



Filter Cartridges: Clarywound Extreme

String Wound Filter Cartridges

GopaniTM

Clarywound

Right Yarn, Right Winding, Right Quality, Right Testing, Right Filtration.



Clarwound Extreme

The Art & Science of True Depth Filtration.

Clarwound filter cartridges manufactured by Gopani are backed by years of filtration experience combined with state-of-the-art manufacturing technology and a well-equipped test laboratory. Clarwound cartridge filters are manufactured using a continuous winding process that creates a superior high performance filter with hundreds of diamond shaped tunnels that get progressively smaller from the outer diameter to the core. Smaller/Finer particles are progressively trapped as fluid travels to the center of the cartridge allowing for much greater retention capacity.

Clarwound filter cartridge offer true depth filtration with high flow capacity, less pressure drop and extremely low media migration. Because of specially designed winding patterns and controlled density these cartridges have high dirt holding capacity which results in longer life, less downtimes and savings in labor/replacement cost.

Availability of these string wound cartridges in various combinations of media and core material make them ideal for use with many chemical applications and temperature demands. Clarwound filter cartridges are an excellent choice as pre-filters to protect expensive downstream filtration equipments. Clarwound cartridges can also be provided with different plastic end caps to fulfill fitment criteria, interchangeability for every filter line and for every industry.

Specification

Materials:	Filter Media	Polypropylene , Cotton , Glass-Fiber (Nylon, Rayon, Polyester, Other yarn types on request)
	Core	Polypropylene , Glass filled Polypropylene , SS (304/304L/316/316 L), Tinned Steel (Other types on request)
	End Caps	Polypropylene
	“O”-ring / Gasket	Silicon, FKM, Buna-N, EPDM
Retention rating:	0.5, 1, 5, 10, 20, 25, 50, 100, 150 µm	
Surface area:	Standard (OD 61 mm)	≥ 0.52 ft ² per 10” cartridge length
	Jumbo (OD 110 mm)	≥ 0.94 ft ² per 10” cartridge length
Maximum operating conditions:	Recommended change-out differential pressure*	0.14 MPa (1.4 bar; 20.3 psid) @ 21°C (69.8°F)
	Maximum operating temperature	70°C (158°F) [Polypropylene with Polypropylene]
		120°C (248°F) [Cotton with SS core]
		121°C (248.9°F) [Polyester with SS core]
		140°C (284°F) [Nylon with SS core]
		140°C (284°F) [Rayon with SS core]
350°C (662°F) [Glass fiber with SS core]		
Dimensions (nominal):	Length	9.75”, 10”, 20”, 30”, 40”, 50”,60”, 70”
	Standard OD/ID	61±0.5 / 27.5±0.5 mm
	Jumbo OD/ID	110±0.5 / 27.5±0.5 mm
	Premium OD/ID	63±0.5 / 27.5±0.5 mm

Other OD & available on request

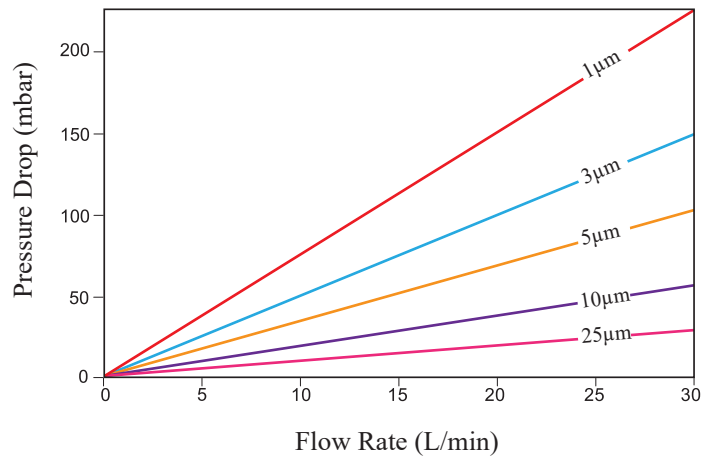
Quality & Performance

Gopani filter cartridges are designed and manufactured for resistance to a wide range of chemical solutions. Conditions will vary with each application and users should carefully verify chemical compatibility. Please contact your Gopani representative for more information.

Gopani certifies that it uses no resin binders, lubricants, antistatic or release agents, in the manufacturing of these filter cartridges.

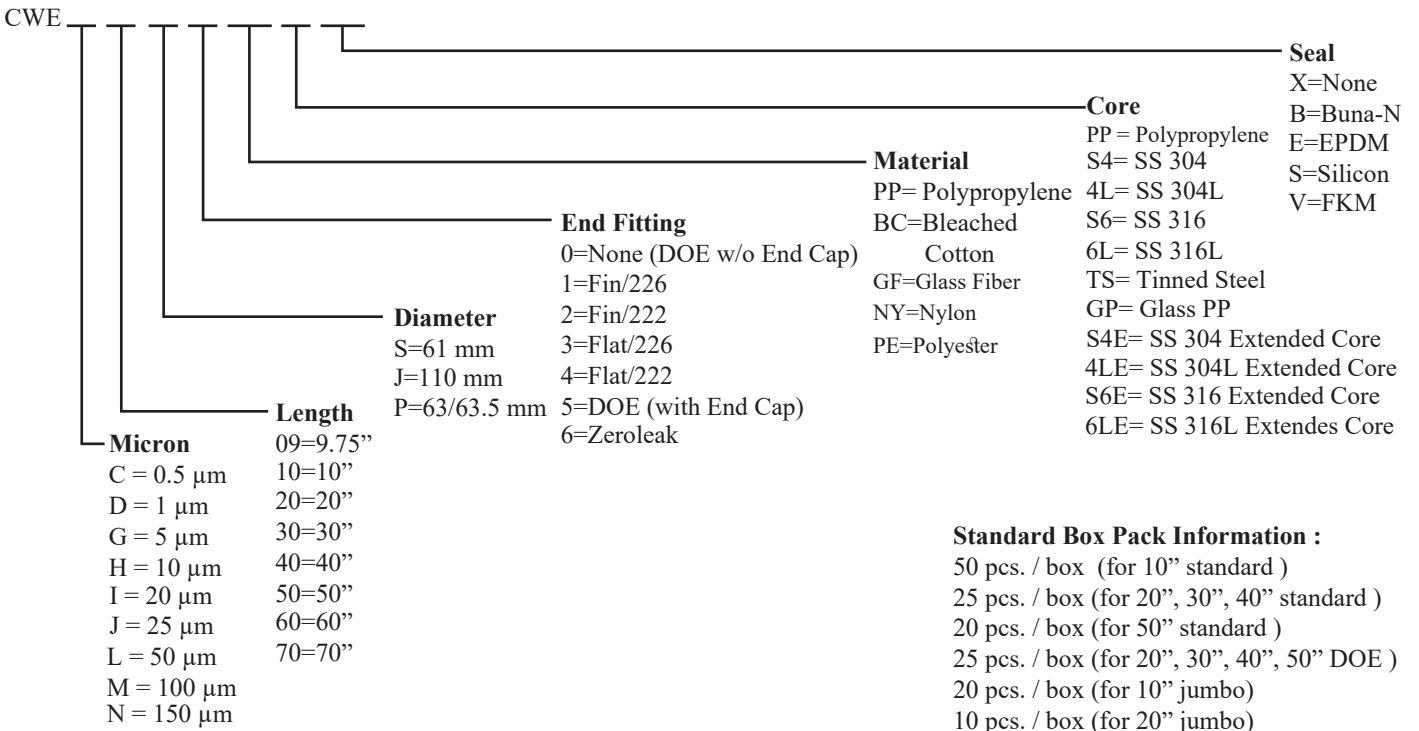
Unit conversion: 1bar=100kPa=14.5psi
 Flow rate is for a 254 mm (10inch) cartridge.
 For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Clarywound Extreme 10" Cartridge Filters



Ordering Information

Clarywound Extreme Part Number Generation

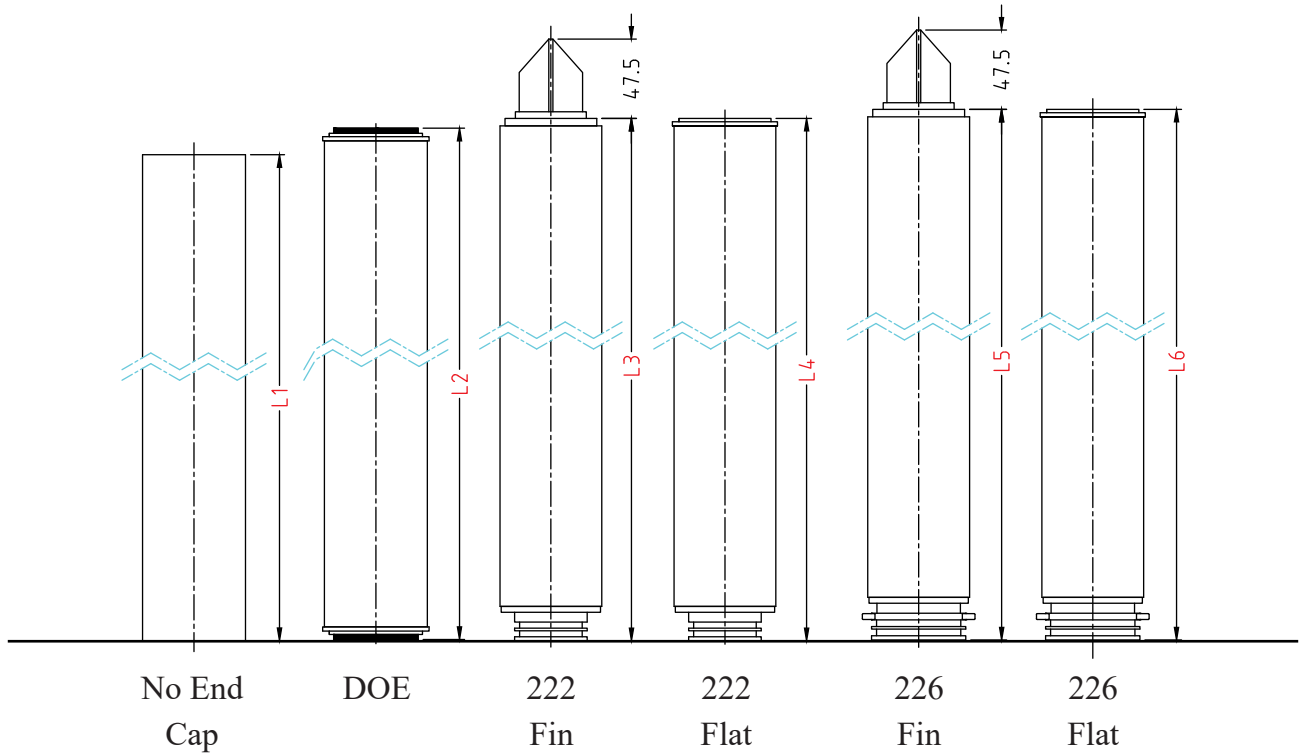


Clarywound cartridges are readily available for your convenience. We also offer scheduled delivery service to fulfill your annual requirement of cartridges. Please contact your Gopani Executive for further information.

Disclaimer

The information contained within this catalog and the specifications mentioned are intended to provide information about products available for purchase from the Gopani group of companies ("Gopani"). All reasonable efforts have been made to ensure the accuracy of the information. However, Gopani cannot be held responsible for any errors or unexpected un-fulfillment of product or performance. Gopani does not warrant the accuracy and reserves the right to make changes to the catalog and product specifications at any time without prior notice.

Dimensions



Filter	10"	20"	30"	40"	50"
L1	254 mm ±1.5 mm (10.00" ±0.04")	508 mm ±1.5 mm (20.00" ±0.06")	762 mm ±2 mm (30.00" ±0.08")	1016 mm ±2 mm (40.00" ±0.08")	1270 mm ±2 mm (50.00" ±0.08")
L2	254 mm ±1.5 mm (10.00" ±0.04")	508 mm ±1.5 mm (20.00" ±0.06")	762 mm ±2 mm (30.00" ±0.08")	1016 mm ±2 mm (40.00" ±0.08")	1270 mm ±2 mm (50.00" ±0.08")
L3	279 mm ±1.5 mm (10.98" ±0.04")	533 mm ±1.5 mm (20.98" ±0.06")	787 mm ±2 mm (30.98" ±0.08")	1041 mm ±2 mm (40.98" ±0.08")	1295 mm ±2 mm (50.98" ±0.08")
L4	280 mm ±1.5 mm (11.02" ±0.04")	534 mm ±1.5 mm (21.02" ±0.06")	788 mm ±2 mm (31.02" ±0.08")	1042 mm ±2 mm (41.02" ±0.08")	1296 mm ±2 mm (51.02" ±0.08")
L5	284 mm ±1.5 mm (11.18" ±0.04")	538 mm ±1.5 mm (21.18" ±0.06")	792 mm ±2 mm (31.18" ±0.08")	1046 mm ±2 mm (41.18" ±0.08")	1300 mm ±2 mm (51.18" ±0.08")
L6	285 mm ±1.5 mm (11.22" ±0.04")	539 mm ±1.5 mm (21.22" ±0.06")	793 mm ±2 mm (31.22" ±0.08")	1047 mm ±2 mm (41.22" ±0.08")	1301 mm ±2 mm (51.22" ±0.08")

Note : 60" and 70" cartridge dimensions available on request.

Automatic backwash filters

Crossflow tubular micro filtration

Filter systems

Filter cartridges

Filter bags

Porous plastics filter elements

Coolant filter systems

Non-woven filter media

Process filtration systems

Filter aids

Cartridge filter elements

De-Scaler for cooling towers

Effluent Treatment Plant

Sewage Treatment Plant

Zero Liquid Discharge Solutions



About us

At Gopani, we are managed by technocrats having more than 2 decades of rich experience in designing and manufacturing of Cartridge filtration systems, Bag filtration systems, Sparkler Filters, Strainers etc. from various materials like Polypropylene, Stainless Steel, Mild Steel and special alloys to relevant standards and codes for pharmaceuticals, chemical plants, Refineries and other industries.

Gopani

Gopani Product Systems has a vast and varied experience in the Filtration Industry spanning more than two decades with close and continuous relationship with renowned Manufacturers all across India and with overseas customers too. Gopani has been acknowledged in industry circles as an organization in continuous endeavor to bring the best of the Filtration technologies and products. The Team Gopani has today grown to include excellent technological brains with experience in design and manufacture, keen to assist in providing the correct and targeted solutions in the field of Filtration. Gopani values relationships with stakeholders above all and this has given the highest happiness for being in business.

I'mpurity™

Highest Possible Customer Satisfaction



Catalog Code : CWE-2019-200
Version Date : 27-06-2019

For more information, write to us at info@gopani.com

Gopani[™]

Gopani Product Systems :104 Kashi Parekh Complex, Swastik Cross Road, B/h Bhagwati Chambers, C. G. Road, Navrangpura, Ahmedabad Gujarat-380009, INDIA . Email: info@gopani.com Phone: +91-79-26441972/1951 Website: www.gopani.com