Flow Safe Assembly Part Numbers (All Series)

**Options / Accessories**
- N = NACE trim
- E = electropolished inlet
- R = remote sense
- L = lift lever
- C = cryo block
- D = closed dome tee
- A = NO solenoid
- Y = Swagelok fittings
- B = NC solenoid
- G = lift indicator (rod)
- M = manual blowdown
- H = lift indicator (DP switch)
- O (letter) = dual pilots
- U = surge suppressor
- W = F80M with whistle
- X = F70U speed controller
- Z = add’d welded fitting(s)

**Trim material – see body, plus:**
- DD = Duplex SS MV trim with Duplex pilot [Note 2]
- DN = Duplex SS MV trim with Inconel pilot [Note 2]
- 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
- S6 = F7100 w/ alum. F100 pilot
- S7 = F7100 w/ SS liner, SS retainer, alum. piston

**Outlet rating**
- (see inlet rating)
- 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
- 20 = Alloy 20
- TI = Titanium
- 6X = AL6XN
- Body material:
- Body size for F80’s:
  - M = Micro
  - B = B body
  - P = 2-pc. Micro
  - C = C body (all F84/F85, F84L/F88-3/4/8 to 720 psig)
  - D = D body (short bonnet)
  - E = E body (short bonnet)
  - O = orifice letter
  - P = F8000 orifice letter
  - Q = F80 orifice letter
  - or 725, 825, 734, 754, etc. (F7000 / F8000, pilot type, seat type)
  - or 70H = F70PR-HP; 70L = F70PR-LP; 70V = F70VP
  - 0 = F70000, F70U, F9000
  - S = Spring-op valve
  - P = Pilot-op valve or surge relief (PM = ‘marine’)
  - U = Unloader

**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)

**Notes:**
1. Be careful of “0” (zero) and “O” when entering.
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.
5. Compatible with Autoclave, Butech, etc., M/P or H/P fittings.
Flow Safe Assembly Part Numbers (Spring-operated valves)

**Part Number:** SB01120111JO-Rev03GG-20

**Options / Accessories**
- **N** = NACE trim
- **E** = electropolished inlet [repeat for outlet]
- **L** = lift lever
- **DR** = Dresser dims. (F80)
- **S** = short NPT inlet (F80/F88/F84L – 4/-6/-8)
- **Z** = add'l welded fitting(s)

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

**Body material:**
- **Outlet rating** (see inlet rating)
- **SS** = 316 SS / CF8M
- **SL** = 316L SS / CF3M
- **CS** = standard CS
- **D4** = 22% Cr duplex
- **D6** = 25% Cr duplex
- **SM** = SS + Monel
- **Body material:**
  - **Outlet rating**
    - **SS** = 316 SS / CF8M
    - **SL** = 316L SS / CF3M
    - **CS** = standard CS
    - **AL** = Aluminum
    - **N5** = Inconel 625
    - **H2** = Hast. C/C22
    - **N0** = Inconel 600
    - **H6** = Hast. C276
    - **MO** = Monel
    - **6M** = 6 Mo (254 SMO)
    - **Body size:**
      - **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)

**Notes:**
1. Be careful of “0” (zero) and “O” when entering.
2. Compatible with Autoclave, Butech, etc., M/P or H/P fittings.
Flow Safe Assembly Part Numbers
(Pilot-operated valves / Unloaders / Surge reliefs)

Options / Accessories

- **N** = NACE trim
- **R** = remote sense
- **H** = lift indicator (DP switch)
- **P** = BFP
- **C** = cryo block
- **J** = F100 PV with F70VP
- **T** = FTC (T1 = SS for F70PR)
- **F** = pilot inlet filter
- **Y** = Swagelok fittings
- **A** = NO solenoid
- **B** = NC solenoid
- **O** (letter) = dual pilots
- **G** = lift indicator (rod)
- **U** = surge suppressor
- **V** = Harguard clean pilot supply
- **X** = F70U speed controller
- **F** = pilot inlet filter
- **Y** = Swagelok fittings
- **U** = surge suppressor
- **K** = F500 set point ind.
- **M** = manual blowdown
- **N** = NACE trim
- **Z** = add1 welded fitting(s)

Trim material – see body, plus:

- **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 / CF8M
- **CS** = standard CS
- **CL** = low-temp. CS
- **TI** = Titanium
- **AL** = Aluminum
- **N5** = Inconel 625
- **H2** = Hast. C/C22
- **D4** = 22% Cr duplex
- **D6** = 25% Cr duplex
- **C3** = LC3 CS
- **BR** = Brass
- **MO** = Monel
- **N0** = Inconel 600
- **H6** = Hast. C276
- **CS** = standard CS
- **CL** = low-temp. CS
- **TI** = Titanium
- **AL** = Aluminum
- **N5** = Inconel 625
- **H2** = Hast. C/C22
- **D4** = 22% Cr duplex
- **D6** = 25% Cr duplex
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- **MO** = Monel
- **N0** = Inconel 600
- **H6** = Hast. C276
- **CS** = standard CS
- **CL** = low-temp. CS
- **TI** = Titanium
- **AL** = Aluminum
- **N5** = Inconel 625
- **H2** = Hast. C/C22
- **D4** = 22% Cr duplex
- **D6** = 25% Cr duplex
- **C3** = LC3 CS
- **BR** = Brass
- **MO** = Monel
- **N0** = Inconel 600
- **H6** = Hast. C276

Outlet size (see inlet size)

- **FN** = female NPT
- **DF** = Dual RF flange [Note 4]
- **DJ** = Dual RTJ flange [Note 4]
- **EF** = metric RF flange
- **GR** = Grayloc hub
- **EJ** = metric RTJ flange
- **TC** = Autoclave/Butech
- **OF** = O-ring flange
- **ST** = small tongue (T&G)

Conn. type (see below)

Outlet rating (see inlet rating)

Conn. type:

- **RF** = RF flange
- **DJ** = Dual RTJ flange [Note 4]
- **GR** = Grayloc hub
- **EJ** = metric RTJ flange

Model / pilot / seat type:

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

Notes:

1. Be careful of “0” (zero) and “O” when entering.
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.