

ITEM DESCRIPTION:

1.

QTY: 1

FLOW SENSOR WITH PIPE MOUNTING HARDWARE
2.

QTY: 2

1/2" STREET ELBOW
3.

QTY: 2

1/2" NPT HEX NIPPLE
4.

QTY: 2

1/2" FNPT GATE VALVE (FULL PORT)
5.

QTY: 2

1/2" MNPT PLUG
6.

QTY: 4

1/2" STREET TEE
7.

QTY: 4

1/2" MNPT X 1/2" OD TUBE FILLING
8.

QTY: AS REQ.

1/2" OD TUBING
9.

QTY: 1

DIFFERENTIAL PRESSURE TRANSMITTER, TRADITIONAL STYLE.
10.

QTY: 1

3 OR 5 VALVE MANIFOLD (1/2" FNPT X FLANGED)
11.

QTY: 2

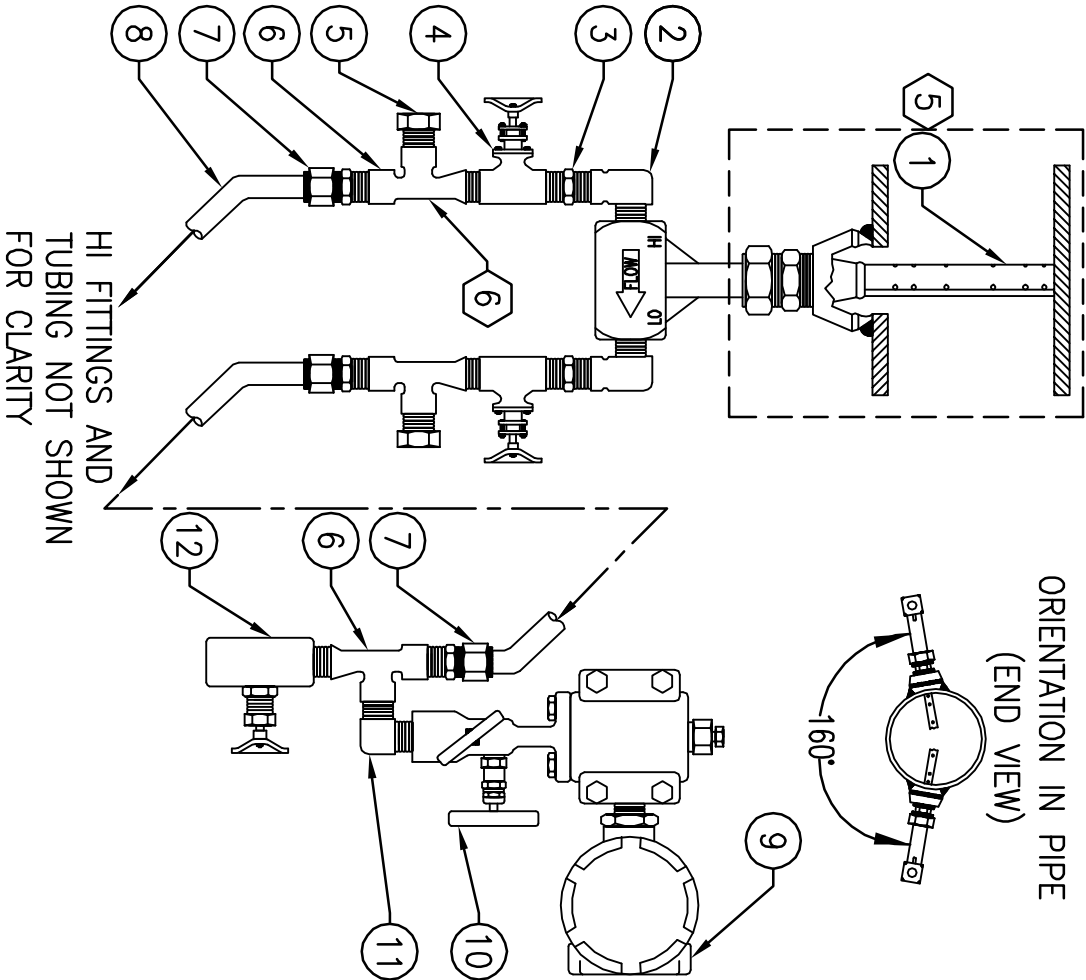
1/2" MALE ELBOW
12.

QTY: 2

1/2" FNPT NEEDLE VALVE

DRAWING NOTES:

1. MOUNTING ON THE BOTTOM OF THE PIPE AS SHOWN IS RECOMMENDED. CONTACT VERIS IF AN ALTERNATE INSTALLATION IS REQUIRED.
2. DP TRANSMITTER TO BE LOCATED AT SUFFICIENT DISTANCE TO ALLOW FOR COOLING TO MEET TRANSMITTER SPECIFICATION. TYPICAL COLLING RATE IS 100°F PER FOOT (55°C PER 300MM). DP TRANSMITTER TO BE LOCATED AT LEAST 18IN. (450MM) BELOW THE FILL TEES. THE VENT VALVES ARE TO POINT UP IF TRADITIONAL STYLE TRANSMITTER.
3. TUBING TO SLOPE CONTINUOUSLY DOWNWARD TO THE DP TRANSMITTER AT LEAST 4IN. (100MM) PER FOOT (300MM) AND SHALL BE FREE OF PEAKS, DIPS, OR SHARP BENDS THAT WOULD ALLOW ENTRAPPED AIR TO ACCUMULATE.
4. TUBING BENDS TO BE MADE WITH A TUBE BENDER AND SHALL HAVE A MINIMUM RADIUS OF THREE TIMES THE TUBING OD.
5. VERABAR MODEL V100 SHOWN, OTHER MODELS AVAILABLE.
6. FILL TEES TO BE AT THE SAME HEIGHT.



DETAIL 5 FLOW TRANSMITTER

N.T.S.

PC-02

REV. NO.	DATE	DESCRIPTION	FOSDICK & HILMER CONSULTING ENGINEERS 309 VINE STREET, SUITE 50 CINCINNATI, OHIO 45202 TELEPHONE (513)241-5640 WWW.FHENG.COM		Doyon UTILITIES Jimmy Huntington Building 714 Fourth Avenue, Suite 20 Fairbanks, Alaska 99701 Telephone (907) 455-1500 Fax (907) 455-6788		Date: 7/21/10 Scale: N.T.S. Designed By: J.T. Drawn By: G.N. Checked By: J.T.	UTILITY SERVICE EXTENSION TO AIRCRAFT PARTS STORAGE UTILITY MONITORING FORT WAINWRIGHT, AK. DU PROJECT NO. J101395, 101396, 101397		Drawing No. PC-09
0	05/09/11	RECORD DRAWING								