

Starting Strainer

Type: DEGA

Data sheet



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1 Starting strainer

1.1 Design and operation

The starting strainer is used for the purposes of aspirating media from a closed pipeline system. During the start-up phase there is a particularly high risk of particles from the intake pipeline system entering the machine. The starting strainer protects the machine stage from dirt and entry of foreign bodies.



NOTICE!

Risk of damage! For suction from a closed pipeline system always use a starting strainer or a filter housing.

The starting strainer is delivered with the machine in a sealed condition.

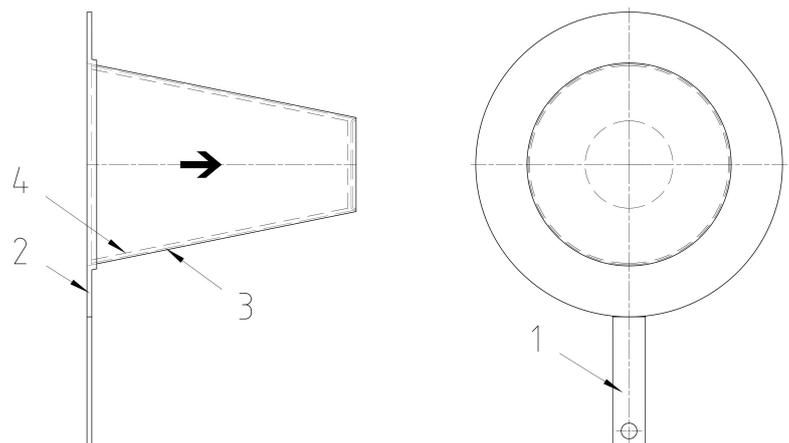


Fig. 1: Design

- 1 Vane
- 2 Flange
- 3 Perforated metal sheet
- 4 Wire mesh
- ➔ Throughflow direction of conveyed medium

The starting strainer is notable for its large filtering surface. This is between 3 and 5 times the size of the exposed pipe cross-section. The filter mesh is protected against buckling and damage by a perforated metal sheet. The welded design (with no soldered connections) allows the use of the strainer in conjunction with corrosive media and at high temperatures.

1.2 Installation

Installation position

The starting strainer must be fitted in the throughflow direction.

Starting strainer

Technical data

Connection

The starting strainer is installed by clamping it between two parallel connection flanges.

The construction height allows the installation of the starting strainer in the elbow-nozzle as per DIN EN 10253-4, with a welding neck flange, and seal strip DIN EN 1092-1 Form B.

1.3 Technical data

Materials

Designation	Material
Flange, vane	1.4301, X5CrNi18-10
Perforated metal sheet	
Wire mesh	
Mesh width 1 mm	

Dimensions

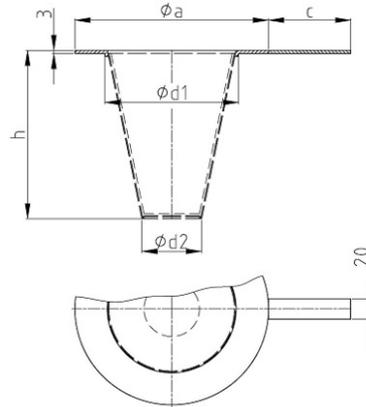


Fig. 2: Dimensions

Nominal width	øa	ød1	ød2	h	c
	[mm]				
DN 50	102	53	18	82	65
DN 65	122	69	28	100	65
DN 80	138	81	35	115	65
DN 100	158	105	50	140	70
DN 125	188	130	58	165	80
DN 150	212	157	75	192	80
DN 200	268	204	96	255	90
DN 250	320	256	124	317	90

Nominal width	øa	ød1	ød2	h	c
	[mm]				
DN 300	370	305	150	375	100
DN 350	430	335	157	430	100
DN 400	482	380	177	495	110
DN 500	585	475	222	620	110

1.4 Spare parts

Nominal width	Weight	Article number
	[kg]	
DN 50	0.3	024-9128
DN 65	0.4	024-9129
DN 80	0.5	024-9130
DN 100	0.7	024-9131
DN 125	1.0	024-9132
DN 150	1.2	024-9133
DN 200	1.9	024-9134
DN 250	2.7	024-9135
DN 300	4.9	024-9136
DN 350	6.2	024-9137
DN 400	7.8	024-9138
DN 500	9.0	024-9139

Seals

When installing the starting strainer, new pipeline seals must be used.

See the data sheet on *Seals*.