

Fig. 8100

Schema

Technical drawing of a vertical rod. The rod is divided into three sections labeled A, B, and C. Section A is the bottom section, section B is the middle section, and section C is the top section. The total length of the rod is indicated by a dimension line on the left, labeled 'B'.

Materials

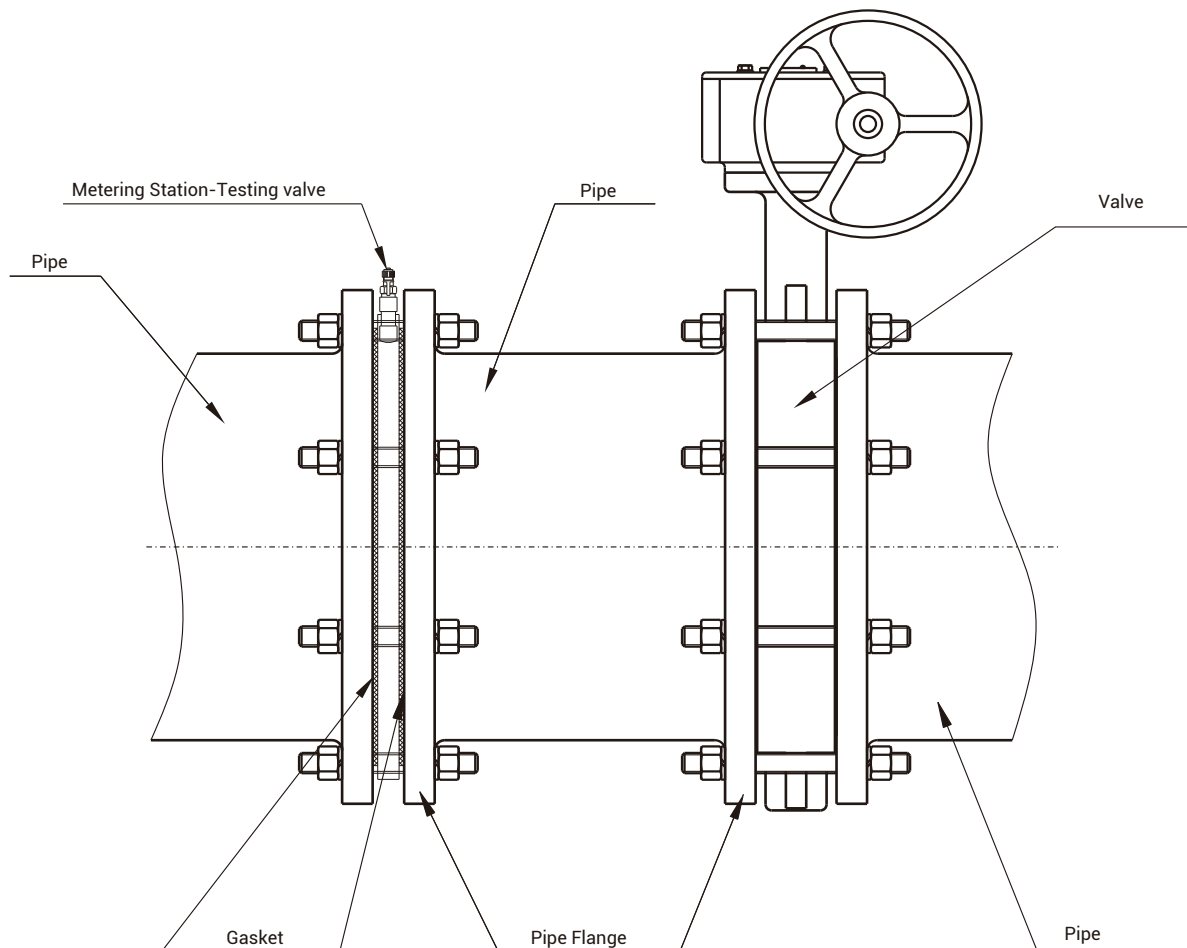
Part	Material	Specification
Orifice	Stainless Steel	BS970 304 / 316 S31
Extender	Stainless Steel	BS970 316 S31
Testing valve	Brass	BSEN12165 CW602N

Dimensions

Size	mm	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600
	Inch	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
A (mm)		18	18	18	18	18	18	18	18	21	21	21	21	25
B (mm)		112	118	125	135	145	165	185	205	222	240	261	283	325
C (mm) PN16		127	142	162	192	218	273	329	384	444	495	555	617	734
C (mm) PN25		127	142	168	194	224	284	340	400	457	514	564	624	731
Kv		151	203	351	550	765	1354	2103	3009	2734	3507	4543	5603	8111
Head loss K		1.6	1.4	1.4	1.3	1.7	1.8	1.8	1.4	2.5	2.5	2.5	2.5	2.5
Kvs		104	116	213	333	476	768	1153	1743	1875	2582	3270	4079	4938

Larger sizes and other flange mounts can be applied.

Installation



Orifice plate Fig.8100 can be installed between valves and/or pipe flanges rated PN10, PN16 or PN25 according to BS EN 1092-2.

When installed between PN10 / PN16 flanges and PN25 flanges with a maximum size of 80mm, ensure that the measuring orifice diameter is properly aligned.

When assembling between PN25 flanges with dimensions greater than or equal to 100mm, ensure that the measuring hole plate is properly aligned with the matching flange.

The orifice plate Fig.8100 can be used as a single device or in close connection with other regulating or isolating valves to provide accurate flow measurement.