

# 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

Options / Accessories

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

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