



START-UP PROCEDURE (PRESSURIZED UNIT)

1. FILL RECEIVER WITH WATER.
2. 3-WAY VALVE MANIFOLD (OUTER PORTS OPEN & CENTER PORT CLOSED).
3. FILL (-) LEG WITH WATER COMPLETELY UP TO THE TEE FITTING.
4. ALL VALVES FROM TRANSMITTER BACK TO RECEIVER MUST BE OPEN.
5. LOOSEN PIPE PLUGS FROM THE (-) LEG AND THE (+) LEG TO REMOVE ANY AIR THAT COULD BE TRAPPED IN THE TRANSMITTER. THIS IS TO BE DONE BEFORE WATER IS UP TO TEMPERATURE.
6. REFILL (-) LEG UP TO THE TEE CONNECTION.

BILL OF MATERIAL			
NO.	COMPONENT LIST	PART NUMBER	QTY.
1	SIEMENS DIFFERENTIAL PRES TRANSMITTER	LLCNTL-SIEM-7MF4433-DISP	1
2	SIEMENS 3-VALVE MANIFOLD SET	LLCNTL-SIEM-A6X300004061	1
3	1/2" SCH40 NIPPLE @ 2 1/2" LG	NIPPLE-B-0050x250	6
4	1/2" 250# UNION	PF-UNION-B-0050	2
5	1/2" 150# 90° ELBOW	PF-ELL-TH15-90-B-0050	2
6	1/2" 150# TEE	PF-TEE-TH15-B-0050	1
7	1/2" BALL VALVE	BALVL-2PC-615-0050-BB	2
8	1/2" SCH40 NIPPLE @ 6" LG	NIPPLE-B-0050x600	1
9	1/2" SCH40 PIPE (CUT TO LENGTH)	PIPE-B106-040-0050	-
10	1" BALL VALVE	BALVL-2PC-615-0100-BB	1
11	1" SCH40 NIPPLE @ 4" LG	NIPPLE-B-0100x400	2
12	1" 150# 90° ELBOW	PF-ELL-TH15-90-B-0100	1
13	1" SCH40 PIPE (CUT TO LENGTH)	PIPE-B106-040-0100	-
14	1" x 1/2" BUSHING	PF-BUSH-B-HEX-100-050	1
15	1 1/2" x 1/2" BUSHING	PF-BUSH-B-HEX-150-050	1
16	1 1/2" x 1" BUSHING	PF-BUSH-B-HEX-150-100	1
17	1 1/2" 150# TEE	PF-TEE-TH15-B-0150	1
18	1 1/2" SQUARE CORED PIPE PLUG	PF-PLUGSQ-CRD-B-0150	1

ALL CONNECTIONS ARE THREADED PIPE

SHIPCO®
PUMPS

MANUFACTURED BY

SHIPPENSBURG PUMP COMPANY INC.

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SIEMENS DIFFERENTIAL PRESSURE
TRANSMITTER WITH 3-VALVE MANIFOLD
PRESSURIZED UNITS

DRAWN BY M.LINEAWEAVER	DATE 10/09	REVISION 5
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PIPING DIAGRAM # SIEMENS PIPING-P