INDUSTRIAL FILTRATION

Liquid and process filtration



Filter cartridges

OVERVIEW

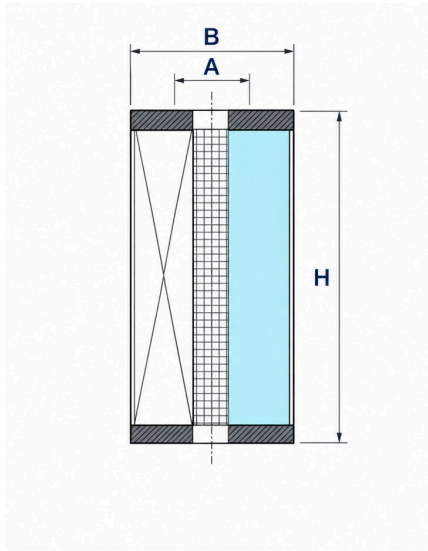
Model index

MODEL	RANGE	PAGE
TL / BTL	Pleated polyester - TL / BTL (Big Blue)	**03**
DOE / TW1 / TW2	PTFE membrane cartridges	**04**
CW	Activated carbon cartridges	**05**
AC	Micro-expanded metal mesh	**06**
ACP	Pleated metal mesh	**07**
FA / BFA	String-wound polypropylene - BFA (Big Blue)	**08**
CI	Cotton cartridges	**09**
PPE	Melt-blown polypropylene	**10**
ST	EDM filter cartridge	**11**
SP1 / SP2	EDM filter cartridges	**12**
ZPZ	Biogas filter cartridges	**13**

Pleated polyester - TL / BTL



Pleated polyester versions



H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

Large filtration area for removing sediment and fine particles from water. For domestic and industrial use, swimming pools and spas.

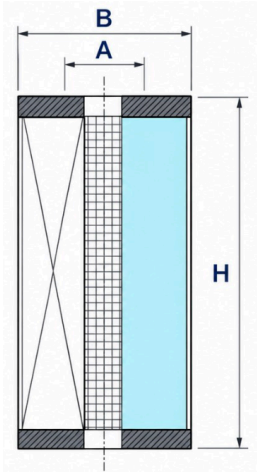
Series	ID / OD	Height	Filtration rating
TL	26 / 70	4"–40"	0.5 - 1 - 5 - 10 - 20 - 50 µm
BTL (Big Blue)	28 / 110	10″–40″	0.5 - 1 - 5 - 10 - 20 - 50 µm

FEATURES

Filter media: pleated polyester. Support: polypropylene. Max. temperature: 45 °C.
Membrane versions available with ratings down to 0.5 µm.

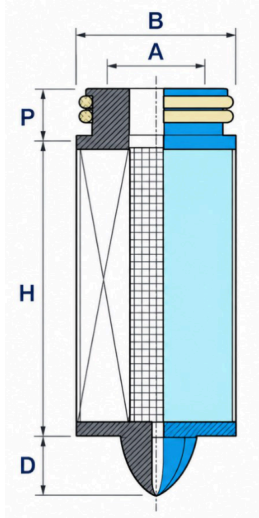
PTFE membrane cartridges





DOE · standard end fitting





TW1 / TW2 · quick-connect fitting

H Height ØA / ØB Inside / outside diameter D / P End fitting dimensions

APPLICATIONS

Chemical and pharmaceutical processes, air and gas, food and beverage, high-purity water and custom OEM applications.

Series	End fitting	ID / OD	D / P	Length	Filtration rating
DOE	Standard	28 / 70 mm	—	5″–40″	0.2–10 µm
TW1	Quick-connect	45 / 68 mm	50 / 16 mm	10″–40″	0.2–10 µm
TW2	Quick-connect	58 / 68 mm	50 / 21 mm	10″–40″	0.2–10 µm

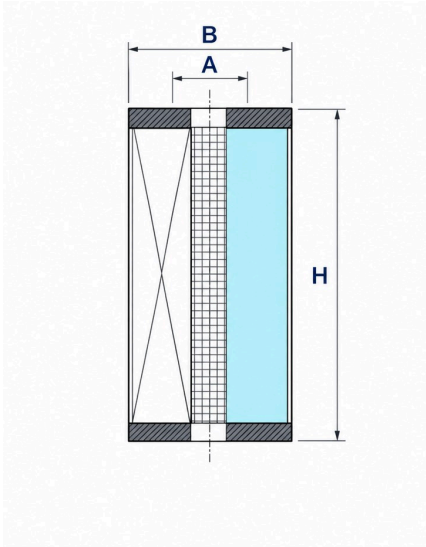
FEATURES

Hydrophobic PTFE membrane for air and gas flow. Cartridges are individually tested and designed for structural stability and long service life.

Filter media materials are declared compliant with applicable FDA 21 CFR requirements.

Activated carbon cartridges - CW





H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

Water treatment to reduce chlorine, odours, tastes and volatile organic compounds in domestic and technical applications.

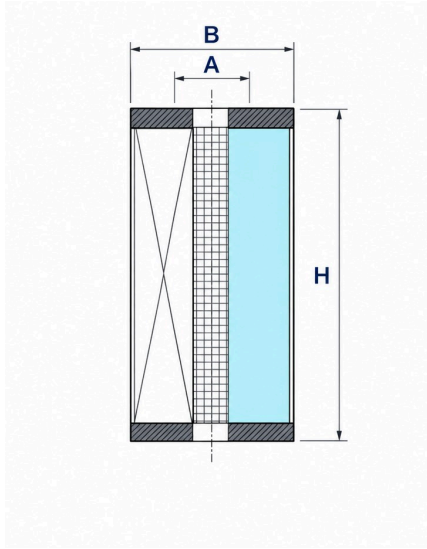
Series	ID / OD	Height	Material
CW	28 / 65	5"–20"	Granular carbon

FEATURES

Filter media: granular activated carbon. Support: polypropylene. Max. temperature: 45 °C.

Micro-expanded metal mesh - AC





H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

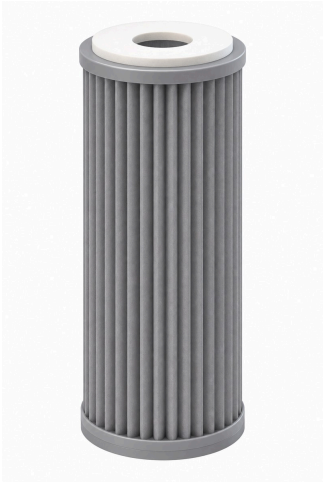
Cleanable stainless steel cartridge for applications requiring mechanical strength and resistance to heat and chemicals.

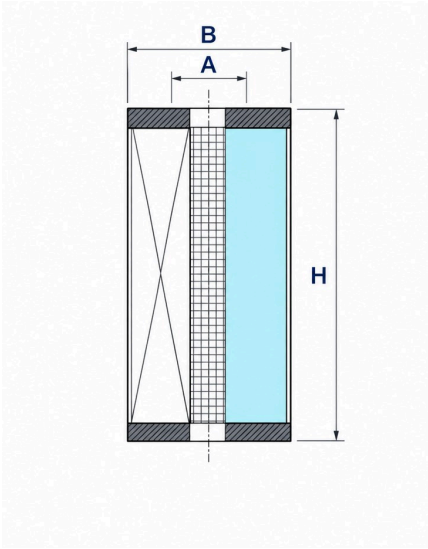
Series	ID / OD	Height	Filtration rating
AC	27 / 70	10"–40"	10–500 µm

FEATURES

Filter media: micro-expanded metal mesh. Support: stainless steel. Max. temperature: 90 °C.
Clean with water, solvents or ultrasound, depending on compatibility.

Pleated metal mesh - ACP





H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

Cleanable stainless steel cartridge for applications requiring mechanical strength and resistance to heat and chemicals.

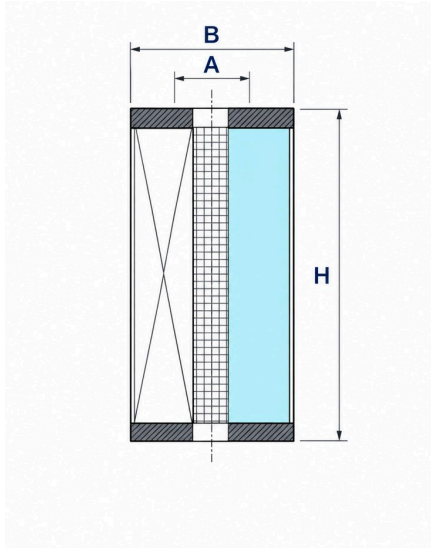
Series	ID / OD	Height	Filtration rating
ACP	27 / 70	10"–40"	10–500 µm

FEATURES

Filter media: pleated metal mesh. Support: stainless steel. Max. temperature: 90 °C.
Clean with water, solvents or ultrasound, depending on compatibility.

String-wound polypropylene - FA / BFA (Big Blue)





H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

Sediment removal for domestic and industrial use, including chemical, petrochemical, photographic, electroplating and pharmaceutical applications.

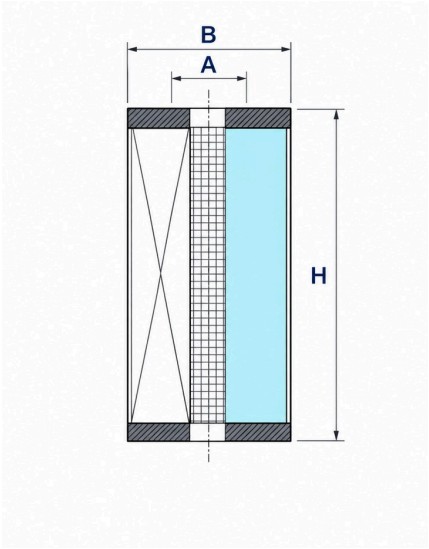
Series	ID / OD	Height	Filtration rating
FA	28 / 65	4"–40"	1–100 µm
BFA (Big Blue)	28 / 110	10"–20"	1–100 µm

FEATURES

Filter media: string-wound polypropylene. Support: polypropylene. Max. temperature: 45 °C.

Cotton cartridges - CI





H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

Cartridges for removing coarse sediment in domestic and industrial applications at operating temperatures up to 85 °C.

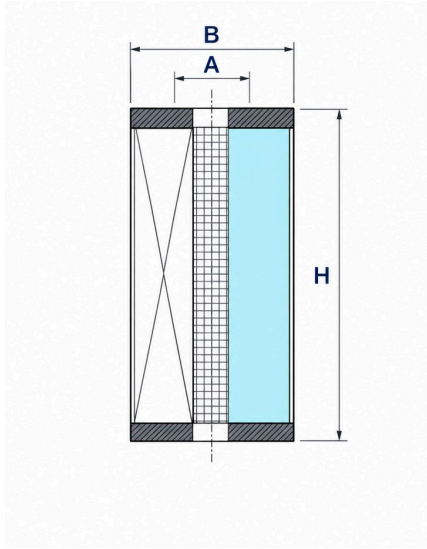
Series	ID / OD	Height	Filtration rating
CI	28 / 65	4"–40"	1–100 µm

FEATURES

Filter media: cotton. Support: stainless steel. Max. temperature: 85 °C.

Melt-blown polypropylene - PPE





H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

Sediment filtration in water and process fluids. Domestic and industrial use in chemical, petrochemical, photographic, electroplating and pharmaceutical applications.

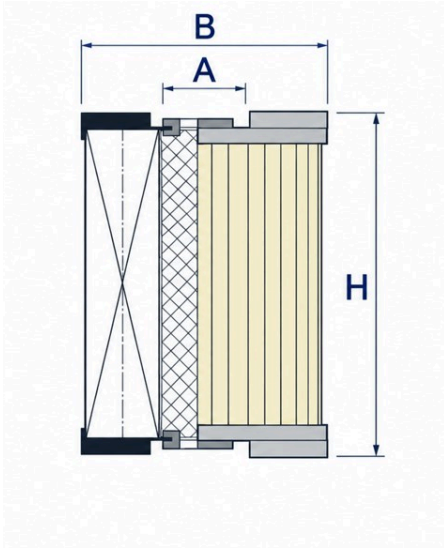
Series	ID / OD	Height	Filtration rating
PPE	28 / 65	4"–40"	1–100 µm

FEATURES

Filter media: melt-blown polypropylene. Support: polypropylene. Max. temperature: 70 °C.

EDM filter cartridge - ST





H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

Removal of metal particles from dielectric fluids used in electrical discharge machining (EDM).

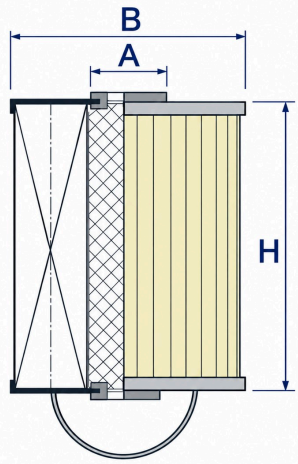
Series	ID / OD	Height	µm	m²
ST	32 / 150	372	1–25	2.5

FEATURES

Filter media: cellulose. Structure: polypropylene. Max. temperature: 60 °C.

EDM filter cartridges - SP1 / SP2





H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

Removal of metal particles from dielectric fluids used in electrical discharge machining (EDM).

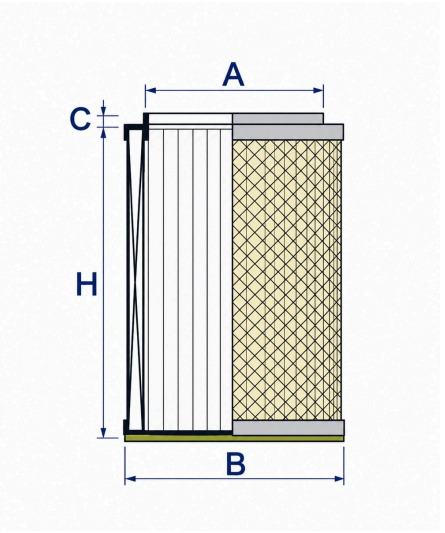
Series	ID / OD	Height	µm	m²
SP1	32 / 150	360	1–25	2.5
SP2	32 / 190	360	1–25	3.5

FEATURES

Filter media: cellulose. Structure: metal. Max. temperature: 60 °C.

Biogas filter cartridges - ZPZ





H Height **ØA** Inside diameter **ØB** Outside diameter

APPLICATIONS

Removal of solid particles from biogas to protect engines, turbines, burners and valves in power generation and combined heat and power plants.

Series	ID / OD	C	Height	µm
ZPZ50	54 / 80	9	150	5–25
ZPZ80	76 / 106	9	296	5–25
ZPZ100	105 / 130	9	376	5–25
ZPZ150	152 / 182	9	556	5–25

FEATURES

Filter media: cellulose. Support: metal. Max. temperature: 60 °C.

SELECTION

Selecting the right process filter



Share your application data with CEAN to help identify the most suitable filter.

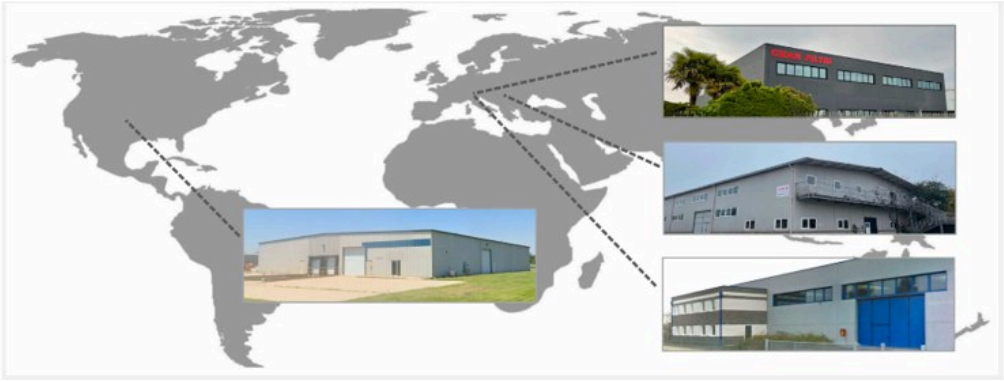
PROCESS DATA
Fluid and composition
Required flow rate
Temperature and pressure
Required filtration rating
Contaminant type and concentration
Housing dimensions and connections
Allowable pressure drop

The values shown describe the range. Final selection requires checking operating conditions and chemical compatibility. Nominal ratings do not automatically constitute absolute ratings.

About CEAN

Filtration expertise across industries.

CEAN designs and manufactures filter elements to protect people, processes and equipment. From dust collection and air treatment to liquid and gas filtration, we develop solutions for a wide range of needs with one goal:
selecting the right filter for each application.



Italy · Romania · United States

45+
years in business

3,000+
products manufactured

3
companies worldwide

Manufacturing investment, flexibility and in-house laboratory testing help equipment manufacturers and users select filter materials, designs and end fittings.

A complete filter range.
Support for your application.

From filter media selection to replacement filters, CEAN helps equipment manufacturers, distributors and users select the right filtration solution.

CEAN FILTRI S.r.l.

Via Torino, 8
35035 Mestrino (Padova) · Italy

Tel. +39 049 9003533

info@ceanfiltri.it

sales@ceanfiltri.it

www.ceanfiltri.it

LOCAL REPRESENTATIVE OR DISTRIBUTOR

Air filtration · Dust collection · Liquids and gases