DISCSTAR™ G

FILTROX

LENTICULAR HOUSING

The choice for food & beverage and low critical filtration (standard filtration) applications



The DISCSTAR™ G is an economical stainless steel filter housing for lenticular depth filter modules. The enclosed system allows high capacity depth filtration with no drip loss (no edge leaking). Designed and manufactured for heavy duty use − 24/7. System of choice for frequently changing filtration applications.

Applications

- Wine
- Beer
- Juice
- Tea
- Distilled products
- Non critical solutions
- Raw materials
- ..

Features

- Easy handling
- Simple and fast exchange of the lenticular modules
- High chemical resistance
- Small foot print
- Available for 12" and 16" modules
- Low investment cost with a relatively large filter area
- Easy CIP cleaning possible
- Easy adaptable to your process due to in-house production
- Quick opening/closing with simple clamp ring
- Available with DOE and DOR adapter

Filter area							
	Size 1	Size 2	Size 3	Size 4			
DISCSTAR™ G 30	1.8 m² (19 sq ft)	3.6 m ² (39 sq ft)	5.4 m ² (58 sq ft)	7.2 m ² (78 sq ft)			
DISCSTAR™ G 40	n.a.	7.2 m ² (78 sq ft)	10.8 m ² (116 sq ft)	14.4 m ² (155 sq ft)			

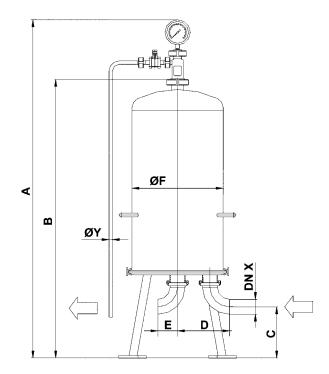
Technical data								
DISCSTAR™	Size 12'		Max. operating	Max. operating	Inlet/outlet	Module	Closing	
type	16′	′= 40	pressure	temperature	connection	interlock	mechanism	
DISCSTAR™ G	30	40	Non dangerous	Non dangerous	With welded tube	DOE/DOR	Clamp ring for	
			liquid: 6 bar / 87 psi	liquid: 95°C / 203°F	bent 90°	on request	quick release	
			Gas/steam:	Gas/steam:	DIN 11851 (dairy)			
			0.5 bar / 7 psi	95°C / 203°F	DN 50			

Limiting factor for the Δp of a module is the sheet grade and the application.

Material					
	Stainless steel material (product contact)	Other stainless steel parts	Surface finish (inside)	Surface finish (outside)	Gaskets
DISCSTAR™ G	AISI 316L	AISI 304	All welds ground smooth polished Ra < 0.8 µm	Ground polished Ra < 1.2 µm	EPDM

Dimensions (mm)							
	DISCSTAR™ 30			DISCSTAR™ 40			
	Size 1	Size 2	Size 3	Size 2	Size 3	Size 4	
Α	995	1305	1555	1332	1582	1862	
В	775	1085	1112	1362	1642		
C	183						
D	185 415						
Е	70						
F	324			450			
DNX	DN 50, DIN 11851 (dairy)						
Ø	DN 10, DIN 11851 (dairy)						

Vol./weight (approx.)							
	DISCS	TAR TM	30	DISCSTAR™ 40			
	Size	Size	Size	Size	Size	Size	
	1	2	3	2	3	4	
Void vol. (I)	34	58	78	112	150	194	
Empty (kg)	40	60	80	70	90	110	
Full (kg)	65	110	155	175	238	302	
Dome (kg)	10	16	21	15	24	31	



Options

The typical setup requires gauges and valves, as well as a check valve.

FILTROX quality assurance

FILTROX assures the best quality control according to international standards:

- ISO 9001 (quality management).
- The pressure vessel is manufactured according to DGR 97/23/EG
 Art. 3 Abs. 3 "sound engineering practise".

Piping system

By customer request