

22, 134a, 401A, 402A, 404A, 407C, 502, 507

Types B10 and E10 Series

Application

Types B10 and E10 Series are compact solenoid valves with pilot operated disc construction for refrigeration and air conditioning. These valves **may be mounted horizontally, on their side or in a vertical line.** They are suitable for suction line service because very low pressure differential, 1 psi, is required for full operation.

The **Type E10** series solenoid valves feature extended solder type connections as standard. One important benefit to the user is that all valves in the **"E10"** series can be installed without disassembly using either low or no silver content brazing alloy.

The MKC-2 and OMKC-2 coil are Class "F" temperature rated and are provided as standard, therefore a high temperature coil is not required for discharge service.

Ordering Instructions

When ordering complete valves, specify Valve Type, Connections, Voltage and Cycles.

When ordering Body Assembly, specify Valve Type and Connections.

When ordering Coil Assembly ONLY, specify Coil Type, Voltage and Cycles.

Example: MKC-2 120/50-60; OMKC-2 120/50-60.

Dimensions – Inches

VALVE SERIES	TYPE	A	*B	C		D		E
				NORMALLY CLOSED	NORMALLY OPEN	FITTING DEPTH		
						ODF	ODM	
B10	B10S2	3.25	0.59	3.15	3.44	0.62	0.50	-
	B10F2					-		
E10	E10S240	5.00	0.86	3.13	3.42	0.38	-	0.39
	E10S250	6.50				0.50		

*Add 1.12" for Valves with Manual Lift Stem.



Type MB10S2
Normally Closed

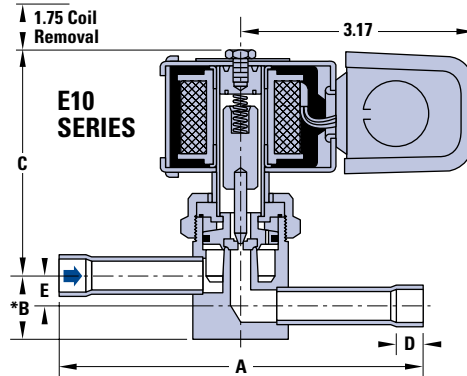
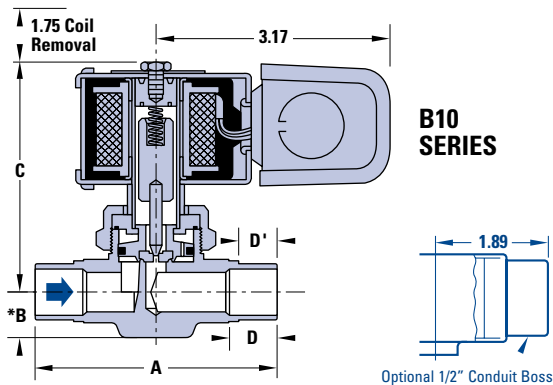


Type E10S250
Normally Closed



Type OB10S2
Normally Open

UL and CE Listed
CE Approved



Specifications – MKC-2 and OMKC-2 Coil

VALVE SERIES	TYPE	STANDARD CONNECTIONS Inches	PORT SIZE Inches	MOPD psi		NOMINAL LIQUID CAPACITIES Tons of Refrigeration								COIL RATINGS		
						REFRIGERANTS										
						22	134a	401A	402A	404A	407C	502	507			
						Pressure Drop – psi										
AC	DC	3	2	2	3	3	3	3	3	3	STANDARD VOLTS/CYCLES	WATTS				
											AC	DC				
B10	B10S2	5/8 ODF - 3/4 ODM	5/16	300	250	11.1	8.5	9.1	7.3	7.3	10.2	7.2	7.2	24/50-60 120/50-60 208-240/50-60 120-208-240/50-60	15	18
	MB10S2			300	250											
	B10F2	1/2 SAE Flare		300	250											
	MB10F2			300	250											
E10	E10S240	1/2 ODF X 1/2 ODF	300	250	11.1	8.5	9.1	7.3	7.3	10.2	7.2	7.2	24/50-60 120/50-60 208-240/50-60 120-208-240/50-60	15	18	
	ME10S240		300	250												
	OE10S240		275													
	E10S250	5/8 ODF X 5/8 ODF	300	250												
	ME10S250		300	250												
	OE10S250		275													

- Maximum rated pressure 500 psi.
- Dual voltage 4-wire coils, 120-208-240/50-60 are available at slight additional cost. For other voltages and cycles, consult Sporlan, Washington, MO 63090.
- See Pages 19 and 20 for water and steam valves.

- Available with conduit boss or junction box at no extra charge.
- For capacity at other pressure drops, see Pages 4 and 5.
- For mounting holes and/or bracket information see Bulletin 30-11.