

# AQUALINE 80AQ

## CARTRIDGE FILTER HOUSING FOR HIGH FLOW APPLICATIONS

### CARTRIDGE FILTER HOUSING DATASHEET

ARTICLE CODE : 80AQ15-60 (Non coded)

#### GENERAL INFORMATION

Aqualine 80AQ15 is a cartridge filter housing of standard 8" diameter designed 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 150 psi pressure. Aqualine housing can accommodate single Aqualine cartridge of 60" long. Aqualine housings meet the demanding needs of sea water applications.

#### CERTIFICATION

- CE Certified

#### UNIQUE BENEFITS

- Quick opening / closing mechanism: The user friendly Quick opening / closing 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 on a skid or a RO rack and also offer the flexibility for vertical installations to save valuable floor space
- Modular & scalable: Aqualine housings are modular in design and can be scaled

#### UNIQUE FEATURES

- up to higher capacities as per demand
- Super duplex F / C 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
- Provision for installing feed sample valve directly on the vessel head
- Mirror finish internal surface for easy & quick loading & unloading of elements
- Housing exterior coated with high gloss polyurethane UV resistant paint

#### SPECIFICATION\*

MODEL NUMBER	DRAWING NO.	DESIGN / OPERATING PRESSURE	MAX. OPERATING TEMPERATURE	QUALIFICATION PRESSURE	ELEMENT LENGTH
AQUALINE 80AQ15-60(NC)	200268	150 PSI/10.3 Bar	113°F/45°C	900 PSI/62 Bar	60"

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

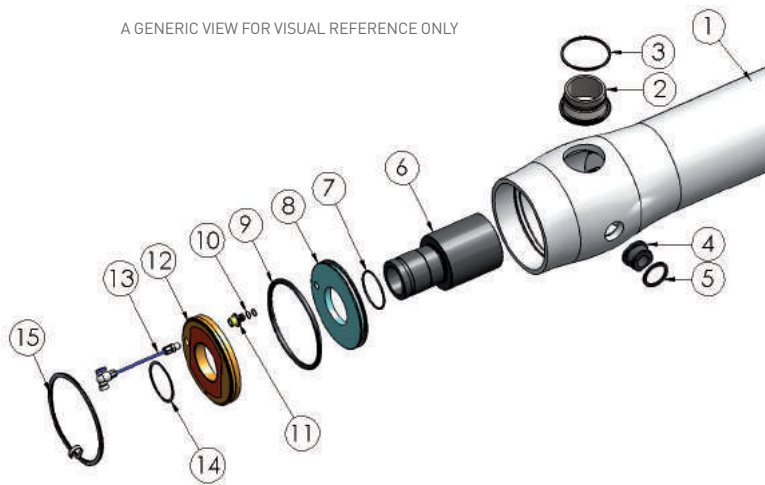
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#### EXPLODED VIEW & DETAILS - FEED / PRODUCT END

A GENERIC VIEW FOR VISUAL REFERENCE ONLY



DRG REF	QTY	DESCRIPTION	MATERIAL	80AQ15-60 NON CODED
				PART NUMBER
1	1	Shell	Filament wound epoxy / glass composites. Head locking grooves integrally wound in place	200068
2	AR	3" F / C port	CD3MWCuN (super duplex)	96327
3	AR	3" F / C port seal	Ethylene propylene	96119
4	1	1" FNPT drain port	Engineering thermoplastic	97988
4	1	1" FNPT drain port (optional)	CD3MWCuN (super duplex)	17180
5	1	1" seal (for engineering thermoplastic drain port)	Ethylene propylene – square seal	97989
5	1	1" seal (for super duplex drain port)	Ethylene propylene – square seal	45340
6	1	3" product port	Engineering thermoplastic	17187
7	1	Product port seal	Ethylene propylene – O ring	17128
8	1	Sealing plate – product side	Engineering thermoplastic	17175
9	1	Head seal	Ethylene propylene – O ring	96000
10	2	1/4" air vent port seal	Ethylene propylene – O ring	45286
11	1	1/4" air vent port	Engineering thermoplastic	17174
12	1	Bearing plate – product side	6061-T6 Aluminum alloy – hard anodized	17176
13	1	Air vent assembly	Engineering thermoplastic - assembly	17185
14	1	3" port retaining ring	316 Stainless steel	17127
15	1	Quick release spiral ring	316 Stainless steel	47336
16*	2	Saddle	Engineering thermoplastic	52169
17*	2	Strap assembly	304 Stainless steel – PVC cushion	45042
18*	4	Strap screw	5/16-18 UNC X 2.5" long - 18-8 stainless steel	46265

\* Not shown in the above exploded view

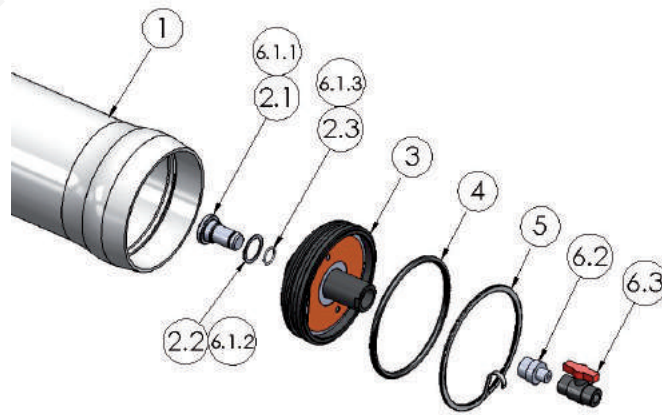
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## CARTRIDGE FILTER HOUSING FOR HIGH FLOW APPLICATIONS

### CARTRIDGE FILTER HOUSING DATASHEET

#### EXPLODED VIEW & DETAILS - DEAD END

A GENERIC VIEW FOR VISUAL REFERENCE ONLY



DRG REF	QTY	DESCRIPTION	MATERIAL	80AQ15-60 NON CODED
				PART NUMBER
1	1	Shell	Filament wound epoxy / glass composites. Head locking grooves integrally wound in place	200068
2	1	Blind plug kit assembly		17286
2.1	1	Blind plug – elliptical head	Engineering thermoplastic	98732
2.2	4	Spacers	Engineering thermoplastic	AR
2.3	1	Blind plug seal	Ethylene propylene – O ring	45298
3	1	Elliptical head	Engineering thermoplastic	98731
4	1	Head seal	Ethylene propylene – O ring	96000
5	1	Quick release spiral ring	316 stainless steel	47336
6	1	Sample valve kit (optional)		17467
6.1	1	Sample valve plug kit		17468
6.1.1	1	Sample valve plug	Engineering thermoplastic	98761
6.1.2	4	Spacers	Engineering thermoplastic	AR
6.1.3	1	Plug seal	Ethylene propylene – O ring	45298
6.2	1	Adapter threaded	Engineering thermoplastic	96526
6.3	1	½" Ball valve	Engineering thermoplastic	96524



#### PROCESS TECHNOLOGIES

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

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