



NOVOX® CPP / NOVOX® CPE

Closed stainless steel plate & frame filter

Description

The NOVOX® CP is a high precision stainless steel plate & frame filter designed and built for industrial applications. Unique design of the NOVOX® CP with framed seals allows a CIP cleaning without sheets. High precision construction of the plate & frame assembly, and the hydraulic closing mechanism, combined with high-performance FILTROX filter sheets, contribute to no drip-loss. We provide four different types:

CPP-I = pneumatic hydraulic with stainless steel plate and frames
 CPE-I = electric hydraulic with stainless steel plate and frames
 CPP-P = pneumatic hydraulic with polypropylene plate and frames
 CPE-P = electric hydraulic with polypropylene plate and frames

Application

- Pharma and Biotech
- Cosmetics
- Industrial
- Natural extracts
- Critical solutions
- Raw materials
- ...

Technical data

	NOVOX® 400 CPP-I or CPE-I	NOVOX® 600 CPP-I or CPE-I	NOVOX® 800 CPP-I or CPE-I
Filter area per sheet [m²]	0.12	0.33	0.60
Usable cake volume per cake frame [L]	0.72 (10 mm) 2.52 (25 mm) 4.32 (40 mm)	1.98 (10 mm) 6.93 (25 mm) 11.88 (40 mm)	3.6 (10 mm) 12.6 (25 mm) 21.6 (40 mm)
Max. filter area per filter Version sheet filtration [m²]	14.64	62.04	127.20
Max. filter area per filter Version cake filtration [m²]	14.64 (10 mm) 9.12 (25 mm) 6.72 (40 mm)	62.04 (10 mm) 39.60 (25 mm) 29.04 (40 mm)	127.20 (10 mm) 81.60 (25 mm) 60.00 (40 mm)
Max. usable cake volume [L]	43.92 (10 mm) 95.76 (25 mm) 120.96 (40 mm)	186.1 (10 mm) 415.8 (25 mm) 522.7 (40 mm)	381.6 (10 mm) 856.8 (25 mm) 1080.0 (40 mm)
Max. operating pressure	6 bar	6 bar	6 bar
Max. operating temperature	135 °C (with EPDM Gaskets)	135 °C (with EPDM Gaskets)	135 °C (with EPDM Gaskets)
Connections	1" Triclamp (ASME-BPE)	2" Triclamp (ASME-BPE)	2-1/2" Triclamp (ASME-BPE)

Filter configuration

	NOVOX® 400 CPP-I or CPE-I	NOVOX® 600 CPP-I or CPE-I	NOVOX® 800 CPP-I or CPE-I
Material filter plates and cake frames	Stainless steel (316L)	Stainless steel (316L)	Stainless steel (316L)
Thickness filter plates	10 mm	10 mm	10 mm
Thickness cake frames	10 mm 25 mm 40 mm	10 mm 25 mm 40 mm	10 mm 25 mm 40 mm
Gaskets	Silicone Viton EPDM	Silicone Viton EPDM	Silicone Viton EPDM
Material without product contact*	Stainless steel (304)	Stainless steel (304)	Stainless steel (304)
Movable	Yes	No (on request)	No (on request)
Diversion plate	Yes	Yes	Yes
Closing mechanism	Electric hydraulic Pneu. hydraulic	Electric hydraulic Pneu. hydraulic	Electric hydraulic Pneu. hydraulic

* except hydraulic components, slide barring, caster, and small parts

Technical data

	NOVOX® 400 CPP-P or CPE-P	NOVOX® 600 CPP-P or CPE-P	NOVOX® 800 CPP-P or CPE-P	NOVOX® 1000 CPP-P or CPE-P
Filter area per sheet [m²]	0.11	0.28	0.44	0.74
Usable cake volume per cake frame [L]	1.76 (20 mm) 2.31 (25 mm) 2.86 (30 mm) 3.96 (40 mm)	4.48 (20 mm) 5.88 (25 mm) 7.28 (30 mm) 10.08 (40 mm)	7.04 (20 mm) 9.24 (25 mm) 11.44 (30 mm) 15.84 (40 mm)	11.84 (20 mm) 15.54 (25 mm) 19.24 (30 mm) 26.64 (40 mm)
Max. filter area per filter Version sheet filtration [m²]	5.94 (54 sheets)	23.52 (84 sheets)	40.48 (92 sheets)	customised
Max. filter area per filter Version cake filtration [m²]	6.60 (20 mm) 5.94 (25 mm) 5.50 (30 mm) 4.84 (40 mm)	25.2 (20 mm) 23.5 (25 mm) 21.8 (30 mm) 19.0 (40 mm)	45.76 (20 mm) 42.24 (25 mm) 38.72 (30 mm) 33.44 (40 mm)	customised
Max. usable cake volume [L]	52.80 (20 mm) 62.37 (25 mm) 57.75 (30 mm) 87.12 (40 mm)	202 (20 mm) 247 (25 mm) 284 (30 mm) 343 (40 mm)	366 (20 mm) 443 (25 mm) 503 (30 mm) 602 (40 mm)	customised
Max. operating pressure	6 bar @ -10 / +40 °C	6 bar @ -10 / +40 °C	6 bar @ -10 / +40 °C	5 bar @ -10 / +40 °C
Max. operating temperature	85 °C @1.5 bar	85 °C @1.5 bar	85 °C @1.5 bar	85 °C @1.5 bar
Connections	1" Triclamp (ASME-BPE)	1-1/2" Triclamp (ASME-BPE)	2" Triclamp (ASME-BPE)	2-1/2" Triclamp (ASME-BPE)

Filter configuration

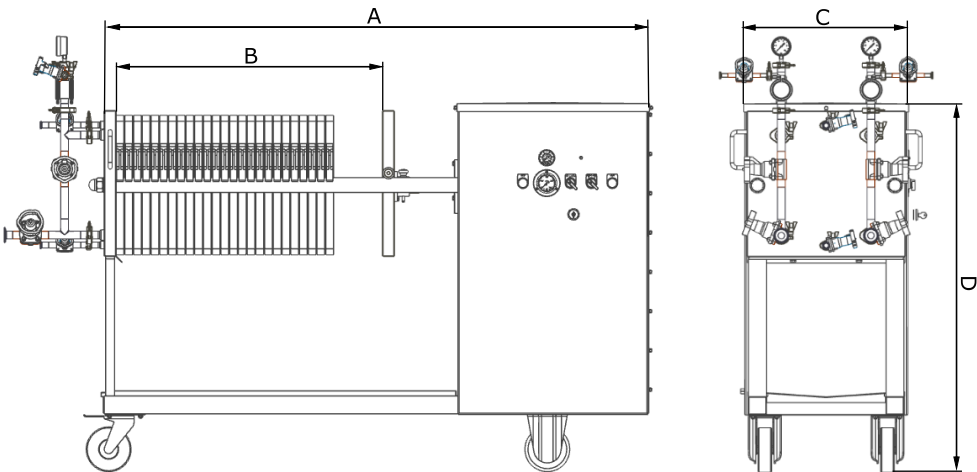
	NOVOX® 400 CPP-P or CPE-P	NOVOX® 600 CPP-P or CPE-P	NOVOX® 800 CPP-P or CPE-P	NOVOX® 1000 CPP-P or CPE-P
Material filter plates and cake frames	Polypropylen PPC	Polypropylen PPC	Polypropylen PPC	Polypropylen PPC
Thickness filter plates	25 mm	26 mm	28 mm	28 mm
Thickness cake frames	20 mm 25 mm 30 mm 40 mm	20 mm 25 mm 30 mm 40 mm	20 mm 25 mm 30 mm 40 mm	20 mm 25 mm 30 mm 40 mm
Gaskets	Silicone Viton EPDM	Silicone Viton EPDM	Silicone Viton EPDM	Silicone Viton EPDM
Material without product contact*	Stainless steel (304)	Stainless steel (304)	Stainless steel (304)	Stainless steel (304)
Movable	Yes	No (on request)	No (on request)	No
Diversion plate	On request	On request	On request	On request
Closing mechanism	Electric hydraulic Pneu. hydraulic	Electric hydraulic Pneu. hydraulic	Electric hydraulic Pneu. hydraulic	Electric hydraulic Pneu. hydraulic

* except hydraulic components, slide barring, caster, and small parts

Dimensions [mm]

		NOVOX® 400 CP	NOVOX® 600 CP	NOVOX® 800 CP	NOVOX® 1000 CP
A	Size 1	1569	2840	3870	customised
	Size 2	2100	3530	4400	
	Size 3	2753	4060	4850	
B	Size 1	636	1397	2114	customised
	Size 2	1168	2087	2658	
	Size 3	1680	2617	3100	
C		540	910	1165	1466
D		1225 (movable)	1150	1520	1620

NOVOX® 400 CPP or CPE



NOVOX® 600, 800, 1000 CPP or CPE

