



Stainless Steel Metering Station Fig. VA2000

Specification

- ✓ Stainless steel orifice plate for durable and reliable operation
- ✓ Square-edged orifice design for accurate flow measurement
- ✓ Flow measurement accuracy within $\pm 3\%$ at normal velocities
- ✓ Suitable for installation between standard pipeline flanges
- ✓ Can be used as a stand-alone metering station or close-coupled with a regulating valve

Material Specification

Part Name	Material	Specification
Orifice and Carrier	Stainless Steel	BS EN ISO 17855
Extension Tubes	Stainless Steel	BS EN 10088-3 - 1.4301 (X5CrNi18-10)
Pressure Test Valves	Brass	BS EN 1563 - EN-GJS-450-10

Main Dimensions (mm)

Size	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600
Face to face A mm	18	18	18	18	18	18	18	18	21	21	21	21	25
Center to top B mm	112	118	125	135	145	165	185	205	222	240	261	283	325
Outside Diameter C mm	PN 16	127	142	162	192	218	273	384	444	495	555	617	734
	PN 25	127	142	168	194	224	284	400	457	514	564	624	731
Floww KV	151	203	351	550	765	1354	2103	3009	2734	3507	4543	5603	8111
Headloss 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	166	213	333	476	768	1153	1743	1875	2582	3270	4079	4938

Installation

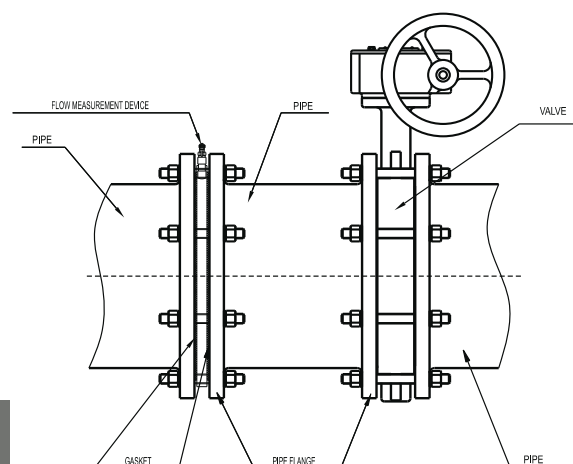
VA2000 can be mounted between valve and/or pipe flanges to BS EN 1092-2 having PN10, PN16 or PN25 ratings. The outside diameter ensure a proper alignment when installed between PN10/16 flanges and PN25 flanges up to 80mm size. When assembling between PN25 flanges size 100mm and larger, ensure the device has been correctly centred with the mating flanges.

Application

The VA2000 is designed for accurate flow measurement in HVAC and hydronic systems. It can be installed as a stand-alone metering station or close-coupled with a regulating valve.

Dimensions

Temperature °C	-100 to 100	110	120
Pressure (Bar)	PN 16 / PN 25	PN 16 / PN 25	PN 16 / PN 25



Notes

Specifications, materials and dimensions shown are subject to change without prior notice

