

SUCTION DIFFUSER PN16

Fig. VA7103

Specification

- ✓ Body and cover manufactured from Gray Cast Iron EN-GJL-250 in accordance with BS EN 1561
- ✓ Stainless Steel 304 permanent strainer screen
- ✓ Removable 20-mesh Stainless Steel 304 start-up screen for additional protection during system commissioning
- ✓ Integral flow-straightening arrangement provides a more uniform flow profile at the pump suction
- ✓ Angled body design combines the functions of a reducing elbow, strainer and flow straightener in one compact unit
- ✓ Flanged connections suitable for PN16 systems
- ✓ Drain connection provided for cleaning and maintenance
- ✓ Internally and externally epoxy coated for corrosion protection
- ✓ Suitable for chilled water, heating water and HVAC closed-loop water systems

Material Specification

Part Name	Material	Specification
Body	Gray Cast Iron	EN 1561 EN-GJL-250
Cover	Gray Cast Iron	EN 1561 EN-GJL-250
Screen	Stainless Steel	EN 10088 X5CrNi18-10
Fasteners	Carbon Steel	Grade 8.8

Corrosion Protection

Fusion Bonded Epoxy Coating with a minimum thickness of 250 microns for excellent corrosion resistance

Main Dimensions (mm)

Size	In	DN50	DN65	DN65	DN65	DN80	DN80	DN80	DN100	DN100	DN100	DN125	DN125	DN125	DN150	DN150	DN150	DN200	DN200	DN200	DN250
	Out	DN50	DN38	DN50	DN65	DN50	DN65	DN80	DN65	DN80	DN100	DN80	DN100	DN125	DN100	DN125	DN150	DN125	DN150	DN200	DN150
L		211	237	238	239	264	264	268	303	303	311	365	369	359	401	406	399	521	495	496	591
L1		130	129	144	149	160	160	163	186	187	197	238	241	232	258	265	256	326	302	301	362
L2		103	126	126	126	147	147	147	170	170	170	203	203	203	228	228	228	285	285	285	360
H1		102	111	111	111	128	128	128	152	152	152	177	177	177	203	203	203	253	251	251	292
d		NPT 1/2"-14								NPT 3/4"-14								NPT 1"-11.5			
Size	In	DN250	DN250	DN300	DN300	DN300	DN350	DN350	DN350	DN400	DN400	DN400	DN450	DN450	DN450	DN500	DN500	DN600			
		DN200	DN250	DN200	DN250	DN300	DN250	DN300	DN350	DN300	DN350	DN400	DN350	DN400	DN450	DN400	DN500	DN600			
L		598	585	711	698	686	767	745	751	817	818	819	923	924	930	1021	950	1080			
L1		369	354	448	437	425	480	458	464	489	490	491	553	554	554	627	550	620			
L2		360	360	430	430	430	482	482	482	525	525	525	615	615	615	715	700	800			
H1		292	292	339	341	341	379	379	379	402	402	395	429	429	490	490	460	550			
d		NPT 1"-11.5																			

PRESSURE/ TEMPERATURE RATING

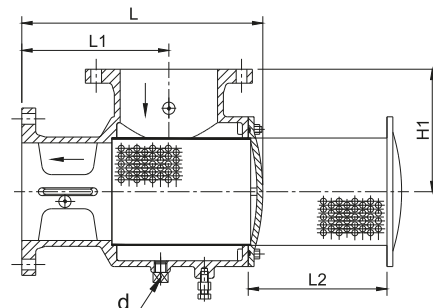
- ✓ 16 bar from -10°C to 120°C

HYDROSTATIC TEST PRESSURE

- ✓ Shell - 24 bar

Features & Benefits

- ✓ 3-in-1 Design combines a reducing elbow, strainer and flow straightener in a single compact unit
- ✓ Improved Pump Inlet Flow straightens and stabilizes the flow entering the pump, helping reduce turbulence
- ✓ Permanent stainless steel screen protects pumps from debris and foreign particles
- ✓ Start-Up Protection Removable 20-mesh screen provides fine filtration during system commissioning
- ✓ Space Saving Installation Reduces fittings and minimizes installation space
- ✓ Reduced Installation Requirements Fewer components and connections on the pump suction side
- ✓ Easy Maintenance Removable screens and drain connection simplify inspection and cleaning



Notes

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

