

Data sheet

Flow measuring orifice

Description



Danfoss flow measuring orifices are used to precisely determine the flow in water based heating, cooling or potable water systems. This determination is done by measuring the differential pressure across the fixed orifice, which has a well known Kv value.

Differential pressure is measured with PFM 5000 or other measuring device that can convert differential pressure to flow.

Main data

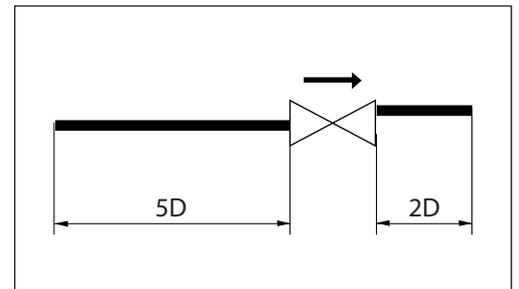
- Suitable for heating and cooling applications
- Supplied with 2 pcs. of test plugs for needles
- working temperature: $-10 \dots 130 \text{ }^{\circ}\text{C}$
- PN 25

Materials

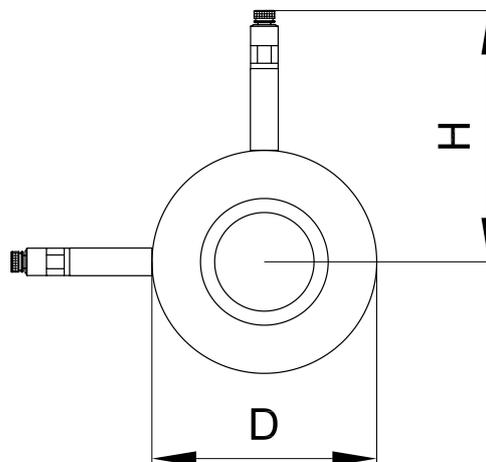
- Fixed orifice: Stainless steel
- Measuring points: Dezinfection free brass

Installation

The measuring orifice should be installed between two counter flanges. Check that these counter flanges are parallel and that the gaskets are according to given standard for flanges. Check also that the measuring orifice and the gaskets are correctly centered before tightening.



Ordering and Dimensions



DN	D (mm)	H (mm)	Flange thickness (mm)	k_{vs} (m ³ /h)	Code No.
50	108	149	18	69	003Z2260
65	127	159	18	103	003Z2261
80	142	166	18	119	003Z2262
100	168	176	18	233	003Z2277
125	194	191	18	334	003Z2278
150	224	204	18	525	003Z2279
200	284	232	18	798	003Z2280
250	341	260	18	1219	003Z2281
300	401	287	18	1880	003Z2282
350	458	317	20	2180	003Z2283 ¹⁾
400	515	343	23	2650	003Z2284 ¹⁾
450	565	373	28	3430	003Z2285 ¹⁾
500	625	404	28	4230	003Z2286 ¹⁾
600	732	463	29	6240	003Z2287 ¹⁾

¹⁾ Available on request