

▼ TYPE SBF & EBF

For Refrigerants 22, 134a, 404A, 507
Extended Solder Connections

Sporlan Types SBF & EBF are small brass bar body valves with Extended ODF solder connections and the same balanced port construction as the Type BF valve. Both valves have replaceable thermostatic elements. The Type EBF has a 100 mesh insert strainer. The Type SBF has a 100 mesh removable strainer that can be cleaned and/or replaced while the valve is still soldered to the system tubing. The balanced port construction makes these valves ideally suited for small

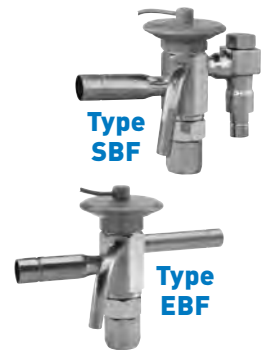
capacity refrigeration applications which operate over widely varying conditions.

Outlet Connections

1/2" ODF, 5/8" ODF

Mating Distributors (See Bulletin 20-10)

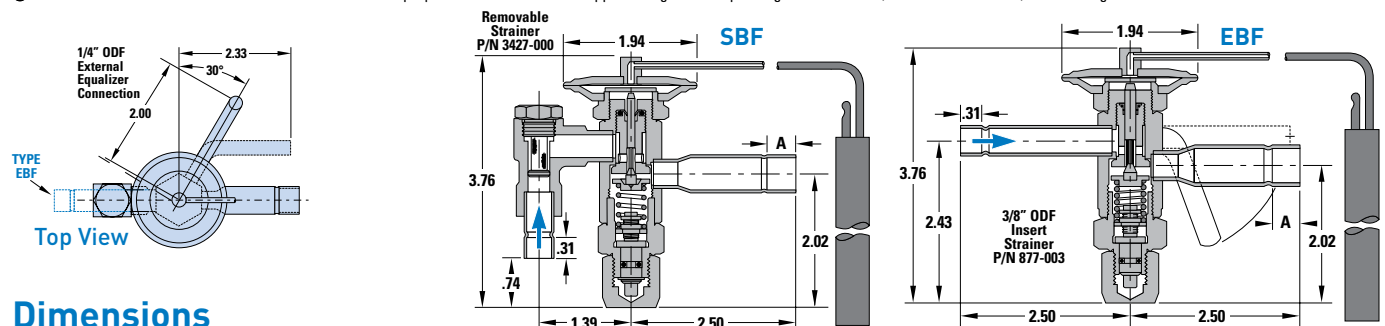
D260, D262, 1620, 1622, 1651(R)



Specifications – Element Size No. 43, Knife Edge Joint

REFRIGERANT (Sporlan Code)	TYPE SBF		TYPE EBF		PORT SIZE	NOMINAL CAPACITY RANGE Tons of Refrigeration	THERMOSTATIC CHARGES AVAILABLE	STANDARD TUBING LENGTH Inches	CONNECTIONS - Inches ① Extended ODF Solder Blue figures are standard and will be furnished unless otherwise specified.			NET WEIGHT - lbs.	SHIPPING WEIGHT - lbs.
	Extended ODF Solder with replaceable strainer		Extended ODF Solder						INLET	OUTLET	EXTERNAL EQUALIZER		
	Internal Equalizer	External Equalizer	Internal Equalizer	External Equalizer									
22 (V) 407C (N) 407A (V) 422D (V)	SBFV-AAA	SBFVE-AAA	EBFV-AAA	EBFVE-AAA	AAA	1/8 thru 1/3	C Z ZP40	30	3/8	1/2 or 5/8	1/4 Pointed Toward Bottom Cap or Parallel to Outlet Connection	1	1-1/2
	SBFV-AA	SBFVE-AA	EBFV-AA	EBFVE-AA	AA	1/2 thru 2/3							
	SBFV-A	SBFVE-A	EBFV-A	EBFVE-A	A	3/4 thru 1-1/2							
	SBFV-B	SBFVE-B	EBFV-B	EBFVE-B	B	1-3/4 thru 3							
	SBFV-C	SBFVE-C	EBFV-C	EBFVE-C	C	3-1/4 thru 5-1/2							
134a (J) 12 (F) 401A (X) 409A (F)	SBFJ-AAA	SBFJE-AAA	EBFJ-AAA	EBFJE-AAA	AAA	1/8 thru 1/5	C						
	SBFJ-AA	SBFJE-AA	EBFJ-AA	EBFJE-AA	AA	1/4 thru 1/3							
	SBFJ-A	SBFJE-A	EBFJ-A	EBFJE-A	A	1/2 thru 1							
	SBFJ-B	SBFJE-B	EBFJ-B	EBFJE-B	B	1-1/4 thru 1-3/4							
	SBFJ-C	SBFJE-C	EBFJ-C	EBFJE-C	C	2 thru 3							
404A (S) 502 (R) 408A (R)	SBFS-AAA	SBFSE-AAA	EBFS-AAA	EBFSE-AAA	AAA	1/8 thru 1/5	C Z ZP						
	SBFS-AA	SBFSE-AA	EBFS-AA	EBFSE-AA	AA	1/4 thru 1/3							
	SBFS-A	SBFSE-A	EBFS-A	EBFSE-A	A	1/2 thru 1							
	SBFS-B	SBFSE-B	EBFS-B	EBFSE-B	B	1-1/4 thru 2							
	SBFS-C	SBFSE-C	EBFS-C	EBFSE-C	C	2-1/4 thru 3							
507 (P) 402A (L)	SBFP-AAA	SBFPE-AAA	EBFP-AAA	EBFPE-AAA	AAA	1/8 thru 1/5	C Z ZP						
	SBFP-AA	SBFPE-AA	EBFP-AA	EBFPE-AA	AA	1/4 thru 1/3							
	SBFP-A	SBFPE-A	EBFP-A	EBFPE-A	A	1/2 thru 1							
	SBFP-B	SBFPE-B	EBFP-B	EBFPE-B	B	1-1/4 thru 2							
	SBFP-C	SBFPE-C	EBFP-C	EBFPE-C	C	2-1/4 thru 3							

① 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.



Dimensions

CONNECTIONS - Inches

OUTLET FITTING SIZE	A	STANDARD CHARGES	REFRIGERANT			
1/2	0.40	C	22	134a	404A	507
5/8	0.50		0.50 OD x 3.00	—	0.50 OD x 3.00	—

Bulb Sizes - Inches

STANDARD CHARGES	REFRIGERANT			
Z & ZP Series	22	134a	404A	507
	0.50 OD x 3.00	—	0.50 OD x 3.00	—