

THERMOSTATIC EXPANSION VALVES

22, 134a, 407C, 409A

Type W

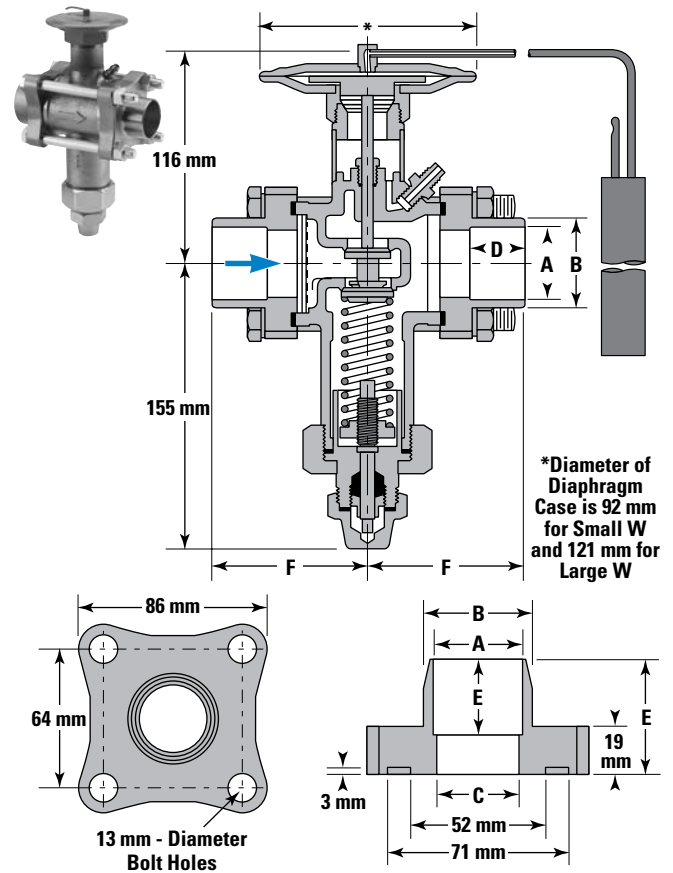
Cast bronze body, externally adjustable valve with flange connections. Inlet has a 12 mesh strainer. This valve type features a dual port semi-balanced design and it is primarily for large capacity chillers. This valve type provides the largest valve capacities available for flange connection TEVs.

Dimensions — Connections

VALVE TYPE	FITTING SIZE	mm					
		A	B	C	D	E	F
W	1-1/8	28	32	27	23	40	78
	1-3/8	35	39	33	25	41	80
	1-5/8	41	45	38	28	44	83
	2-1/8	54	62	49	34	39	83

Bulb Sizes

STANDARD CHARGES	ELEMENT SIZE NUMBER	REFRIGERANT	
		22	134a
C	63	22 OD x 152	
Z & ZP Series		22 OD x 152	—
X		22 OD x 152	—
CP Series		19 OD x 102	
VGA	7	19 OD x 102	—
G		19 OD x 102	—



Specifications – Element Size No. 63, Small Capacity No. 7 Large Capacity – Gasket Joint, Standard Tubing Length 3 Meters[ⓐ]
 Flange Ring Size – 2-3/4" OD x 2-3/16" ID.

REFRIGERANT (Sporlan Code)	TYPE & CAPACITY	ELEMENT SIZE NUMBER	THERMOSTATIC CHARGES AVAILABLE	①STANDARD CONNECTIONS Inches	
	②EXTERNAL EQUALIZER			③ODF SOLDER FLANGE	INLET
134a (J) 409A (F)	WJE-80	63	④	1-5/8	2-1/8
	WJE-110	7	G only		
407C (N) 22 (V)	WNE-135	63	④		
	WNE-180	7	G only		

① Connections shown are most readily available. Connections shown in Bulletin 10-10 are also available on special order.
 ② Standard External Equalizer Connection 1/4" SAE Flare, 1/4" ODF Solder connection available on request.
 ③ ODF Solder indicates a female connection on the valve of proper diameter to receive copper tubing of corresponding OD size. Thus 1/2" ODF will receive 1/2" OD tubing.
 ④ Refer to Recommended Thermostatic Charges, Page 3.
 ⑤ Tubing lengths other than standard available upon special order at an additional cost.
 NOTE: The W valve is not available for R-410A.
 External Equalizer Connection is required whenever valves are used with Sporlan Refrigerant Distributors.