▼ TYPE **F & EF**

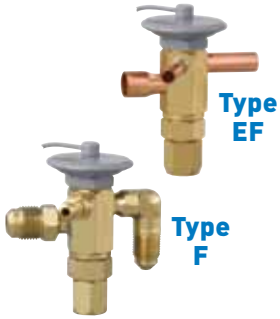
For Refrigerants 22, 134a, 404A, 507
SAE Flare & ODF Solder Connections

Sporlan Type F with SAE flare connections or Type EF with ODF solder connections are small brass bar body valves with identical internal construction and replaceable thermostatic elements. The Type F valve has a removable 100 mesh strainer as a standard feature. The Type EF has a 60 x 50 mesh insert strainer. These valves are designed for small refrigeration systems such as refrigerated cases, coolers, and freezers where space is limited and an external adjustment is desired.

Outlet Connections
3/8" SAE, 1/2" SAE, 3/8" ODF, 1/2" ODF

Mating Distributors (See Bulletin 20-10)
D260, D262, 1603, 1605, 1606, 1608, 1650(R)

For complete details of construction, see page 35.



SPECIFICATIONS ELEMENT SIZE NO. 43, KNIFE EDGE JOINT

REFRIGERANT (Sporlan Code)	TYPE F SAE Flare		TYPE EF ODF Solder		NOMINAL CAPACITY Tons of Refrigeration	THERMOSTATIC CHARGES AVAILABLE	STANDARD TUBING LENGTH	CONNECTIONS - Inches SAE Flare / ② ODF Solder. Blue figures are standard and will be furnished unless otherwise specified.		NET WEIGHT	SHIPPING WEIGHT
	Internal Equalizer	External Equalizer	Internal Equalizer	External Equalizer				INLET	OUTLET		
22 (V) 407C (N) 407A (V) 422D (V)	FV-1/5	FVE-1/5	EFV-1/5	EFVE-1/5	1/5	C Z ZP40	30 in. 760 mm	1/4 or 3/8 ①	3/8 or 1/2	1 lb. 454 g	1-1/2 lbs. 680 g
	FV-1/3	FVE-1/3	EFV-1/3	EFVE-1/3	1/3						
	FV-1/2	FVE-1/2	EFV-1/2	EFVE-1/2	1/2						
	FV-1	FVE-1	EFV-1	EFVE-1	1						
	FV-1-1/2	FVE-1-1/2	EFV-1-1/2	EFVE-1-1/2	1-1/2			3/8 ③	1/2		
	–	FVE-2	–	EFVE-2	2						
	FV-2-1/2	–	EFV-2-1/2	–	2-1/2						
	–	–	–	EFVE-3	3						
134a (J) 12 (F) 401A (X) 409A (F)	FJ-1/8	FJE-1/8	EFJ-1/8	EFJE-1/8	1/8	C		1/4 or 3/8 ①	3/8 or 1/2		
	FJ-1/6	FJE-1/6	EFJ-1/6	EFJE-1/6	1/6						
	FJ-1/4	FJE-1/4	EFJ-1/4	EFJE-1/4	1/4						
	FJ-1/2	FJE-1/2	EFJ-1/2	EFJE-1/2	1/2						
	FJ-1	FJE-1	EFJ-1	EFJE-1	1			3/8 ③	1/2		
	FJ-1-1/2	FJE-1-1/2	EFJ-1-1/2	EFJE-1-1/2	1-1/2						
	–	FJE-2	–	EFJE-2	2						
404A (S) 502 (R) 408A (R)	FS-1/8	FSE-1/8	EFS-1/8	EFSE-1/8	1/8	C Z ZP40		1/4 or 3/8 ①	3/8 or 1/2		
	FS-1/6	FSE-1/6	EFS-1/6	EFSE-1/6	1/6						
	FS-1/4	FSE-1/4	EFS-1/4	EFSE-1/4	1/4						
	FS-1/2	FSE-1/2	EFS-1/2	EFSE-1/2	1/2						
	FS-1	FSE-1	EFS-1	EFSE-1	1			3/8 ③	1/2		
	FS-1-1/2	FSE-1-1/2	EFS-1-1/2	EFSE-1-1/2	1-1/2						
	–	FSE-2	–	EFSE-2	2						
507 (P) 402A (L)	FP-1/8	FPE-1/8	EFP-1/8	EFPE-1/8	1/8	C Z ZP40		1/4 or 3/8 ①	3/8 or 1/2		
	FP-1/6	FPE-1/6	EFP-1/6	EFPE-1/6	1/6						
	FP-1/4	FPE-1/4	EFP-1/4	EFPE-1/4	1/4						
	FP-1/2	FPE-1/2	EFP-1/2	EFPE-1/2	1/2						
	FP-1	FPE-1	EFP-1	EFPE-1	1			3/8 ③	1/2		
	FP-1-1/2	FPE-1-1/2	EFP-1-1/2	EFPE-1-1/2	1-1/2						
	–	FPE-2	–	EFPE-2	2						

① The 3/8" SAE inlet fitting has a long taper on the flare surface. A 3/8" x 1/4" reducing flare nut will allow 1/4" OD tubing to be attached to this fitting.
② ODF Solder on Type EF valves 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.
③ Nominal 1 ton and larger F valves for R-134a, R-404A and R-507 type refrigerants, and nominal 1-1/2 ton and larger for R-22 refrigerant require 3/8" SAE Flare or 3/8" ODF inlet, minimum.

TYPE **F & EF**

For Refrigerants 22, 134a, 404A, 507
SAE Flare & ODF Solder Connections

SAE FLARE

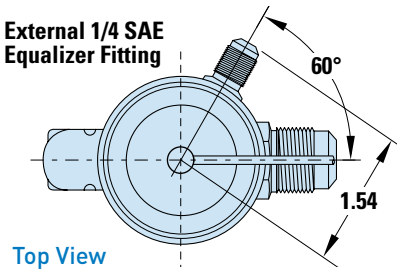
DIMENSIONS

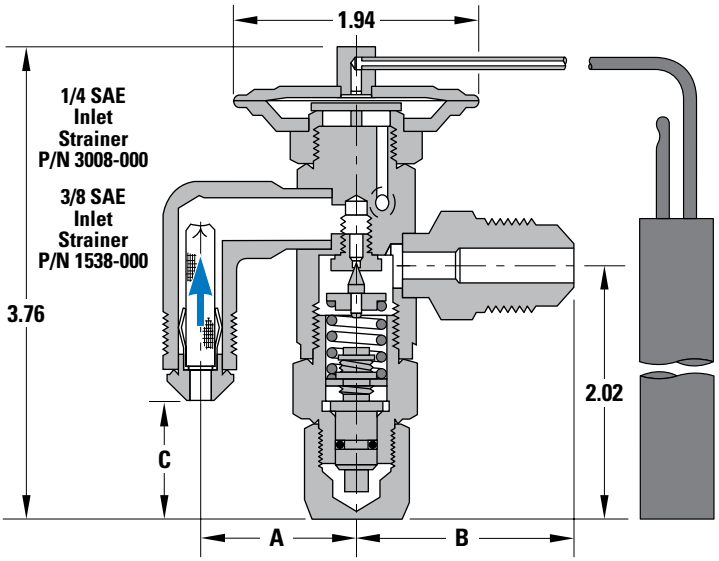
SAE CONNECTIONS - Inches

FITTING SIZE	A	B	C
1/4 SAE Elbow	1.05	–	1.34
3/8 SAE Elbow	1.27	–	0.98
3/8 SAE	–	1.61	–
1/2 SAE	–	1.80	–

BULB SIZES - Inches

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





ODF SOLDER

DIMENSIONS

ODF CONNECTIONS - Inches

FITTING SIZE	A	B	C
1/4 ODF	1.69	–	0.31
3/8 ODF	1.69	1.35	0.31
1/2 ODF	–	1.35	0.40

BULB SIZES - Inches

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

