



# DISCSTAR™ G

## 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 m <sup>2</sup> (19 sq ft)	3.6 m <sup>2</sup> (39 sq ft)	5.4 m <sup>2</sup> (58 sq ft)	7.2 m <sup>2</sup> (78 sq ft)
DISCSTAR™ G 40	n.a.	7.2 m <sup>2</sup> (78 sq ft)	10.8 m <sup>2</sup> (116 sq ft)	14.4 m <sup>2</sup> (155 sq ft)

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

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
A	995	1305	1555	1332	1582	1862
B	775	1085	1335	1112	1362	1642
C	183					
D	185			415		
E	70					
F	324			450		
DNX	DN 50, DIN 11851 (dairy)					
Ø	DN 10, DIN 11851 (dairy)					

Vol. / weight (approx.)						
	DISCSTAR™ 30			DISCSTAR™ 40		
	Size 1	Size 2	Size 3	Size 2	Size 3	Size 4
Void vol. (l)	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

