

Enclosed filtration system

With stainless steel chassis and plastic filter plates and frames (polypropylene). The sheet filter **HERMETIX 600 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 (optional filter cloth or paper). 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 and SIP sterilisation.



HERMETIX 600 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

Parts in contact with product	Stainless steel AISI 316 L Polypropylene
Roughness	< 0.8 µm
Polypropylene	< 0.8 µm (except for the areas around the eyes)
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 50 / 2"
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STRASSBURGER
FILTER 

Filter plates/frames

Material	Polypropylene
Filter plate	Filtration area: 0.53 m ²
Filter frame 15 mm	Volume: 3.8 l total/ 3.4 l eff.
Filter frame 20 mm	Volume: 5.0 l total/ 4.5 l eff.
Filter frame 25 mm	Volume: 6.2 l total/ 5.6 l eff.
Filter frame 30 mm	Volume: 7.5 l total/ 6.7 l eff.

Bulkhead plate to shorten the plate package

Hydraulic closing of plate package

Pneumatical or electrical operation
Cylinder with mechanical locking

Options

Drip-proof filter plates without O-ring
Signal exchange with PCS
Design in conformity with ATEX

PLATE AND FRAME SHEET FILTER HERMETIX 600 P



Filter plate with nub drainage profile and O-ring

Special features

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

CIP-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 600 P

Cake frame mm	Filter area m ²	Volume eff. l	Filter plate/ frames Pieces	Filter sheets Pieces	Weight kg	Dimensions mm	Hub mm
Type HERMETIX 600 P / 50						3200 x 1010 x 1500	600
15	13.25	85	24/25	51	1830		
20	11.66	99	21/22	45	1818		
25	10.60	112	19/20	41	1804		
30	10.07	127	18/19	39	1805		
Type HERMETIX 600 P / 100						4600 x 1010 x 1500	800
15	26.50	170	49/50	101	2453		
20	24.38	207	45/46	93	2457		
25	22.26	235	41/42	85	2434		
30	20.67	261	38/39	79	2421		
Type HERMETIX 600 P / 150						5750 x 1010 x 1500	1600
15	39.75	255	74/75	151	3005		
20	36.04	306	67/68	137	2996		
25	32.86	347	61/62	125	2960		
30	30.21	382	56/57	115	2931		
Type HERMETIX 600 P / 200						6950 x 1010 x 1500	1000
15	53.00	340	99/100	201	3613		
20	47.70	405	89/90	181	3590		
25	43.46	459	81/82	165	3541		
30	39.75	503	74/75	151	3495		

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