



Filtertechnik Jäger GmbH

Cora®Pleat CPB Filter Element

Pleated Filter Element for High Flow Filter Housings

Large filter area up to 10 m² **

Long lifetime and high dirt hold capacity

Flow rate up to 115 m³/h on a 60"-element

Series A with absolute particle retention 1-10 µm (99%)*

Series N with nominal particle retention 1-125 µm

Multiple layer filter media construction

Bypass free O-ring sealing

Robust design for heavy duty use

Flow direction from inside to outside

Impurities collected inside the element

Easy, fast and clean filter change out

Only one material for easy disposal

Suitable for all High Flow Housings





Cora®Pleat CPB

Cora®Pleat CPB, a filter element with pleated filter media. The large diameter and the element length offers a significantly high filter area making filtration applications possible with high flow rates and a maximum of filter efficiency.

With the high number of available filter media it can be realized to manufacture filter elements with low pressure drop, high dirt holding capacity and process applicable filter efficiency.

All filter components, except the gaskets, made from pure polypropylene and are thermally bonded. This results in no

extractable substances (no binder) and reliable integrity of the element.

Inside to outside flow direction configuration. All debris collected stays inside the filter and is with it easily and clean disposed.

Cora®Pleat CPB -Filter elements are designed for the use with High Flow Filter housings. The large filter area of the Cora®Pleat CPB elements, high possible flow rates and dirt hold capacity allow extremely economical filter installations = smaller filter housings, less installation space and lower investment cost.



A fully homogeneous and welded filter element from one material = Polypropylene.

Technical data:

Material for all components: Polypropylene PP
 Special design: possible on request
 Gasket material optional: B = NBR (Nitrile-Butadiene-Rubber)
 E = EPDM (Ethylene-Propylene-Diene-Rubber)
 V = FKM (Fluor-carbon elastomere)
 S = SI (Silicone)

Dimensions: 20: Ø 152 (160) x 522 mm long
 40: Ø 152 (160) x 1038 mm long
 60: Ø 152 (160) x 1541 mm long

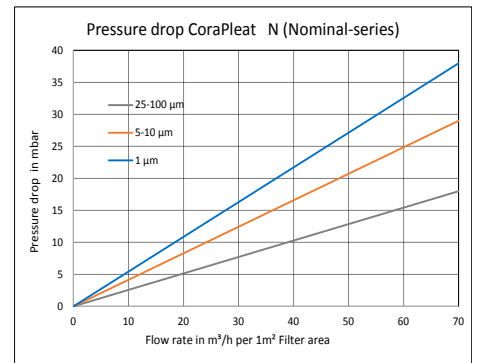
Available adapter: Type A (Ø 160mm)
 Filter area: up to 7,5m² in relation to element size 40 and filter material

Max. operating temperature: 80°C

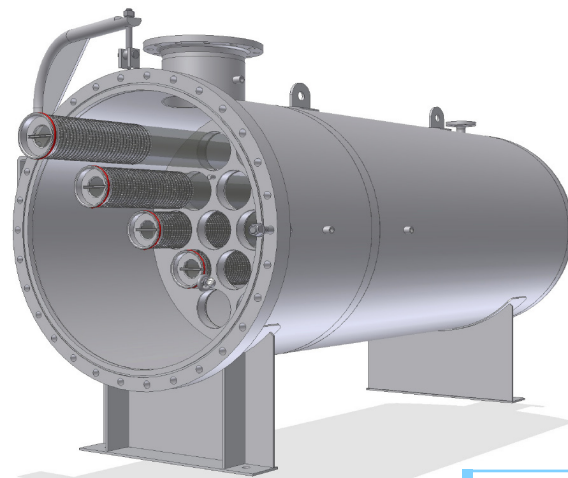
Max. differential pressure: 3,5 bar / 20°C
 Recommended change out at: 0,8 up to max. 2,4 bar

Max. flow rate***: 20: 40 m³/h
 40: 80 m³/h
 60: 115 m³/h

Depending on application and particle load a lower value is recommended.
 For assistance contact FILTERTECHNIK JÄGER GMBH.



Typical pressure drop for standard filter media



Product code
 Cora®Pleat CPB

TYPE CPB = Cora®Pleat	Size 20: Ø 152 x 522 mm 40: Ø 152 x 1038 mm 60: Ø 152 x 1541 mm	Type of separation N = Nominal A = Absolute	Gasket material B = NBR E = EPDM V = FKM S = SI (Silikon)
CPB-	A-	40-	B
	Series A = Standard adapter	Material PP = Polypropylene PES/PP = Polyester/Polypropylene	Filter rating A 1,- 3,- 5,- 10, N-1,- 3,- 5,- 10,- 25,- 50,- 100, 125 µm

* depending on type of filter material and test conditions. ** depending on type of filter media.
 *** depending on filter rating and process condition
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