

Enclosed filtration system

With stainless steel chassis and plastic filter plates and frames (polypropylene). The sheet filter **HERMETIX 400 P** is an enclosed filtration system that caters for the special requirements of the biotechnological and pharmaceutical industry. The design is based on the high hygiene and purity requirements. It can be used for a wide range of applications from fractionation of blood plasma, initial cell harvest to clarification of vaccines, enzymes or antibiotics. **HERMETIX** is a multiple sheet filter in enclosed design for the filtration with depth filter sheets. The 100% hermetically sealing of the filter package without any leakages is realized by filter sheets inside and a circumferential gasket (O-ring) on each of the filter plates. This eliminates any product contact with the surrounding environment. Unique with the possibility of CIP cleaning.



HERMETIX 400 P

Technical data

Operation pressure	max. 6 bar
Temperature	at -10 °C - +65 °C
CIP cleaning without filter sheet	max. 2 bar at 65 °C

Materials

Product wetted parts	Stainless steel AISI 316 L
Roughness	< 0.8 µm
Polypropylene	< 0.8 µm
Other parts	Stainless steel AISI 304
Gaskets/O-rings	Silicone, EPDM, Viton, FEP-coated (with FDA certification)

Other materials on request

Fittings

In- and outlet	TC - DN 25/1"
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STRASSBURGER
FILTER 

Filter plates/frames

Material	Polypropylene	
Filter plate	Filtration area: 0.20 m ²	
Filter frame 15 mm	Volume:	1.65 l total/ 1.5 l eff.
Filter frame 20 mm	Volume:	2.2 l total/ 2.0 l eff.
Filter frame 25 mm	Volume:	2.75 l total/ 2.5 l eff.
Filter frame 30 mm	Volume:	3.3 l total/ 3.0 l eff.

Hydraulic closing of plate package

Cylinder with mechanical locking
Pneumatical or electrical operation

Options

Signal exchange with PCS
Design in conformity with ATEX
movable

PLATE AND FRAME SHEET FILTER HERMETIX 400 P



Filter plate with nub drainage profile and O-ring

Special features

Hermetically sealed with filter sheets inside and circumferential gasket (O-ring)

CIP-/SIP-compatible

Complete draining and venting due to CIP design

Filter frames without any dead spaces

Flexibility by different widths of filter frames

Easy to clean thanks to hygienic GMP design of chassis (angled surfaces)

Highest surface quality and processing

Filter plates with nub drainage profile for better liquid distribution

Sheet filter HERMETIX 400 P

Cake frame mm	Filter area m ²	Volume eff. l	Filter plate / frame Pieces	Filter sheets Pieces	Weight kg	Dimensions mm	Stroke mm
Type HERMETIX 400 P/25						2150 x 670 x 1300	400
15	2.4	18.0	11/12	25	555		
20	2.2	22.0	10/11	23	552		
25	2.0	25.0	9/10	21	548		
30	1.8	27.0	8/9	18	545		
Type HERMETIX 400 P/50						2850 x 670 x 1300	500
15	5.0	37.5	24/25	51	665		
20	4.6	46.0	22/23	47	662		
25	4.2	52.5	20/21	43	658		
30	3.8	57.0	18/19	39	655		
Type HERMETIX 400 P/75						3500 x 670 x 1300	600
15	7.6	57.0	37/38	77	750		
20	6.6	66.0	32/33	67	748		
25	6.0	75.0	29/30	61	745		
30	5.6	84.0	27/28	57	740		
Type HERMETIX 400 P/100						4200 x 670 x 1300	700
15	10.0	75.0	49/50	101	855		
20	9.0	90.0	44/45	91	852		
25	8.2	102.5	40/41	83	848		
30	7.6	114.0	37/38	77	845		

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Here mentioned data and information are indicative and may vary in offer and order case.