

# Types B25 and E25 Series

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



Type MB25S2  
Normally Closed



Type E25S290  
Normally Closed



Type OB25S2  
Normally Open

UL and SR Listed  
CE Approved

## Application

**Types B25 and E25 Series** are pilot operated solenoid valves for refrigeration and air conditioning applications. They are suitable for suction service because very low pressure differential, 1 psi, is required for full operation. These valves **may be mounted horizontally, on their side or in a vertical line.**

The **Type E25** series solenoid valves feature extended solder type connections as standard. One important benefit to the user is that all valves in the **"E25"** series can be installed without disassembly using either low or no silver content brazing alloy.

The MKC-2 and OMKC-2 coils 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.

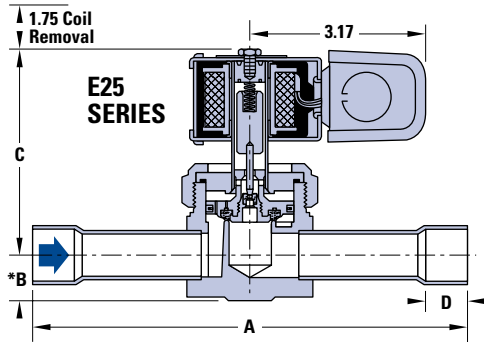
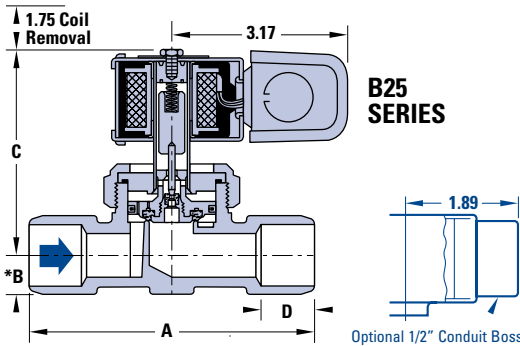
When ordering Coil Assembly ONLY, specify Coil Type, Voltage and Cycles.

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

## Dimensions – Inches

VALVE SERIES	TYPE	A	*B	C		D	
				NORMALLY CLOSED	NORMALLY OPEN		
							FITTING DEPTH
							ODF
B25	B25P2	3.50					–
	B25S2	7/8 ODF	4.88	0.72	3.78	4.06	0.75
		1-1/8 ODF					0.91
E25	E25S270	7.50					0.75
	E25S290	8.50					0.91

\*Add 1.12" for Valves with Manual Lift Stem.



## Specifications – MKC-2 and OMKC-2 Coil

VALVE SERIES	TYPE	CONNECTIONS Inches Sizes shown in BLUE will be furnished unless otherwise specified.	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	
B25	B25S2	1-1/8 ODF Solder	25/32	300	250	41.4	31.5	33.8	27.3	27.4	38.0	26.8	26.8	24/50-60 120/50-60 208-240/50-60 120-208-240/50-60	15	18
	MB25S2	7/8 ODF – 1-1/8 ODM & 1-1/8 ODF Solder														
	OB25S2	1-1/8 ODF Solder														
E25	E25S270	7/8 ODF X 7/8 ODF	25/32	300	250	41.4	31.5	33.8	27.3	27.4	38.0	26.8	26.8	24/50-60 120/50-60 208-240/50-60 120-208-240/50-60	15	18
	ME25S270															
	OE25S270															
	E25S290	1-1/8 ODF X 1-1/8 ODF														
	ME25S290															
OE25S290																

- 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.