

Stickle Model 851 Indicating Differential Pressure Controller Check Out & Adjustment Procedure

1. Make sure there is 20 psi on air supply gauge "A".
2. Nozzle "C" should be in the down position (Direct Acting), as shown; if not, loosen the nozzle screw and reposition the nozzle, making sure that it is at a right angle with flapper "H".
3. Proportional dial "F" should be on the White segment "A" as shown; if not, move it to the "B" segment with the band adjustment screw.
Set the Proportional Band between 10 & 15 on the "A" proportional dial.
4. Depress clean out pin "E".
5. Turn the red pointer "D" until it is lined up with or close to the Black pointer. Hold the Red pointer and Black pointer together so that they are directly above and below each other and observe the output gauge "B". The output gauge should read 9 psi. If the output gauge does not read 9 psi, hold the two pointers together and turn the hex hub that is above the Red pointer and below the Black pointer CW or CCW until the output gauge "B" reads 9 psi.
6. Turn the Red pointer "D" back and forth by the Black pointer. Output gauge "B" should increase and indicate approximately 20 psi when the red pointer "D" is above (greater than) the black pointer. Output gauge "B" should decrease and indicate approximately 0 psi when the red pointer "D" is below (less than) the black pointer.
7. After the above checks have been completed, set the red pointer "D" between 20 and 25 psi; this is the normal Differential set point.

