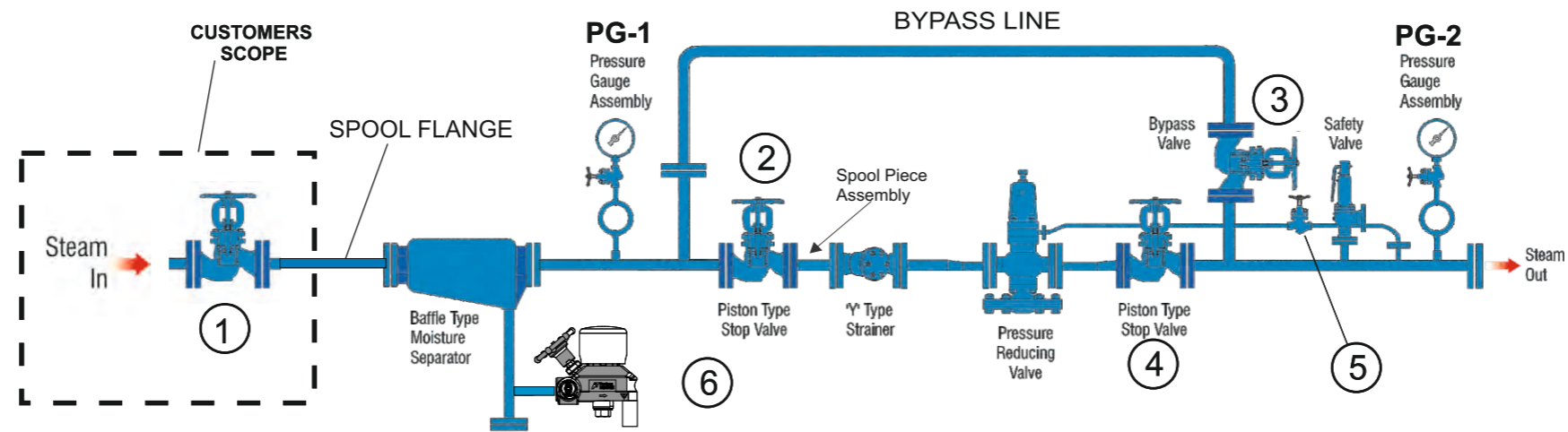


Pressure Reducing Station



Procedure for Bypass line Assembly

- Step 1 : Loosen the bolts of Spool Flange as shown in figure
- Step 2 : Assemble the Bypass line and then tighten the flange bolts
- Step 3: Re tighten the flange bolts of spool piece

Assemble the PRS as per the schematic drawing on ground & follow the following instructions

1 Initially loosely tighten all the products with piping (ensure that all gasket faces are cleaned & dent free. Always use new gasket which are supplied with PRS)

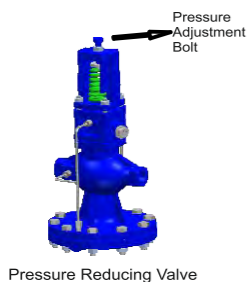


2 Ensure that reducer / expander (at the upstream & downstream of PRV) are installed with flat face at the bottom

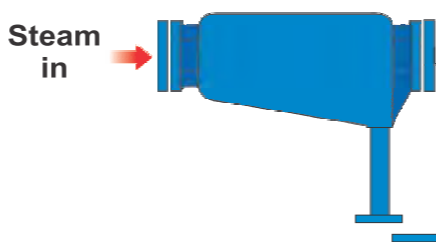
3 Ensure correct fitment, alignment as necessary & then tighten all the fasteners.

4 Now install the PRS at desired location taking care that no items are damaged.

5 Keep all the PRS isolation valves in closed condition

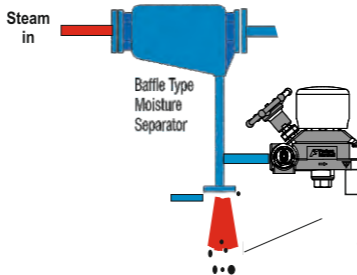


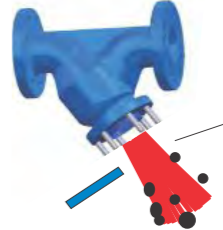
6 Loose the pressure adjustment bolt on PRV

7  Separator flange removal
Open the blind flange of moisture separator drain assembly

8  Strainer cap removal
Open the strainer end cap without removing strainer screen

9 Start the steam supply by opening the isolation valve 1 prior to PRS and Keeping the PRS valve 2 in close condition.

10  Blind Flange Open For Dirt And Muck
Allow the steam & condensate to pass through separator drain till the dirt muck, weld spuds & condensate is drained & you see clean white steam is coming. Now close the PRS isolation valve 1 & fit the separator drain blind flange with new gasket.

11  Cap Open For Dirt And Muck Removal
Now again open PRS isolation valve 2 & valve 1 and repeat the procedure as per Step 10 Close both the valves and refit the strainer cap

12 Open isolation valves 1,2,4,5,6 and ensure PRS bypass valve 3 in close condition

13 Keep all process inlet valves in close condition

14 Observe the PRS upstream pressure (PG-1), see that it is as per the specification. Cross check the FMPRV balancing line valve 5 fully open & tighten the pressure adjustment bolt gradually observing downstream pressure on PG-2. Initially set the pressure at 1 bar (g) & let it stabilize. After couple of minutes gradually tighten the bolt further till you achieve desire down stream pressure.

15 Set the downstream pressure to 0.2 barg more than the required pressure e.g if you want 3.5 bar g downstream pressure set the FMPRV outlet pressure at 3.7 barg

16 Tighten the locknut of pressure adjustment bolt once the required pressure is achieved.