

M36 3-WAY SOLENOID VALVES

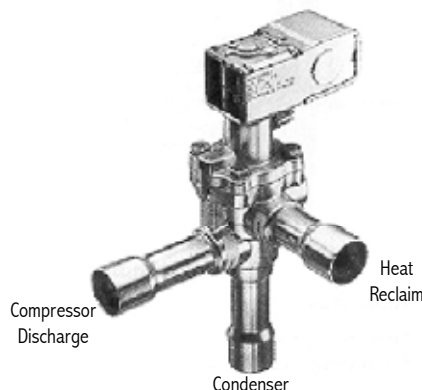
APPLICATION

- ☆ 3-Way heat reclaim application valve
- ☆ With the solenoid coil de-energized, the valve is in the normal operating mode and the refrigerant gas is diverted to the normal condenser
- ☆ During normal operation, the piston assembly is shifted upward, shutting the heat reclaim coil port and opening the normal condenser port
- ☆ For heat reclaim operation, the solenoid coil is energized and discharge gas is diverted to the auxiliary condenser

NOTE: Coil sold separately - see page 36 of the Catalogue. See Nomenclature for ordering information.

FEATURES AND SPECIFICATIONS

- ☆ Superior control in diverting discharge gas to an auxiliary condenser for heat reclaim
- ☆ Angle style connection
- ☆ Extended copper ends for easy brazing and installation
- ☆ High capacity, low pressure drop
- ☆ Rugged internal construction with heavy-duty forged brass bodies
- ☆ Pilot is field replaceable
- ☆ CUL file number: Pending
- ☆ CRN file number: Pending (see page A)



M36 VALVE REPAIR KIT

VALVE	PCN
M36	801440

ORDERING INFORMATION AND NOMINAL DISCHARGE CAPACITY TABLE FOR M36 VALVES - TONS (kW)

PCN	PRODUCT DESCRIPTION	CONNECTION SIZE	R-12	R-134a	R-22	R-407C	R-404A/R-507	R-502
801420	M36-078	7/8"	8.2 (28.9)	8.2 (28.9)	10 (35.1)	10 (35.1)	8.9 (31.3)	8.9 (31.3)
801421	M36-118	1 1/8"						

DISCHARGE GAS SERVICE									
REFRIGERANT	EVAPORATOR TEMPERATURE °F								
	40	30	20	10	0	-10	-20	-30	-40
R-12	1.00	0.98	0.96	0.93	0.91	0.88	0.86	0.83	0.81
R-22	1.00	0.98	0.96	0.94	0.92	0.9	0.88	0.87	0.83
R-134a	1.00	0.98	0.95	0.93	0.90	0.88	0.85	0.82	0.80
R-404A	1.00	0.97	0.94	0.91	0.88	0.85	0.81	0.78	0.75
R-407C	1.00	0.98	0.95	0.93	0.90	0.88	0.85	0.82	0.80
R-410A	1.00	0.98	0.97	0.95	0.93	0.91	0.89	0.85	0.84

All capacities and factors shown are based on normal condensing temperatures (100°F), isentropic compression plus 50°, 40°F evaporator, 65°F suction gas and saturated liquid entering an expansion device per ARI Standard 760-80. For capacities at other operating conditions, use the appropriate correction factor given in above table.