

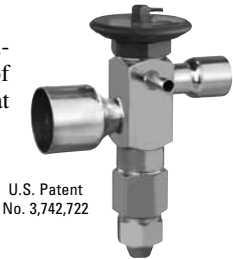
THERMOSTATIC EXPANSION VALVES
22, 134a, 404A, 407C, 409A, 410A, 507

Type 0
Standard Cap Tube Length 60 inches (1.5 m)

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 133 kW R-407C, and a large body which extends capacities to 315 kW R-407C.

The valve can also be ordered as a bi-directional valve, allowing control of flow in both directions for use on heat pump applications.



U.S. Patent
No. 3,742,722

Specifications
— Element Size No. 83, No. 33, No. 85 (R-410A), and No. 85-3 (R-410A), Knife Edge Joint

REFRIGERANT (Sporlan Code)	VALVE TYPE	NOMINAL CAPACITY kW of Refrigeration	THERMOSTATIC ELEMENT SIZE NO.	THERMOSTATIC CHARGES AVAILABLE	STANDARD TUBING LENGTH m	CONNECTIONS - Inches ② ODF Solder		NET WEIGHT - kg	SHIPPING WEIGHT - kg
	① EXTERNAL EQUALIZER					Blue figures are standard and will be furnished unless otherwise specified.			
						INLET	OUTLET		
134a (J) 409A (F)	OJE-12	42	83	*Refer to Recommended Thermostatic Charges on page 3	1.5	7/8	1-1/8	0.9	1.4
	OJE-16	56					1-3/8		
	OJE-23	81				1-1/8	1-3/8 or 1-5/8	1.8	2.3
	OJE-32	112							
	OJE-38	133	33						
	OJE-40	140							
404A (S) 507 (P)	OSE-12	42	83			7/8	1-1/8	0.9	1.4
	OSE-21	74					1-3/8		
	OSE-30	105				1-1/8	1-3/8 or 1-5/8	1.8	2.3
	OSE-35	123							
	OSE-38	133	33						
	OSE-45	158							
407C (N) 22 (V)	ONE-20	70	83			7/8	1-1/8	0.9	1.4
	ONE-30	105					1-3/8		
	ONE-38	133	33-8			1-1/8	1-3/8 or 1-5/8	1.8	2.3
	ONE-40	140							
	ONE-55	193							
	ONE-70	215							
ONE-90	315	63-3							
410A (Z)	OZE-20	70	85			7/8	1-1/8	0.9	1.4
	OZE-25	84					1-1/8		
	OZE-35	116				1-3/8			
	OZE-50	175	85-3						
	OZE-60	210							

① Standard External Equalizer Connection 1/4" ODF Solder, 1/4" SAE flare connection available on request.

② ODF Solder indicates a female connection on the valve of proper diameter to receive copper tubing of corresponding OD size. Thus 5/8" ODF will receive 5/8" OD tubing.

* X charge not available.

O – Valve Nomenclature/Ordering Instructions

O	V	E	—	B	—	20	—	GA	X	7/8"	X	1-3/8"	X	1/4"	X	5'
Valve Type	Refrigerant Code	External Equalizer		Optional Bi-Directional Feature		Nominal Capacity		Thermostatic Charge		Inlet Connection Size		Outlet Connection Size		External Equalizer Connection Size		Capillary Tubing Length Inches or Feet