

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 … 130 °C
- PN 25

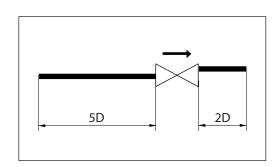
Materials

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

Instalation

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.





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Ordering and Dimensions

		_			
DN	D (mm)	H (mm)	Flange thickness (mm)	k_{vs} (m³/h)	Code No.
DN 50	_		thickness		Code No. 003Z2260
	(mm)	(mm)	thickness (mm)	(m ³ /h)	
50	(mm) 108	(mm) 149	thickness (mm) 18	(m³/h) 69	003Z2260
50 65	(mm) 108 127	(mm) 149 159	thickness (mm) 18 18	(m ³ /h) 69 103	003Z2260 003Z2261
50 65 80	(mm) 108 127 142	(mm) 149 159 166	thickness (mm) 18 18 18 18	(m ³ /h) 69 103 119	003Z2260 003Z2261 003Z2262
50 65 80 100	(mm) 108 127 142 168	(mm) 149 159 166 176	thickness (mm) 18 18 18 18 18	(m ³ /h) 69 103 119 233	003Z2260 003Z2261 003Z2262 003Z2277
50 65 80 100 125	(mm) 108 127 142 168 194	(mm) 149 159 166 176 191	thickness (mm) 18 18 18 18 18 18 18	(m ³ /h) 69 103 119 233 334	003Z2260 003Z2261 003Z2262 003Z2277 003Z2278
50 65 80 100 125 150	(mm) 108 127 142 168 194 224	(mm) 149 159 166 176 191 204	thickness (mm) 18 18 18 18 18 18 18 18	(m ³ /h) 69 103 119 233 334 525 798 1219	003Z2260 003Z2261 003Z2262 003Z2277 003Z2278 003Z2279
50 65 80 100 125 150 200	(mm) 108 127 142 168 194 224 284	(mm) 149 159 166 176 191 204 232	thickness (mm) 18 18 18 18 18 18 18 18 18	(m ³ /h) 69 103 119 233 334 525 798	003Z2260 003Z2261 003Z2262 003Z2277 003Z2278 003Z2279 003Z2280
50 65 80 100 125 150 200 250	(mm) 108 127 142 168 194 224 284 341	(mm) 149 159 166 176 191 204 232 260	thickness (mm) 18 18 18 18 18 18 18 18 18 18 18	(m ³ /h) 69 103 119 233 334 525 798 1219	003Z2260 003Z2261 003Z2262 003Z2277 003Z2278 003Z2279 003Z2280 003Z2281 003Z2281
50 65 80 100 125 150 200 250 300	(mm) 108 127 142 168 194 224 284 341 401	(mm) 149 159 166 176 191 204 232 260 287	thickness (mm) 18 18 18 18 18 18 18 18 18 18 18 18 18	(m ³ /h) 69 103 119 233 334 525 798 1219 1880	003Z2260 003Z2261 003Z2262 003Z2277 003Z2278 003Z2279 003Z2280 003Z2281 003Z2282 003Z2283 ¹⁾
50 65 80 100 125 150 200 250 300 350	(mm) 108 127 142 168 194 224 284 341 401 458	(mm) 149 159 166 176 191 204 232 260 287 317	thickness (mm) 18 18 18 18 18 18 18 18 18 18 18 18 20	(m ³ /h) 69 103 119 233 334 525 798 1219 1880 2180	003Z2260 003Z2261 003Z2262 003Z2277 003Z2278 003Z2279 003Z2280 003Z2281 003Z2283 ¹⁾ 003Z2283 ¹⁾
50 65 80 100 125 150 200 250 300 350 400	(mm) 108 127 142 168 194 224 284 341 401 458 515	(mm) 149 159 166 176 191 204 232 260 287 317 343	thickness (mm) 18 18 18 18 18 18 18 18 18 18 18 18 20 23	(m ³ /h) 69 103 119 233 334 525 798 1219 1880 2180 2650	003Z2260 003Z2261 003Z2262 003Z2277 003Z2279 003Z2279 003Z2280 003Z2281 003Z2281 003Z2283 ¹⁾ 003Z2284 ¹⁾

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