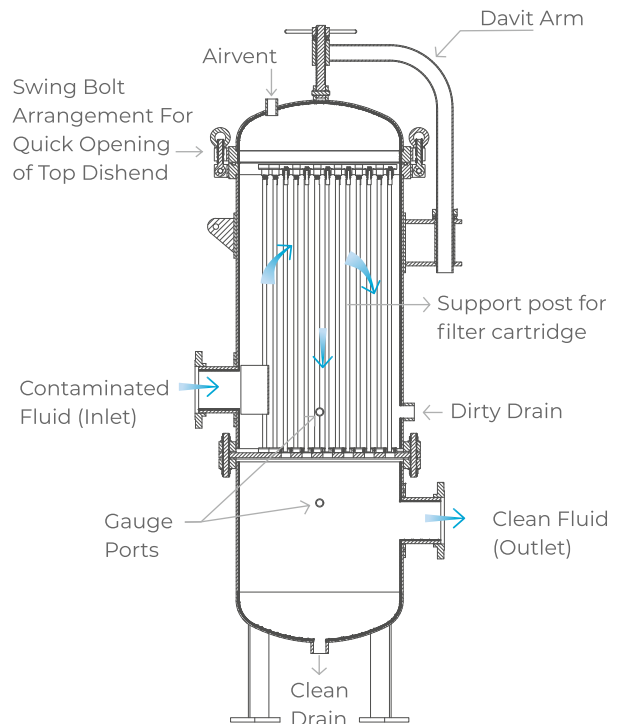


ACCUFIL CLA Series

Multi Cartridge Filter Housing

The **Accufil CLA Series** is a heavy-duty multi-cartridge filter housing engineered for corrosive liquid filtration applications where compliance with international pressure vessel standards is mandatory. Designed and manufactured in accordance with ASME Section VIII Div. 1 and PED 2014/68/EU, this model combines the strength of carbon steel construction with specialized internal coating or lining to withstand aggressive chemicals that would normally attack metallic surfaces. The housing features a removable tubesheet design, enabling complete coating access on both upstream and downstream sides, ensuring long-term corrosion protection and ease of maintenance.



Features & Benefits

ASME Sec. VIII Div. 1 and PED 2014/68/EU compliant construction:

Meets global standards for pressure vessel safety, documentation, and regulatory approval. Can be CE Marked.

Carbon steel body with high-performance internal coating or lining:

Provides long-term protection against corrosive liquids where metallic surfaces would otherwise degrade.

Exterior epoxy coating :

Delivers added resistance against atmospheric corrosion, humidity, and plant-side environmental exposure.

Removable tubesheet assembly:

Enables full access to both inlet and outlet sides of the housing, ensuring complete surface preparation and uniform coating or lining coverage.

Available in two pressure classes:

10 bar (145 PSI) and 16 bar (232 PSI), with higher pressure ratings offered on request.

Vessel Design Temperature of 125 °C (257°F):

With final rating dependent on selected coating/lining material compatibility.

Multi-cartridge configuration :

Supports high flow throughput and extended operating cycles between cartridge changes.

Supports DOE and SOE cartridge styles :

Allowing flexibility in media selection and process standardization with Ø2.5" x 40"L Standard Cartridge.

Engineered for corrosive service applications:

Offering an economical alternative to expensive metal alloys.

Applications:



Chemical & Petrochemical Plants:

Filtration of corrosive acids, solvents, brine, and process chemicals where ASME/PED compliance is mandatory.



Refineries & Gas Processing Units:

Amine systems, caustic wash circuits, sour water, and corrosion-prone liquid streams.



Pharmaceutical API & Bulk Chemical Facilities:

Filtration of aggressive intermediates and solvents in regulated production environments.



Water Treatment & Desalination Projects:

Seawater, backwash water, and high-TDS brine filtration where compliance to pressure vessel standards are mandatory.



Fertilizer & Agrochemical Manufacturing:

Filtration of strong acids like phosphoric, sulphuric, and nitric acid and other aggressive process liquids.



EPC/Turnkey Skid Packages:

Ideal for modular filtration systems that require Vessel Code Compliance for global project approvals.

Accufil CLA

Our Standard Configurations

Model No.	No. Of Cartridge Filter (Ø2.5" x 40" L)	Inlet/Outlet	Typical Flow Rate (M ³ /HR)	Typical Flow Rate (USGPM)	Housing Volume (LTR) (MAX.)
Accufil CLA-02-C01-U	2	40NB (1.5")	8	35	32
Accufil CLA-05-C02-U	5	50NB (2")	20	88	59
Accufil CLA-07-C03-U	7	65NB (2.5")	28	123	97
Accufil CLA-11-C03-P	11	65NB (2.5")	44	193	142
Accufil CLA-11-C04-U	11	80NB (3")	44	193	143
Accufil CLA-13-C04-P	13	80NB (3")	52	229	177
Accufil CLA-13-C05-U	13	100NB (4")	52	229	178
Accufil CLA-18-C05-P	18	100NB (4")	72	317	232
Accufil CLA-18-C06-U	18	125NB (5")	72	317	234
Accufil CLA-20-C05-P	20	100NB (4")	80	352	291
Accufil CLA-20-C06-U	20	125NB (5")	80	352	293
Accufil CLA-27-C06-P	27	125NB (5")	108	475	366
Accufil CLA-27-C07-U	27	150NB (6")	108	475	368
Accufil CLA-34-C06-P	34	125NB (5")	136	598	493
Accufil CLA-34-C07-U	34	150NB (6")	136	598	494
Accufil CLA-40-C06-P	40	125NB (5")	160	704	589
Accufil CLA-40-C07-U	40	150NB (6")	160	704	590
Accufil CLA-45-C07-P	45	150NB (6")	180	793	702
Accufil CLA-45-C08-U	45	200NB (8")	180	793	710
Accufil CLA-57-C07-P	57	150NB (6")	228	1003	829
Accufil CLA-57-C08-U	57	200NB (8")	228	1003	836
Accufil CLA-67-C07-P	67	150NB (6")	268	1180	917
Accufil CLA-67-C08-U	67	200NB (8")	268	1180	925
Accufil CLA-73-C08-P	73	200NB (8")	292	1285	1122
Accufil CLA-73-C09-U	73	250NB (10")	292	1285	1129
Accufil CLA-87-C08-P	87	200NB (8")	348	1532	1262
Accufil CLA-87-C09-U	87	250NB (10")	348	1532	1269
Accufil CLA-101-C08-P	101	200NB (8")	404	1779	1447
Accufil CLA-101-C09-U	101	250NB (10")	404	1779	1454
Accufil CLA-108-C08-P	108	200NB (8")	432	1902	1624
Accufil CLA-108-C09-U	108	250NB (10")	432	1902	1632
Accufil CLA-121-C09-P	121	250NB (10")	484	2130	1899
Accufil CLA-121-C10-U	121	300NB (12")	484	2130	1908

Typical Flow Rate Mentioned is for Clear Water Flow through LNG Filters brand 1 Micron PP Meltblown Filter Cartridge at 35°C & 1 cP viscosity. The values mentioned are for indicative purpose only. The selection of Filter Housing for your application depends on process parameters. Please consult our sales team to choose right product for your application.

Accufil CLA

Ordering Table

Model No.	Pressure Rating	Housing Material	Internal Surface Treatment	Gasket Material	Non-Contact Fasteners	Type of Fitment for Filter
Accufil CLA Series Model	P10 = 10 bar (145 PSI)	M1= Carbon Steel	L1= Rubber Lining	B= BUNA-N	F1= Zinc plated	D= Double Open End
	P16= 16 bar (232 PSI)	MC= Material Grade Other Than listed on Request	L2= PTFE Coating	E= EPDM	F2= Hot Dip Galvanized	S= Single Open End (222-O-ring)
			L3= ETFE Coating	N= NEOPRENE	F3= SS304	
			L4 = Halar Coating	S= Spiral wound gasket with SS316 Ring	F4= SS316	
			L5= FBE Coating	V= VITON		
			L6= Paint	P= PTFE Encapsulated Viton		
			LC= Customize Coating or Lining on request			
Example						
Accufil CLA- 121-C10-U	P10	M1	L1	N	F1	D

Ordering Code Example:

Accufil CLA-121-C10-U-P10-M1-L1-N-F1-D

Accufil CLA Series multi-cartridge filter housing, suitable for 121 NOS DOE filter cartridges of 40-inch length, with a 300 NB inlet/outlet process connection, vessel design pressure of 10 bar, constructed in carbon steel, featuring rubber lining on the internal surface, Neoprene gasket material, and zinc-plated fasteners.



MFG OF LIQUID AND GAS FILTERS

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