

DISCSTAR® BIO SD

HOUSING FOR SINGLE-USE FILTER MODULES

Description

For the use of PURADISC® BIO SD single-use modules, special stainless steel housings are necessary to allow homogeneous filling of the bags, and as protection in the event of pressure shocks.

The support system DISCSTAR® BIO SD for modules can be pivoted for easy discharge of the used bags. All systems (except version 12M will be delivered with a separate trolley for bag discharge.

A pressure gauge is installed on the top of the support system for full pressure control without product contact. For the 12" double support system, a stainless steel inlet is separately available, so that the system can also be used for 12" short and 12" single modules.

Application

- Clarification of fermentation broths
- Removal of impurities
- Processes with demanding cleaning requirements
- Carbon removal
- ...

Technical data

Type	BIO SD 12M	BIO SD 12S	BIO SD 12D	BIO SD 16D
Batch range [L]	Up to 100	Up to 200	Up to 500	Up to 1000
Filter area [m ²]	0.33 (up to 0.675)	0.55 (up to 1.8)	1.10 (up to 3.6)	2.26 (up to 7.2)
Max. cake volume [L]	4.8	11.2	22.4	46.1
Materials of construction	316L/1.4404	316L/1.4404	316L/1.4404	316L/1.4404
No. of modules	0.5 × 12"	1 × 12"	2 × 12"	2 × 16"
Max. operating pressure at 25 °C	0 – 3 bar	0 – 3 bar	0 – 3 bar	0 – 3 bar
Capacity [L] (empty housing)	13.6	25	51	90

