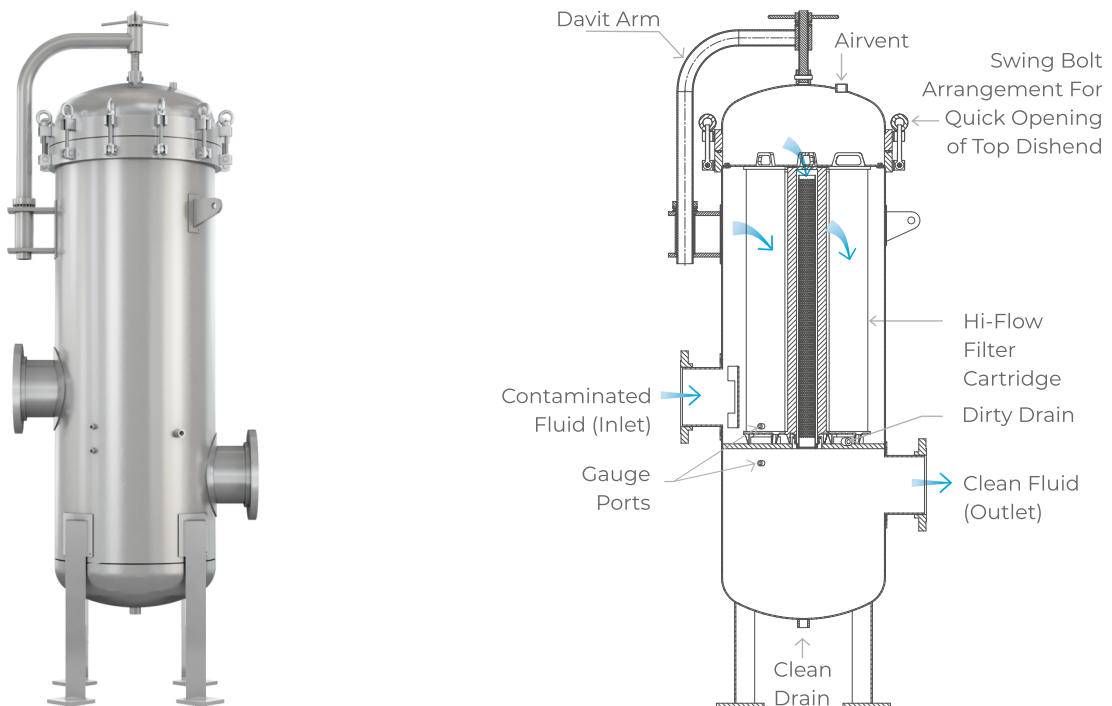


# Flowmaster A2 Series

## High Flow Filter Housing

The **Flowmaster A2** Series is a high-flow multi-cartridge filter housing engineered in compliance with ASME Section VIII Div. 1 and PED 2014/68/EU, making it suitable for pressure-rated process applications where vessel code conformity is essential. Unlike the A1 product range, the A2 Series is built with an out-to-in filtration configuration, allowing solids to accumulate on the exterior surface of the filter cartridges and providing higher dirt-holding capacity for longer operating cycles. It also features a side-in / side-out process connection layout, offering easy pipeline alignment and simplified installation. Designed for demanding industrial filtration duties, the Flowmaster A2 Series combines high flow performance, extended cartridge life, and pressure vessel code compliant construction in a compact vertical design.



## Features & Benefits

### Compliant with ASME Sec. VIII Div. 1 and PED 2014/68/EU:

Meeting international pressure vessel standards and suitable for CE marking where required.

### Vessel design pressure options of 10 bar (145 PSI) and 16 bar (232 PSI):

With higher pressure ratings available on request for specific process needs.

### Standard vessel design temperature of 125 °C (257 °F):

With higher temperature ratings available on request for elevated-temperature operations.

### Out-to-in flow configuration:

Allows foreign particles to be captured on the outer surface of the filter cartridges, enhancing dirt-holding capacity and extending filtration cycle life.

**Side-in / Side-out process connection:** provides Convenient pipeline alignment and easier integration into process systems.

### Multiple cartridge end configurations (P2, P2F, and P30):

Allowing users to select the most suitable option for their process conditions and installation requirements.

### Internal support cage for P30 configuration:

Ensures precise cartridge alignment and secure its position under un-stable flow or pressure fluctuation.

### Cartridge compatibility:

Suitable for standard Ø6.5" diameter cartridges up to 40" length, offering broad media selection and high filtration efficiency.

### Swing bolt closure with Davit Arm arrangement:

Enables safe, quick, and effortless opening of the top cover during cartridge replacement or maintenance operations.

## Applications



### Water Treatment :

Clarification of raw, process, and cooling water containing high levels of suspended solids.



### Chemical Processing :

Filtration of viscous fluids, intermediates, and process chemicals with higher particulate loading.



### Oil & Gas/Petrochemical :

Removal of solid contaminants from fuels, lubricants, amines, glycol, and produced water streams.



### Power Generation :

Pre-filtration of condensate and cooling circuits to protect downstream membranes or ion-exchange resins.



### Food & Beverage :

Filtration of finish product before packaging for Microbial control and product clarity.



### Paints, Inks & Coatings:

Capture of pigments, fillers, and solid residues in recirculation and final polishing stages.



### Pharmaceuticals & API Manufacturing:

Bulk liquid clarification before fine filtration or membrane stages, filtration of WFI/RO Water.

## Flowmaster A2 Series - Multi Cartridge Filter Housing

### Standard Models for Flowmaster A2

Model No.	No of Filter Cartridges (Ø6.5"X40"L)	Inlet/Outlet	Typical Flow Rate* M <sup>3</sup> /hr (With P30 configuration)	Typical Flow Rate * USGPM	Housing Volume (Ltr)
Flowmaster A2-02-C04	2	80NB(3")	70	308	202
Flowmaster A2-02-C05	2	100NB(4")	70	308	209
Flowmaster A2-03-C05	3	100NB(4")	105	462	209
Flowmaster A2-03-C06	3	125NB(5")	105	462	217
Flowmaster A2-04-C05	4	100NB(4")	140	616	269
Flowmaster A2-04-C06	4	125NB(5")	140	616	279
Flowmaster A2-04-C07	4	150NB(6")	140	616	289
Flowmaster A2-05-C05	5	100NB(4")	175	770	405
Flowmaster A2-05-C06	5	125NB(5")	175	770	419
Flowmaster A2-05-C07	5	150NB(6")	175	770	434
Flowmaster A2-05-C08	5	200NB(8")	175	770	462
Flowmaster A2-06-C06	6	125NB(5")	210	924	417
Flowmaster A2-06-C07	6	150NB(6")	210	924	432
Flowmaster A2-06-C08	6	200NB(8")	210	924	460
Flowmaster A2-07-C06	7	125NB(5")	245	1078	496
Flowmaster A2-07-C07	7	150NB(6")	245	1078	513
Flowmaster A2-07-C08	7	200NB(8")	245	1078	547
Flowmaster A2-08-C07	8	150NB(6")	280	1232	642
Flowmaster A2-08-C08	8	200NB(8")	280	1232	648
Flowmaster A2-09-C07	9	150NB(6")	315	1386	716
Flowmaster A2-09-C08	9	200NB(8")	315	1386	761
Flowmaster A2-09-C09	9	250NB(10")	315	1386	810
Flowmaster A2-10-C07	10	150NB(6")	350	1541	810
Flowmaster A2-10-C08	10	200NB(8")	350	1541	861
Flowmaster A2-10-C09	10	250NB(10")	350	1541	896
Flowmaster A2-11-C08	11	200NB(8")	385	1695	970
Flowmaster A2-11-C09	11	250NB(10")	385	1695	1032
Flowmaster A2-12-C08	12	200NB(8")	420	1849	970
Flowmaster A2-12-C09	12	250NB(10")	420	1849	1032
Flowmaster A2-13-C08	13	200NB(8")	455	2003	1050
Flowmaster A2-13-C09	13	250NB(10")	455	2003	1118
Flowmaster A2-13-C10	13	300NB(12")	455	2003	1370
Flowmaster A2-14-C08	14	250NB(8")	490	2157	1048
Flowmaster A2-14-C09	14	250NB(10")	490	2157	1297
Flowmaster A2-14-C10	14	300NB(12")	490	2157	1370
Flowmaster A2-15-C08	15	200 NB(8")	525	2311	1222
Flowmaster A2-15-C10	15	300NB(12")	525	2311	1370
Flowmaster A2-16-C08	16	200NB(8")	560	2465	1222
Flowmaster A2-16-C10	16	300NB(12")	560	2465	1370
Flowmaster A2-17-C09	17	250NB(10")	595	2619	1297
Flowmaster A2-17-C10	17	300NB(12")	595	2619	1370
Flowmaster A2-18-C09	18	250NB(10")	630	2773	1297
Flowmaster A2-18-C10	18	300NB(12")	630	2773	1370
Flowmaster A2-19-C09	19	250NB(10")	665	2927	1488
Flowmaster A2-19-C11	19	350NB(14")	665	2927	1569
Flowmaster A2-20-C09	20	250NB(10")	700	3082	1601
Flowmaster A2-20-C11	20	350NB(14")	700	3082	1744

The flow rates provided are based on P30 End configuration Polypropylene Filter Cartridge of 5-micron rating with Clean Water at 0.15 bar(2.3 PSID) differential pressure across filter cartridge.. Actual flow rate may vary depending on process parameters, End configuration (P2 or P30), MOC & micron rating of the selected filter cartridge. Please consult our sales engineers to ensure accurate sizing of your filtration system.

# Flowmaster A2 Series - Multi Cartridge Filter Housing

## Ordering Table

Model No.	Pressure Rating	Housing Material (Contact Part)	Cartridge End Configuration	Gasket Material	Surface Finish
Flowmaster A2 Series Model	P10= 10 bar (145 PSI)	M1= Stainless Steel Gr. 304	P2= 226/Flat Single Open End	B= BUNA-N	1= Mirror Finish
	P16= 16 bar (232 PSI)	M2= Stainless Steel Gr. 304L	P2F= 226 with No tabs/Flat Single Open End	E= EPDM	2= Matt Finish
	PC= Higher Pressure Rating on Request	M3= Stainless Steel Gr. 316	P30= 338/Flat Single Open End	S= SILICON	3= Glass beading
		M4= Stainless Steel Gr. 316L		V= VITON	
		M5= Stainless Steel Gr. 2205		P= PTFE Encapsulated Viton	
		M6= Material other than listed on Request		N = NEOPRENE	
Example					
Flowmaster A2-20-C11	P10	M1	P30	B	3

### Ordering Code Example :

Flowmaster A2-18-C10-P10-M1-B-3

Flowmaster A2 Series Multi-cartridge hi-flow filter housing suitable for 18 Nos of Filter cartridges with Process Connection of 300 NB, Pressure Rating of 10 bar, MOC of Housing Stainless Steel Gr. 304, P30 end configuration of filter cartridge, Buna-N Gasket Material and Glassbead surface finish.



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