



V6-412080-170



LDK-110000-070

Description

The Ranco® 4-Way Reversing Valves are designed for heat pump applications such as window-type, unitary and split systems. They are the key component to provide heating and cooling from the heat pump system by reversing the flow direction of the refrigerant. These solenoid operated valves are slide type with a 4-way pilot valve, and operate under the full pressure of the heat pump system.

Features and Benefits

- Metal slide with Teflon seal assures minimal pressure drop for better functionality
- Magnetic pilot valve facilitates low power consumption
- Optimal internal seals ensure reliability and durability of the valve
- Copper inlet and outlet tubes allow for ease of installation and time saved in brazing
- Effortless switching from cooling to heating

LDK Series Solenoid Coils

- Ranco LDK Series Solenoid Coils are designed for use with current production V2, V3, V6, V10 and V12 Ranco 4-way Reversing Valves.
- Epoxy encapsulated
- Continuous duty
- Moisture resistant magnetic coils
- Includes wiring harness

Applications

- Heat pumps
- De-icing circuits
- Hydronic heating

1 Year
Limited
Warranty



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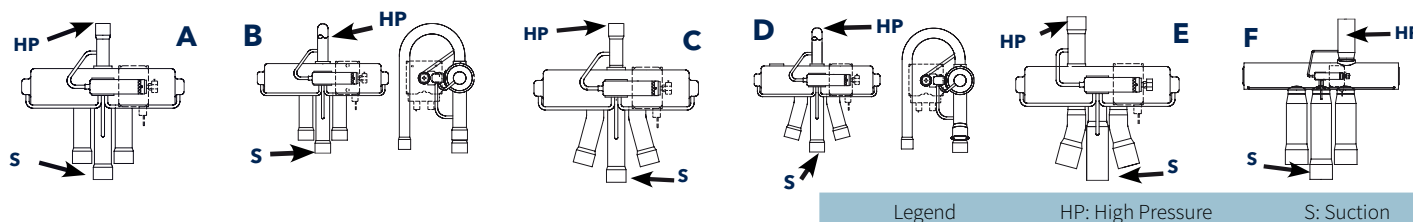
Specifications

Tonnage	2, 3, 6, 10, 12
Compatible Media	CFC, HCFC and HFC Refrigerants, such as R22, R32, R134A, R290, R404A, R407C, R410A, R454B
Operating Pressure	0 – 650 PSIG
Minimum ▲ Pressure to Reverse	40 PSI
Maximum ▲ Pressure to Reverse	450 PSI
Temperature Range	-22°F to 250°F (-30°C to 120°C)
Tube Styles	Straight Tube - A Straight Tube with Candy Cane - B Flare - C Flare with Candy Cane - D Offset with Flare - E Offset Straight - F
Tube Sizes	3/8" to 1-3/8"
Tube Material	Copper
Body Assembly	Hermetically Sealed Brass housing
Switching Mechanism	PTFE and Metal slide for smooth switching

Replacement Information

Part Numbers	Normal capacity	Tube Size Suction (Inches)	Tube Size Discharge (Inches)	Style	Replaces	
					Sanhua	Danfoss
V2-408060-170	2 tons	1/2	3/8	A	SHF(L)-7H-34-L1	STF-0209G
V2-408060-270	2 tons	1/2	3/8	B	SHF(L)-7H-34U-L1	STF-0201G
V2-4100F0-370	2 tons	5/8	3/8 OD	C		
V2-410060-470	2 tons	5/8	3/8	D	SHF(L)-7H-35U-L1	STF-0208G
V3-410080-770	3 tons	5/8	1/2	E	SHF(L)-11H-45D1-01	STF-0301G
V3-412080-870	3 tons	3/4	1/2	E	SHF(L)-11H-46D1-01	STF-0306G
V6-414120-170	6 tons	7/8	3/4	A	SHF-20D-67	STF-0712G
V6-412080-170	6 tons	3/4	1/2	A	SHF-20D-46	STF-0404G
V6-414080-170	6 tons	7/8	1/2	A	SHF-20D-47	STF-0409G
V10-414080-170	10 tons	7/8	1/2	A	SHF-35B-47	
V10-414120-170	10 tons	7/8	3/4	A	SHF-35B-67	
V10-414140-470	10 tons	7/8	7/8	A	SHF-35B-77	STF-0728G
V10-418140-170	10 tons	1-1/8	7/8	A	SHF-35B-79	STF-0715G
V12-4220T0-270	12 tons	1-3/8	1-1/8 OD	F	SHF-50-911D2	

Tube Style Drawings



LDK Series Reversing Valve Coils Replacement Information

Part Numbers	Description	Color Code	Lead Length	Electrical Rating	Power
LDK-110000-070	Solenoid Coils for Reversing Valves	Red	39.3" (1m)	24 VAC	5 Watts at 50 Hz, 4 Watts at 60 Hz
LDK-310000-070	Solenoid Coils for Reversing Valves	Black	39.3" (1m)	120 VAC	5 Watts at 50 Hz, 4 Watts at 60 Hz
LDK-410000-070	Solenoid Coils for Reversing Valves	Green	39.3" (1m)	208/240 VAC	5 Watts at 50 Hz, 4 Watts at 60 Hz
LDK-510000-070	Solenoid Coils for Reversing Valves	Blue	39.3" (1m)	277 VAC	5 Watts at 50 Hz, 4 Watts at 60 Hz

Note: Solenoid coils are not included with the reversing valve and are sold separately.