

# Air Conditioning & Refrigeration Controls

## THERMOSTATIC EXPANSION VALVES

### Sporlan "O" Series Expansion Valves



Sporlan Type O valve is a brass bar body, externally adjustable valve with ODF solder connections. The thermostatic element is replaceable, and the inlet connection has a permanent 12 mesh strainer. This valve type features a balanced port construction, and it is designed for both air conditioning and refrigeration applications. A synthetic seating surface provides tight shut-off during system off periods. This valve type has two body styles: a small body which provides capacities up to 30 tons R-22, and a large body which extends capacities to 70 tons R-22.

**Features:**

- Balanced port construction
- External equalizer with 1/4" ODF connection
- Connections in straight through flow configuration
- Remote bulb tubing length 60" (152 cm)
- Standard factory air test superheat setting at 7° F

SOURCE 1 PART NO.	SPORLAN PART NO.	REFRIGERANT	CAPACITY RANGE TONS	CONNECTION SIZE		SHIP WT. (LBS)	MLP \$
				INLET	OUTLET		
S1-124226	OVE-15-GA-7/8 X 1-1/8 X 1/4 X 5'	R22	15	7/8 ODF	1-1/8 ODF	3.00	
S1-124233	OVE-20-GA-7/8 X 1-3/8 X 1/4 X 5'	R22	20	7/8 ODF	1-3/8 ODF	3.00	
S1-124240	OVE-30-GA-1-1/8 X 1-3/8 X 1/4 X 5'	R22	30	1-1/8 ODF	1-3/8 ODF	3.00	
S1-124247	OVE-40-GA-1-1/8 X 1-3/8 X 1/4 X 5'	R22	40	1-1/8 ODF	1-3/8 ODF	5.00	
S1-124261	OVE-55-GA-1-1/8 X 1-3/8 X 1/4 X 5'	R22	55	1-1/8 ODF	1-3/8 ODF	5.00	
S1-125396	OZE-20-GA, 7 X 9 ODF, 60"	R410A	20	7/8 ODF	1-3/8 ODF	3.00	

### Sporlan "S" Series Expansion Valves



Sporlan Type S valve is a brass bar body, externally adjustable valve with ODF solder connections. The thermostatic element is replaceable and the inlet connection has a permanent 12 mesh strainer. This valve is designed for both air conditioning and refrigeration applications.

**Features:**

- External equalizer with 1/4" ODF connection
- Connections in straight through flow configuration
- Remote bulb tubing length 60" (152 cm)
- Standard factory air test superheat setting at 7° F

SOURCE 1 PART NO.	SPORLAN PART NO.	REFRIGERANT	CAPACITY RANGE TONS	CONNECTION SIZE		SHIP WT. (LBS)	MLP \$
				INLET	OUTLET		
S1-129054	SVE-2-GA-1/2 X 5/8 X 1/4 X 5'	R22	2	1/2 ODF	5/8 ODF	3.00	
S1-129118	SVE-3-GA-1/2 X 5/8 X 1/4 X 5'	R22	3	1/2 ODF	5/8 ODF	3.00	
S1-129201	SVE-4-GA-1/2 X 7/8 X 1/4 X 5'	R22	4	1/2 ODF	7/8 ODF	3.00	
S1-129334	SVE-8-GA-5/8 X 7/8 X 1/4 X 5'	R22	8	5/8 ODF	7/8 ODF	3.00	
S1-129383	SVE-10-GA-5/8 X 7/8 X 1/4 X 5'	R22	10	5/8 ODF	7/8 ODF	3.00	

### Sporlan EBSVE Series Expansion Valves



**Features:**

- Brass body
- Balanced port construction
- Extended ODF solder connections
- Suitable for large A/C applications which operate over widely-varying conditions
- Long-lasting stainless steel diaphragm
- Externally adjustable superheat

SOURCE 1 PART NO.	SPORLAN PART NO.	REFRIGERANT	CAPACITY RANGE TONS	CONNECTION SIZE		SHIP WT. (LBS)	MLP \$
				INLET	OUTLET		
S1-163556	EBSVE-8-GA, 5/8 X 7/8 ODF, 60"	R22	8	5/8	7/8	1.5	
S1-163773	EBSVE-11-GA, 5/8 X 7/8 ODF, 60"	R22	11	5/8	7/8	1.5	

### Sporlan ERZE Series Expansion Valves



Sporlan RZE Series Expansion Valves The RZE valve is an externally adjustable balance ported TEV designed for R-410A air conditioning applications. This makes the RZE valve an excellent replacement for all OEM BI and BBI valves as well as other applications requiring a R-410A expansion valve such as I and RI valves. The RZE valve utilizes the KT-45 element design for the higher pressures of R-410A. This valve may also be applied in bi-directional applications.

SOURCE 1 PART NO.	SPORLAN PART NO.	REFRIGERANT	CAPACITY RANGE TONS	CONNECTION SIZE		SHIP WT. (LBS)	MLP \$
				INLET	OUTLET		
S1-168719	ERZE-8-GA, 5 X 7 ODF	R410A	8	5/8	7/8	1.5	
S1-168720	ERZE-15-GA, 5 X 7 ODF	R410A	15	5/8	7/8	1.5	
S1-168794	ERZE-6-GA	R410A	6	1/2	5/8		
S1-168802	ERZE-12.5-GA, 5 X 9 ODF	R410A	12.5	5/8	1-1/8	1.5	

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### THERMOSTATIC EXPANSION VALVES

#### Sporlan RC Series Expansion Valves



Small brass body, externally adjustable valve available for R-22 and R-410 air conditioning and heat pump applications. The valve contains an internal check valve to eliminate the need for external bypass check valve on heat pump applications. Suitable for replacing OEM type TEVs with or without internal check valve on these applications.

SOURCE 1 PART NO.	SPORLAN PART NO.	REFRIGERANT	CAPACITY RANGE TONS	CONNECTION SIZE		SHIP WT. (LBS)	MLP \$
				INLET	OUTLET		
S1-151245	RCVE-3-GA,3/8 X 1/2 ODF,30"	R22	3	3/8	1/2	1.5	
S1-151252	RCVE-4-GA,1/2 X 1/2 ODF,30"	R22	4	1/2	1/2	1.5	
S1-151253	RCVE-2-GA,3/8 X 1/2 SAE,30"	R22	2	3/8	1/2	1.5	
S1-151258	RCVE-5-GA,1/2 X 1/2 ODF,30"	R22	5	1/2	1/2	1.5	
S1-151265	RCVE-2-GA,3/8 X 1/2 ODF,30"	R22	2	3/8	1/2	1.5	
S1-151270	RCVE-5-GA,1/2 X 1/2 SAE,30"	R22	5	1/2	1/2	1.5	
S1-151277	RCVE-3-GA,3/8 X 1/2 SAE,30"	R22	3	3/8	1/2	1.5	
S1-151365	RCZE-2-GA,3/8 X 1/2 ODF,30"	R410A	2	3/8	1/2	1.5	
S1-151366	RCZE-3-GA,3/8 X 1/2 ODF,30"	R410A	3	3/8	1/2	1.5	
S1-151368	RCZE-4-GA,1/2 X 1/2 ODF,30"	R410A	4	1/2	1/2	1.5	
S1-151492	RCZE-5-GA,1/2 X 1/2 ODF,30"	R410A	5	1/2	1/2	1.5	

### SOLENOID VALVES AND COILS

#### Sporlan "E" Series Solenoid Valves



**Features:**

- Solenoid Valve Coil not included
- Extended connections
- Normally closed

**Application:**

- Mounted vertical, horizontal, or side
- Installation without disassembly

SOURCE 1 PART NO.	SPORLAN PART NO.	REFRIGERANT	CONN	PORT SIZE	NOMINAL CAPACITY @ 2 PSI	DIM				SHIP WT. (LBS)	USE COIL KIT	MLP \$
						A	B	C	D			
S1-3217-00	E3S120	R-22	1/4 ODF	0.094	1.3	4.63	0.55	2.04	0.29	1	MKC-1	
S1-3227-00	E3S130	R-22	3/8 ODF	0.094	1.3	4.56	0.49	2.1	0.19	2	MKC-1	
S1-3233-00	E6S130-HP	R410A	3/8 ODF	0.188	4	4.63	0.75	2.44	0.31	1.2	MKC-1	
S1-3246-00	E5S130	R-22	3/8 ODF	0.156	2.8	4.56	0.53	2.48	0.23	1.2	MKC-1	
S1-3284-00	E6S130	R-22	3/8 ODF	0.188	4	4.63	0.75	2.44	0.31	1.2	MKC-1	
S1-3291-00	E6S140	R-22	1/2 ODF	0.188	4	5	0.75	2.44	0.31	1.2	MKC-1	
S1-3368-00	E9S240	R-22	1/2 ODF	0.281	6.6	5	0.75	2.7	0.31	1.7	MKC-2	
S1-3402-00	E9S250-HP	R410A	5/8 ODF	0.281	6.6	6.5	0.69	2.24	0.31	1.7	MKC-2	
S1-3441-00	E10S250	R-22	5/8 ODF	0.313	9.1	6.5	0.86	3.13	0.39	2.3	MKC-2	
S1-3505-00	E14S250	R-22	5/8 ODF	0.438	12.9	6.88	0.47	3.25	—	2.3	MKC-2	
S1-3525-00	E10S240-HP	R410A	1/2 ODF	0.313	9.1	5	0.86	3.13	0.39	2.3	MKC-2	
S1-3576-00	E19S270	R-22	7/8 ODF	0.594	19.8	7.13	0.81	3.41	—	2.6	MKC-2	
S1-4033-00	E9S240-HP	R410A	1/2 ODF	0.281	6.6	5	0.75	2.7	0.31	1.7	MKC-2	
S1-4077-00	E19S270-HP	R410A	7/8 ODF	0.594	19.8	7.13	0.81	3.41	—	2.6	MKC-2	
S1-4079-00	E5S130-HP	R410A	3/8 ODF	0.156	2.8	4.56	0.53	2.48	0.23	1.2	MKC-1	
S1-4100-00	E14S250-HP	R410A	5/8 ODF	0.438	12.9	6.88	0.47	3.25	—	2.3	MKC-2	
S1-4101-00	E2S120-HP	R410A	1/4 ODF	0.075	0.95	4.63	0.55	1.96	0.31	1	MKC-1	

#### Sporlan "CE6-HP" Series Solenoid Valves



For Refrigerants 22, 134a, 401A, 402A, 404A, 407C, 407F, 410A, 507

- Bi-Directional Solenoid Valve
- Supermarket Pumpdown Control
- Prevents Heat Pump Refrigerant Migration
- Extended Solder Type Connections
- MKC-1 Coil, Class F

SOURCE 1 PART NO.	SPORLAN PART NO.	REFRIGERANT	CONN	PORT SIZE	USE COIL KIT	MLP \$
S1-SV-4054-00	CE6S130-HP	ALL COMMON CFC, HCFC, HFC	3/8 ODF	0.197"	MKC-1	