

Flow Safe Assembly Part Numbers (All series)



S 8 4 4 B - 0 5 M N 0 - 0 1 F N 0 - C S - S S - K T N S _ _

[Notes 1, 2]

MV seat & seals

- N = NACE trim
- L = lift lever
- P = BFP
- T = FTC (T1= SS for F70PR)
- F = pilot inlet filter
- S = short NPT inlet (F80/ F88/ F84L - 4/-6/-8)
- K = F500 set point ind.
- M = manual blowdown

Options / Accessories

- E = electropolished inlet
- C = cryo block
- D = closed dome tee
- Y = Swagelok fittings
- A = NO solenoid
- B = NC solenoid
- G = lift indicator (rod)
- H = lift indicator (DP switch)
- O (letter) = dual pilots
- R = remote sense
- DR = Dresser dims. (F80)
- J = F100 PV with F70VP
- Q = ESD dump valve
- U = surge suppressor
- V = Harguard clean pilot supply
- W = F80M with whistle
- X = F70U speed controller
- Z = add'l welded fitting(s)

Trim material – see body, plus:

- S1 = SS piston, retainer for F70PR/VP
- S2 = SS piston, retainer, liner for F70PR/VP
- S3 = SS pilot on F70PR
- S5 = F7100 w/ alum. piston, CS liner, SS retainer, SS F100 pilot

- DD = Duplex SS MV trim with Duplex pilot [Note 2]
- DN = Duplex SS MV trim with Inconel pilot [Note 2]
- DS = Duplex SS MV trim with SS pilot
- SM = SS + Monel
- S6 = F7100 w/ alum. F100 pilot
- S8 = F7000 w/ SS liner, SS retainer, alum. piston

Body material:

- SS = 316 SS / CF8M
- SL = 316L SS / CF3M
- CS = standard CS
- CL = low-temp. CS
- AL = Aluminum
- D4 = 22% Cr duplex
- D6 = 25% Cr duplex
- C3 = LC3 CS
- N5 = Inconel 625
- N0 = Inconel 600
- MO = Monel
- BR = Brass
- H2 = Hast. C/C22
- H6 = Hast. C276
- 6M = 6 Mo (254 SMO)

Outlet rating
(see inlet rating)

Conn. type (see below)

Outlet size (see inlet size)

Inlet rating: 1 = 150# 2 = 300# 3 = 600# 4 = 900# 5 = 1500# 6 = 2500#
0 = thread / VCR / Grayloc on F80/84L/88 [Note 3] 7 = 5000 (API) 8 = 10000 (API)

Conn. type:

- MN = male NPT
- FN = female NPT
- MV = male VCR
- FV = female VCR
- EF = metric RF flange
- RF = RF flange
- RJ = RTJ flange
- DF = Dual RF flange [Note 4]
- DJ = Dual RTJ flange [Note 4]
- EJ = metric RTJ flange
- LJ = lap joint RF flange
- FM = female MS
- FS = female SAE
- MS = male SAE
- BP = female BSPP threads
- MP = male BSPP threads
- MT = male BSPT threads
- SN = sanitary
- SL = Swagelok fitting
- SW = socket weld
- ST = small tongue (T&G)
- BW = butt weld
- AN = AN flare
- GR = Grayloc hub
- TC = Autoclave/Butech
- TK = Techlok hub
- S2 = SAE J518 Code 62
- AP = API flange
- LF = large female (flange)

Inlet size: 05 = 1/2" 01 = 1" 02 = 2" 04 = 4" 08 = 8" 12 = 12" Special: 14 = 1/4" 91 = 9/16"
34 = 3/4" 15 = 1-1/2" 03 = 3" 06 = 6" 10 = 10" 16 = 16" 38 = 3/8" 25 = 2-1/2"

Body size for F80's:

- M = Micro
- P = 2-pc. Micro
- H = HP Micro cast.
- B = B body
- C = C body (all F84/F85, F84L/F88-3/4/8 to 720 psig)
- D = D body (short bonnet)
- E = E body (short bonnet)
- X = XL bonnet (D, E, F84L-4/8 from 721 – 4292 psi, F84L-2 above 15,538 psi)
- Z = XXL (F84L-3/4 > 4292 psi)

Model – F80 (84 = F84; 85 = F85; 8L = F84L; 88 = F88) + orifice
or 725, 825, 734, 754, etc. (F7000 / F8000, pilot type, seat type)
or 70H = F70PR-HP; 70L = F70PR-LP; 70V = F70VP
or 705 = F70U
or 905 = F9000 (w/ O-ring seat)

- Notes:
1. Be careful of "0" (zero) and "O" when entering. Due to 30-digit limit, option codes may need to be limited to most significant items.
 2. Duplex trim / pilot will normally match grade of main valve body.
 3. For Grayloc on POSRV, use rating code for equivalent flange.
 4. Dual outlets available on F7000/8000 air / gas / vapor only.

- S = Spring-op valve
- P = Pilot-op valve or surge relief (PM = 'marine')
- U = Unloader

Flow Safe Assembly Part Numbers (Spring-operated valves)

S 8 L 4 C - 0 5 R F 2 - 0 1 R F 1 - C S - S S - T T N L _ _

[Note 1]

MV seat & seals

N = NACE trim
 L = lift lever
 S = short NPT inlet (F80/ F88/F84L - 4/-6/-8)
 Z = add'l welded fitting(s)

Options / Accessories

E = electropolished inlet [repeat for outlet]
 DR = Dresser dims. (F80)
 W = F80M with whistle

Trim material – see body, plus: SM = SS + Monel

Body material:

SS = 316 SS / CF8M	AL = Aluminum	N5 = Inconel 625	H2 = Hast. C/C22
SL = 316L SS / CF3M	D4 = 22% Cr duplex	N0 = Inconel 600	H6 = Hast. C276
CS = standard CS	D6 = 25% Cr duplex	MO = Monel	6M = 6 Mo (254 SMO)
CL = low-temp. CS	C3 = LC3 CS	BR = Brass	

Outlet rating
 (see inlet rating)

Conn. type (see below)

Outlet size (see inlet size)

Inlet rating: 1 = 150# 2 = 300# 3 = 600# 4 = 900# 5 = 1500# 6 = 2500#
 0 = thread / VCR / Grayloc / TC / etc. 7 = 5000 (API) 8 = 10000 (API)

Conn. type:

MN = male NPT	RF = RF flange	FM = female MS	SN = sanitary	GR = Grayloc hub
FN = female NPT	RJ = RTJ flange	FS = female SAE	SL = Swagelok fitting	TC = Autoclave/Butech
MV = male VCR	DF = Dual RF flange [Note 4]	MS = male SAE	SW = socket weld	TK = Techlok hub
FV = female VCR	DJ = Dual RTJ flange [Note 4]	BP = female BSPP threads	ST = small tongue (T&G)	S2 = SAE J518 Code 62
EF = metric RF flange	EJ = metric RTJ flange	MP = male BSPP threads	BW = butt weld	AP = API flange
	LJ = lap joint RF flange	MT = male BSPT threads	AN = AN flare	LF = large female (flange)

Inlet size: 05 = 1/2" 01 = 1" 02 = 2" 04 = 4" 08 = 8" 12 = 12" Special: 14 = 1/4" 91 = 9/16"
 34 = 3/4" 15 = 1-1/2" 03 = 3" 06 = 6" 10 = 10" 16 = 16" 38 = 3/8" 25 = 2-1/2"

Body size:

M = Micro	B = B body	E = E body (short bonnet)
P = 2-pc. Micro	C = C body (all F84/F85, F84L/F88-3/4/8 to 720 psi)	X = XL bonnet (D, E, F84L-4/8 from 721 – 4292 psi, F84L-2 above 15,538 psi)
H = HP Micro cast.	D = D body (short bonnet)	Z = XXL (F84L-3/4 > 4292 psi)

Model + orifice size

84 = F84
 85 = F85
 8L = F84L
 88 = F88

S = Spring-op valve

Notes: 1. Be careful of "0" (zero) and "O" when entering. Due to 30-digit limit, option codes may need to be limited to most significant items.

Flow Safe Assembly Part Numbers (Pilot-operated valves / Unloaders / Surge reliefs)

P 8 5 5 M - 0 4 R J 5 - 0 6 R F 2 - C L - S S - V V N P T F

[Notes 1, 2]

MV seat & seals

N = NACE trim
 P = BFP
 T = FTC (T1= SS for F70PR)
 F = pilot inlet filter
 K = F500 set point ind.
 M = manual blowdown
 O (letter) = dual pilots

Options / Accessories

R = remote sense
 C = cryo block
 D = closed dome tee
 Y = Swagelok fittings
 A = NO solenoid
 B = NC solenoid
 G = lift indicator (rod)

H = lift indicator (DP switch)
 J = F100 PV with F70VP
 Q = ESD dump valve
 U = surge suppressor
 V = Harguard clean pilot supply
 X = F70U speed controller
 Z = add'l welded fitting(s)

Trim material – see body, plus:

S1 = SS piston, retainer for F70PR/VP
 S2 = SS piston, retainer, liner for F70PR/VP
 S3 = SS pilot on F70PR
 S5 = F7100 w/ alum. piston/CS liner/SS retainer/
 SS F100 pilot

DD = Duplex SS MV trim with Duplex pilot [Note 2]
 DN = Duplex SS MV trim with Inconel pilot [Note 2]
 DS = Duplex SS MV trim with SS pilot
 SM = SS + Monel
 S6 = F7100 w/ alum. F100 pilot
 S8 = F7000 w/ SS liner, SS retainer, alum. piston

Body material:

SS = 316 SS / CF8M	AL = Aluminum	N5 = Inconel 625	H2 = Hast. C/C22
SL = 316L SS / CF3M	D4 = 22% Cr duplex	N0 = Inconel 600	H6 = Hast. C276
CS = standard CS	D6 = 25% Cr duplex	MO = Monel	6M = 6 Mo (254 SMO)
CL = low-temp. CS	C3 = LC3 CS	BR = Brass	

Outlet rating
 (see inlet rating)

Conn. type (see below)

Outlet size (see inlet size)

Inlet rating: 1 = 150# 2 = 300# 3 = 600# 4 = 900# 5 = 1500# 6 = 2500#
 [Note 3] 0 = thread

Conn. type: FN = female NPT DF = Dual RF flange [Note 4] AP = API flange
 RF = RF flange DJ = Dual RTJ flange [Note 4] TC = Autoclave/Butech
 RJ = RTJ flange EF = metric RF flange TK = Techlok hub
 GR = Grayloc hub EJ = metric RTJ flange ST = small tongue (T&G)

Inlet size: 01 = 1" 02 = 2" 04 = 4" 08 = 8" 12 = 12"
 15 = 1-1/2" 03 = 3" 06 = 6" 10 = 10" 16 = 16"

F8000 orifice letter
 or P = F70PR, F70VP
 or 0 = F7000, F70U, F9000

Model / pilot / seat type: 725, 825, 734, 754, etc.
 or 70H = F70PR-HP 70L = F70PR-LP
 or 705 = F70U 70V = F70VP
 or 905 = F9000 (w/ O-ring seat)

- Notes:
1. Be careful of "0" (zero) and "O" when entering. Due to 30-digit limit, option codes may need to be limited to most significant items.
 2. Duplex trim / pilot will normally match grade of main valve body.
 3. For Grayloc on POSRV, use rating code for equivalent flange.
 4. Dual outlets available on F7000/8000 air / gas / vapor only.

P = Pilot-op valve or surge relief (PM = 'marine')
 U = Unloader