

Velcon®

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INSTALLATION Instructions

VF-61/VF-61E Differential Pressure Gauge Assembly Part Number 10678



1. Install one elbow fitting into the middle pressure connection on the VF-61 or VF-61E head.
2. Install one straight fitting into the outside pressure connection on the VF-61 or VF-61E head.
3. Install straight fittings into the "DP", "L" (Lo) and "H" (Hi) ports of the gauge.
4. Cut copper tubing to length desired. Suggested length is approximately 2" for connection from "H" port on gauge to outside pressured connection on VF-61 or VF-61E head.
5. Connect the 2" straight piece of copper tubing to the straight fitting on the VF-61 or VF-61E head.
6. Connect the other end of the 2" straight piece of copper tubing to the fitting on the "H" port of the gauge.
7. Using a tubing bender, bend a 6" length of tubing to form a 90° bend. Cut the tubing so that one side of the bend is approximately 2" and the other side is approximately 1".

8. Connect the 1" leg of the bent copper tubing into the elbow fitting on the middle pressure connection on the VF-61 or VF-61E head.
9. Connect the 2" end of the bent piece of copper tubing to the fitting on the "L" port of the gauge.
10. Insure all connections are snug to prevent leaks.

Operation

When the needle is in the green zone of the gauge during normal flow, the differential pressure is less than 15 psid across the installed cartridge, and the cartridge does not need to be changed out.

When the needle is in the red zone, the differential pressure is more than 15 psid and the cartridges should be changed out. It has reached its recommended maximum pressure differential.

Caution: Do not mount the P/N 10678 differential pressure gauge assembly any closer than 2" from a steel bracket or pipe. The gauge has a magnetic piston, and mounting too close to steel may affect the accuracy.