

CDI Meters HP Option

HIGH-PRESSURE OPTION FOR CDI 5000- Series and 6000- Series FLOWMETERS

DESCRIPTION

The –HP option provides adjustments of the meter’s calibration for the wall thickness of the pipe on which the meter will be used and properties of air at the elevated pressure. The reinforced gaskets used with the meters are suitable for use at the pressure indicated.

INSTALLATION

Note the pressure limitations below. Follow the normal installation procedure for the meter. Be sure to smooth the pipe with a file in the area where the seals will make contact with it.

PRESSURE LIMITATIONS

US Sch. 40 Black Steel Pipe		
nominal size (in)	maximum working pressure	
	psig	barg
0.75	600	41.6
1	600	41.6
1.5	600	41.6
2	543	37.4
3	513	35.3
4	429	29.5

British Standard Pipe – Medium Weight				
nominal size		wall (mm)	maximum working pressure	
DN	(in)		psig	barg
20	0.75	2.6	600	41.6
25	1	3.2	600	41.6
40	1.5	3.2	566	39.0
50	2	3.6	487	33.5
80	3	4.0	366	25.2
100	4	4.5	308	21.2

US Sched. 80 Black Steel Pipe		
nominal size (in)	maximum working pressure	
	psig	barg
0.75	600	41.6
1	600	41.6
1.5	600	41.6
2	600	41.6
3	600	41.6
4	600	41.6

British Standard Pipe – Heavy Weight				
nominal size		wall (mm)	maximum working pressure	
DN	(in)		psig	barg
20	0.75	3.2	600	41.6
25	1	4.0	600	41.6
40	1.5	4.0	600	41.6
50	2	4.5	600	41.6
80	3	5.0	447	30.8
100	4	5.4	379	26.1