



Figure 5: Pilot Assembly

**CAUTION**

**Allow pilot to cool before disassembly. Condensate trapped in the system has the potential to cause burns or serious injury.**

PILOT ASSEMBLY		
ITEM	DESCRIPTION	MATERIAL
1	Pilot Body	Steel
2	Cover	Steel
3	Diaphragm	Bronze
4	Gasket	Flexicarb / SS
5	Adjusting Spring	Stainless Steel
6	Adjusting Screw	Steel
7	Stem	Stainless Steel
8	Stroke Limiter	Stainless Steel
9	Bushing	Stainless Steel
10	Blowdown Body	Stainless Steel
11	Blowdown Stem	Stainless Steel
12	Disc	Stainless Steel
13	Main Spring	Stainless Steel
14	Gasket	Stainless Steel
15	Screen	Stainless Steel
16	Seat	Stainless Steel
17	Spring Cup	Stainless Steel
18	Pipe Plug, 1/4 NPT*	Steel
19	Spring Button	Stainless Steel
20	Upper Spring Button	Stainless Steel
21	Cap Screws	Steel
22	Spacer	Steel

\*Not shown in drawing view

**B Pressure Pilot Service**

1. Turn the pilot adjusting screw counter-clockwise to remove all compression from the pilot spring.
2. Shut off the inlet gate valve and verify the downstream pressure is zero.
3. Remove the pilot cover cap screws and cover.
4. Inspect the metal diaphragm for cracks and wrinkles. Replace as required.
5. Clean any debris from inside the pilot assembly and diaphragm surfaces.
6. Unscrew the blowdown body assembly from the pilot.
7. Inspect the seat and disc for wear or damage. Replace as required.
8. Inspect and clean the pilot screen.
9. Disconnect the tubing lines from the tee on the pilot and clean the orifice as required.
10. Reassemble the blowdown valve assembly and tighten back into the pilot body.
11. Reseat the diaphragm and reassemble the pilot cover making sure to tighten the bolts evenly.