

Parabolic Screen

Series BS



Data-Sheet



General

Static parabolic screens find their origin in the mining industry for the separation of dry particles. At present most applications are in solid-liquid separations of granulates, fibers, organic material etc. The separating principle is based on a peeling mechanism. The wedge wire screen built from profiled metal wire stands at right angles to the direction of the liquid and the flat side of the wire under a 60° angle.

This results in a separation of the liquid from the solids, letting the solids slide down by gravity. The separating efficiency is about half the slot width. On the front side a collector catches the solids. When the solids are heavy or sticky the separating mechanism can be assisted by spray nozzles and or a brush mechanism. The housing is made in SS304 and the screen construction in SS316.



General safety instructions



- To prevent accidents, the installation, connection and commissioning may only be carried out by authorized and qualified personnel.

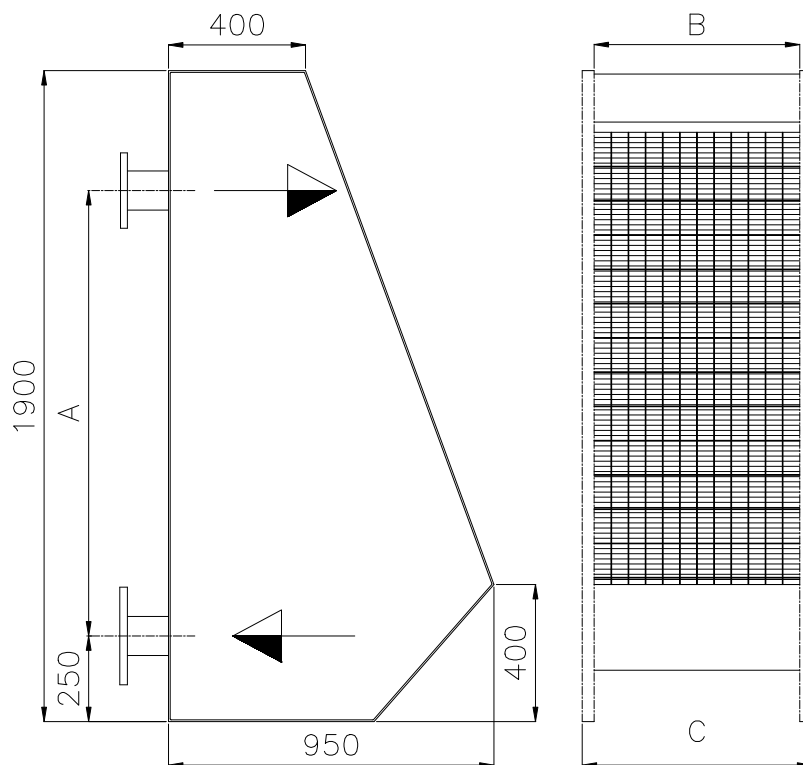


Note:

1. When installed in open air, the filter must be protected from frost.
2. The flow depends on the dirt load and fineness.

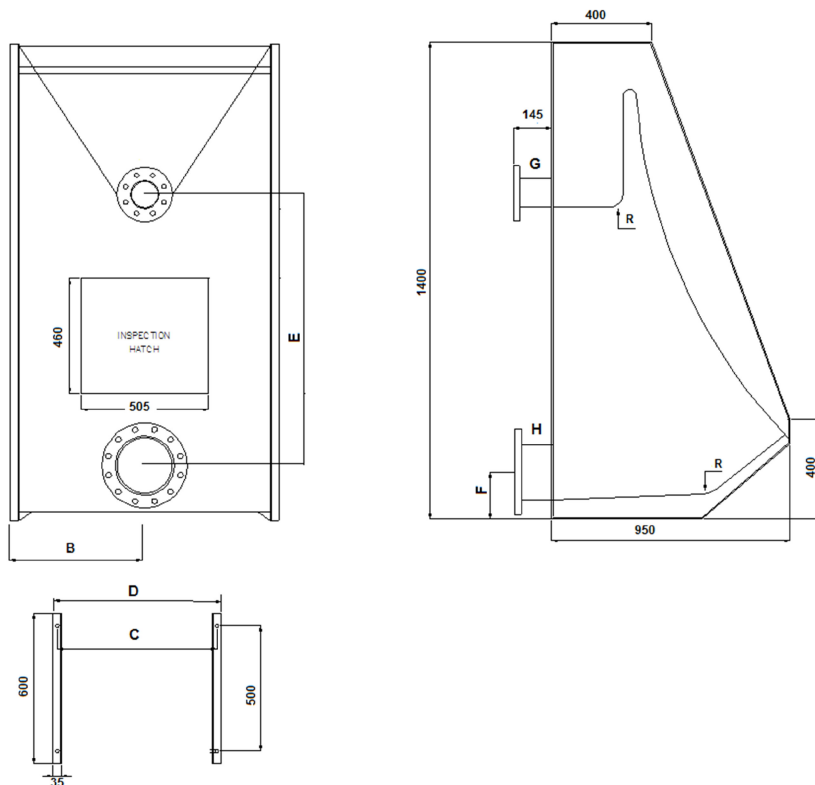
Product-details Parabolic Screen Standard

Type	BS300	BS600	BS1000	BS1500	BS2000
Dimension A (mm)	1300	1300	1200	1200	1150
Dimension B (mm)	300	600	1000	1500	2000
Dimension C (mm)	370	670	1070	1570	2070
Weight empty (kg)	135	175	235	300	375
Inlet (PN 10)	DN 100	DN 100	DN 150	DN 150	DN 200
Outlet (PN 10)	DN 100	DN 150	DN 200	DN 200	DN 250
Capacity (m³/h) by slot size with a dirt load of 200 mg/l					
0,50 mm	10	30	65	80	120
0,75 mm	15	35	75	95	130
1,00 mm	20	40	85	115	145
1,50 mm	25	60	115	140	170



Product-details Mini-Parabolic Screen

Type	BS300AG	BS500AG	BS1000AG	BS1500AG	BS2000AG
Dimension A (mm)	370	570	1070	1570	2070
Dimension B (mm)	185	285	535	785	1035
Dimension C (mm)	385	585	1085	1585	2085
Dimension D (mm)	335	535	1035	1535	2035
Dimension E (mm)	690	670	610	605	605
Dimension F (mm)	80	135	185	215	215
Weight empty (kg)	50	80	130	180	220
G=Inlet (PN 10)	DN50/2"	DN 100	DN 100	DN 150	DN 150
H=Outlet (PN 10)	DN80/3"	DN 100	DN 200	DN 250	DN 250
Capacity (m³/h) by slot size with a dirt load of 200 mg/l					
0,50 mm	10	25	65	80	120
0,75 mm	15	30	75	95	130
1,00 mm	20	35	85	115	145
1,50 mm	25	45	115	140	170



GEFA Certificates

ISO 9001 - OHSAS 18001 - ISO 14001

Zusätzlich zum Qualitätsmanagementsystem **ISO 9001** hat die GEFA Processtechnik GmbH jetzt auch für die Bereiche Arbeitsschutz (**OHSAS 18001**) und Umweltmanagement (**ISO 14001**) ein sichtbares Zeichen:



Die **OHSAS 18001** und **ISO 14001** Zertifizierungen sind weltweit anerkannte Standards mit dem Fokus auf Personenschutz, Arbeitssicherheit, Gesundheitsvorsorge und Umweltschutz.