQ-A2511A-001020	
SHF-4-10L5	AC24	Lead Wires	500	4.5/3.5	-	IP54	B	130	SQ-A25024-001040	
SHF-4-10L3	AC220 ~ 240	Lead Wires	1500	4.5/3.5	-	IP54	B	130	SQ-A3722G-000057	
SHF-4-10L4	AC110 ~ 120	Lead Wires	1500	4.5/3.5	-	IP54	B	130	SQ-A2511A-005052	
SHF-4-10L5	AC24	Lead Wires	1500	4.5/3.5	-	IP54	B	130	SQ-A25024-001046	
SHF-4-10FA8	DC12	Spade	-	-	10	IP00	F	155	SQ-D44012-000001	
SHF-4-10FA9	DC24	Spade	-	-	10	IP00	F	155	SQ-D44024-000001	

**Note:**

\*Certified model