

AQUALINE 80CF

CARTRIDGE FILTER HOUSING FOR HIGH FLOW APPLICATIONS

CARTRIDGE FILTER HOUSING DATASHEET

ARTICLE CODE : 80CF30-60 (Code Compliant)

GENERAL INFORMATION

AquaLine 80CF30 is a cartridge filter housing of standard 8" diameter designed in accordance with ASME to meet the demands of cost effective, continuous long term use as a housing for cartridge filtration. Manufactured by CodeLine using corrosion resistant epoxy / glass composite & designed to operate at 300 psi pressure. AquaLine housing can accommodate single AquaLine cartridge of 60" long. AquaLine housings meet the demanding needs of Sea Water applications.

CERTIFICATION

- ASME Code compliant
- CE Certified

UNIQUE BENEFITS

- Quick Opening Closure Mechanism : The user friendly Quick opening closure mechanism eliminates the requirement of special tools allowing access to elements in seconds. Change-outs are very quick, saving labor time & downtime
- Corrosion Resistant FRP : Manufactured using FRP technology, AquaLine housings are hassle free & cost effective alternative to metallic housings
- Stackable Design: AquaLine housings can be mounted horizontally in a skid or RO rack, saving valuable floor space. Flexibility to install vertically too
- Modular & Scalable : AquaLine housings are modular in design and can be scaled up to higher capacities as per demand

UNIQUE FEATURES

- Designed in accordance with ASME – Section X for ASME stamping
- Super Duplex FC ports for Sea water compatibility
- 3" IPS Grooved Multi-porting option for connecting vessels to each other
- Drain port for flushing out residual water
- Air vent port for purging out air
- Mirror Finish ID for easy & quick loading & unloading of elements
- Housing exterior coated with High Gloss Polyurethane UV resistant paint

SPECIFICATION*

Model No.	Drawing No.	Design/Operating Pressure	Max. Operating Temperature	Qualification Pressure	Element Length
AQUALINE 80CF30-60 (CODE COMPLIANT)	17038	300 PSI/20 Bar	140°F/60°C	900 PSI/62 Bar	60"

* Specifications subject to change without notice (for more details refer to model specific engineering drawings)

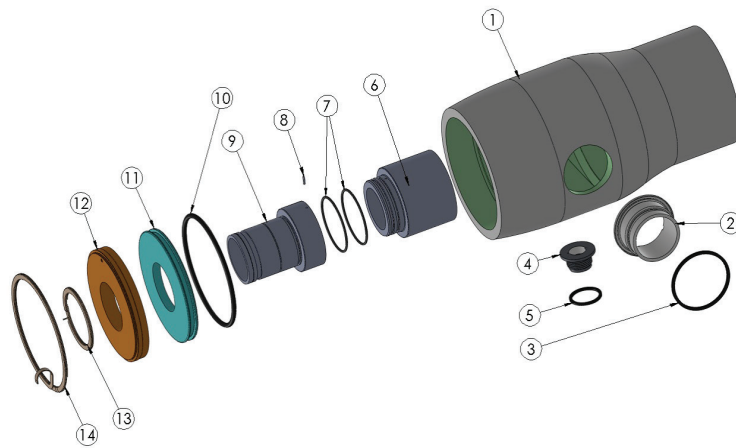
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EXPLODED VIEW & DETAILS- FEED/ PRODUCT END

A GENERIC VIEW FOR VISUAL REFERENCE ONLY



DRG REG	QTY	Description	Material	80CF30-60 Code compliant
				Part number
1	1	SHELL	Filament Wound Epoxy/Glass composites. Head Locking grooves integrally wound in place.	ORDER SECTION
2	A/R	3" F/C Port	CD3MWCuN	96327
3	A/R	3" F/C Port Seal	Ethylene Propylene	96119
4	1	1" FNPT Drain Port	CD3MWCuN	17180
5	1	1" Drain Port seal	Ethylene Propylene	45340
6	1	Product Port Adapter	CD3MWCuN	17444
7	2	Product Port Adapter seal	Ethylene Propylene	17164
8	1	Product port holding pin	Engineering Thermoplastic	17435
9	1	3" Product Port	CD3MWCuN	17441
10	1	Head Seal	Ethylene Propylene - O Ring	96000
11	1	Sealing plate -Product Side	Engineering Thermoplastic	17126
12	1	Bearing plate -Product Side	6061-T6 Aluminum Alloy - Hard Anodized	17416
13	1	3" Port Retainer Ring	316 Stainless Steel.	17127
14	1	Retaining Ring	316 Stainless Steel	47336

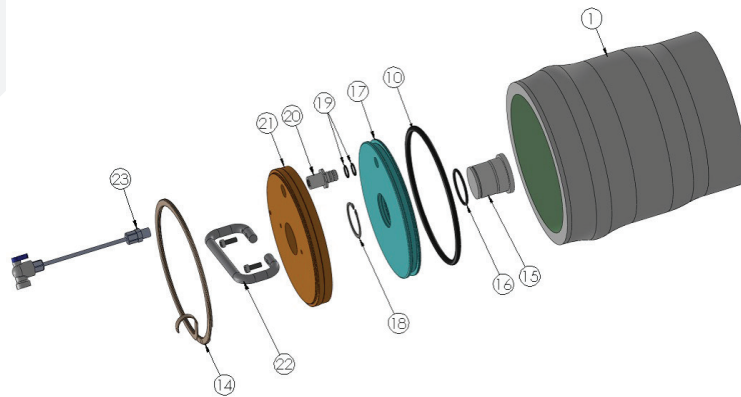
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EXPLODED VIEW & DETAILS- DEAD END

A GENERIC VIEW FOR VISUAL REFERENCE ONLY



DRG REG	QTY	Description	Material	80CF30-60 Code compliant
				Part number
1	1	SHELL	Filament Wound Epoxy/Glass composites. Head Locking grooves integrally wound in place.	ORDER SECTION
10	1	Head Seal	Ethylene Propylene – O Ring	96000
14	1	Retaining Ring	316 Stainless Steel	47336
15	1	Plug	Engineering Thermoplastic	17132
16	1	Plug Seal	Ethylene Propylene – O Ring	45312
17	1	Sealing plate –Handle side	Engineering Thermoplastic	17178
18	1	Plug Retainer Ring	316L Stainless Steel	45247
19	2	1/4" Air Vent Port Seal	Ethylene Propylene – O Ring	45286
20	1	1/4" Air Vent Port	CD3MWCuN	17433
21	1	Bearing plate –Product Side	6061-T6 Aluminum Alloy – Hard Anodized	17179
22	1	Handle Assembly	316 Stainless Steel	17104
23	1	Air Vent Assembly	Engineering Thermoplastic Assembly	17185
24*	2	Saddle	Engineering Thermoplastic	52169
25*	2	Strap Assembly	304 Stainless Steel – PVC Cushion	45042
26*	4	Strap Screw	5/16-18 UNC, 18-8 Stainless Steel.	46265

* Not shown in the above exploded view



ADVANCED FILTRATION

PENTAIR ADVANCED FILTRATION, L/52-55, VERNA INDUSTRIAL ESTATE ,VERNA ,GOA, INDIA-403 722 ADVANCEDFILTRATION.PENTAIR.COM

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