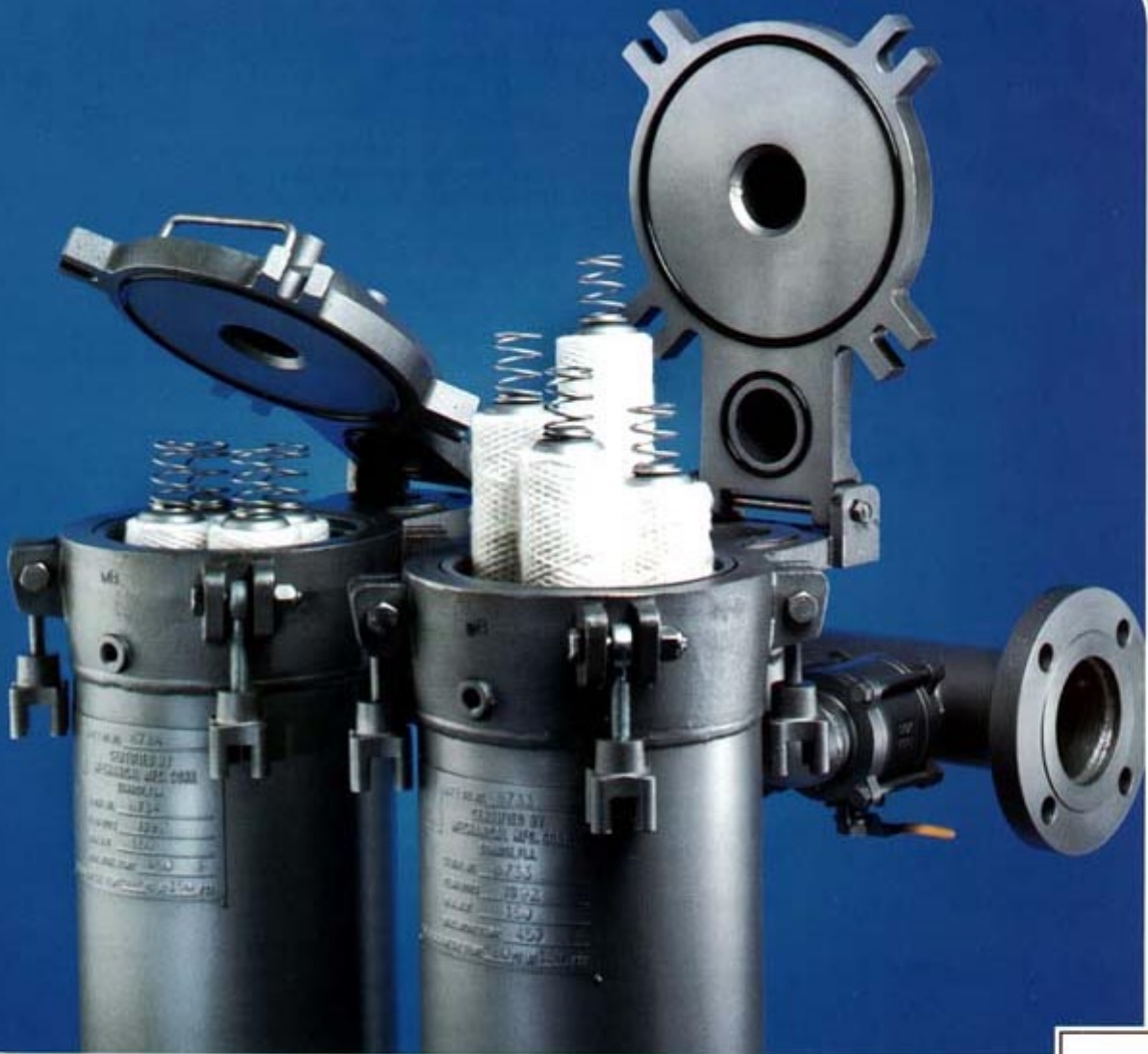


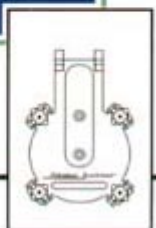
Cartridge Filter Housings

ASME U STAMP



Filtration Systems™

Division of Mechanical Mfg. Corporation



MODEL S-233-V

Description

Model S-233-V in T-31 6 Stainless Steel is a valved, duplex filtration system rated for 150 or 300psi (450°F), utilizing eight standard 301' cartridge filters. Each vessel uses a Cartridge Contaminant Chamber - a removable, positive sealing fixture that holds four standard 30" cartridges in a "Cluster of Four" arrangement for a broad range of liquid applications. Designed to minimize exposure to contaminants by allowing the removal of the spent filters and chamber as a single unit. All of the dirt is captured in the Cartridge Contaminant Chamber. When the cartridges are spent, the reusable chamber (loaded with the cartridges) is easily removed to minimize downtime. It is not necessary to clean or flush the filter vessel after use. Spare chambers can be preloaded so that new cartridge filters can replace spent ones quickly. Cartridge Filter Housings can also be used with filter bags, mesh strainer baskets and micron-rated filter cloth baskets without changes to existing piping. Individually valved modules may operate independently, providing continuous service during cartridge filter changes. Concurrent operation of both housings doubles the flow rate capacity of a single vessel.

Specifications

Maximum Working Pressure 150psi
 Maximum Working Temperature 450°F
 Maximum Flow Rate: Refer to Cartridge Filter Specifications
 Inlet & Outlet: 30 Raised Face Forged Flanges, ASA B16.5, T-316 S/S
 Shipping Weight: 315 lbs.

Standard Features

Model S-233-V, type 316 stainless steel, glass bead finish:
 exterior, interior and cartridge chambers
 Model C-233-V, carbon steel, one coat shop primer, exterior

ASME U Stamp (meets OSHA requirements)

Over-The-Top Inlet

3600 Hinged Closure with Lid Handle

Lid Safety Detents and Lid Stop

Investment Casting (Lid & Body)

Four full-port, 21' Ball Valves (2 per housing), T-316 S/S, 800psi

Cartridge Contaminant Chamber with hardware, T-316 S/S

Buna-N positive sealing gaskets

Gauge Ports (Upstream & Downstream) 1 1/4" NPT

Vent Ports 1/4" NPT

Drain Ports 3/4" NPT

Buna-N O-Rings

Rod End Eye Bolts, SA-193-B7, Plated

Stainless Steel Frame (S-233-V)

Stainless Steel Hardware - Bar knobs (S-233-V)

Carbon Steel Frame (C-233-V)

Plated Carbon Steel Hardware - Bar knobs (C-233-V)

Options

Modified Connections - Flanged, Threaded or Sanitary

Interior Grade Finishes (Including 3A Sanitary)

Electropolish Finishes - Exterior, Interior or Both

Perforated Support Baskets

Micron-Rated Strainer Baskets

Mesh & Micron Lined Baskets

Assorted O-Ring Materials

Assorted Positive Sealing Gaskets

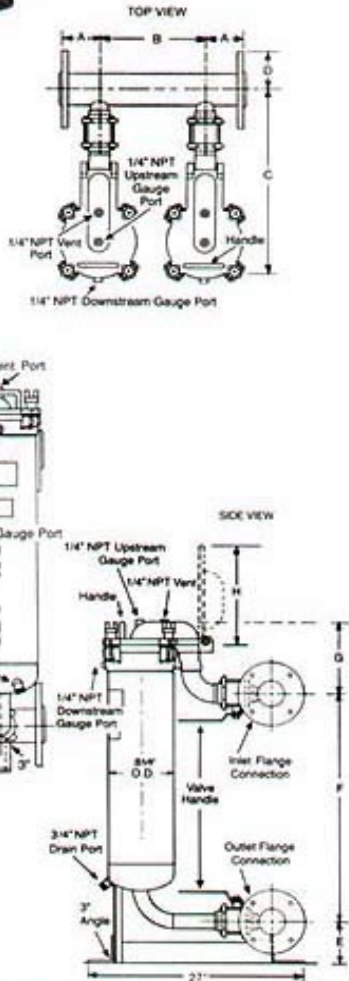
Steam & Hot Oil Jackets

Low-Profile Horizontal Outlets

Cartridge Contaminant Chambers (holds four 30" cartridges)

Drain Valves & Vent Valves

Pressure Gauges

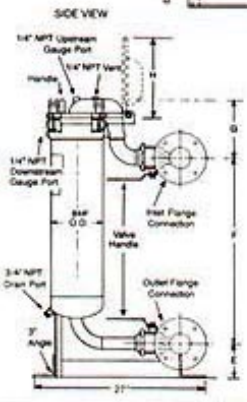
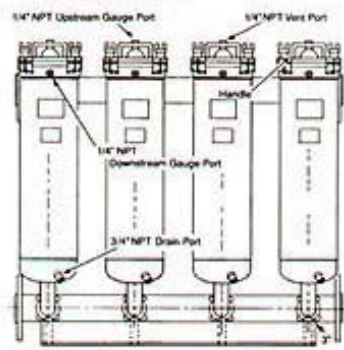
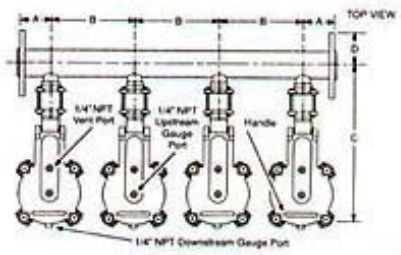


MODEL S-233-V	A	B	C	D	E	F	G	H	WT. LBS.
3" FLANGE CONNECTION	5"	12"	21"	3 3/4"	4 3/4"	30 1/2"	8 1/4"	14"	315

Available in 300psi (450°F) in T-316 S/S as Model S-233-V-300
 Available without Valves (S-233) in T-31 6 S/S at 150 or 300psi
 Available in Carbon Steel with Valves (C-233-V) or without Valves (C-233) in 150 or 300psi (500°F)

MODEL S-434-V

TYPE 316
STAINLESS



Description

Model S-434-V in T-316 Stainless Steel is a valved, fourplex filtration system rated for 150 or 300psi (450°F), utilizing sixteen standard 30" cartridge filters. Each vessel uses a Cartridge Contaminant Chamber - a removable, positive sealing fixture that holds four standard 30" cartridges in a "Cluster of Four" arrangement for a broad range of liquid applications. Designed to minimize exposure to contaminants by allowing the removal of the spent filters and chamber as a single unit. All of the dirt is captured in the Cartridge Contaminant Chamber. When the cartridge filters are spent, the reusable chamber (loaded with the cartridges) is easily removed to minimize downtime. It is not necessary to clean or flush the filter vessel after use. Spare chambers can be preloaded so that new cartridge filters can replace spent ones quickly. Cartridge Filter Housings can also be used with filter bags, mesh strainer baskets and micron-rated filter cloth baskets without changes to existing piping. Individually valved modules may operate independently, providing continuous service during cartridge filter changes. Concurrent operation of all four housings provides the maximum flow rate of all sixteen cartridge filters. Four valved vessels can be used in any combination (e.g. Two On and Two Off).

Specifications

Maximum Working Pressure 150psi
 Maximum Working Temperature 450°F
 Maximum Flow Rate: Refer to Cartridge Filter Specifications
 Inlet & Outlet: 4" Raised Face Forged Flanges, ASA Bi 6.5, 1-316 S/S
 Shipping Weight: 615 lbs.

Standard Features

Model S-434-V, type 316 stainless steel, glass bead finish:
 exterior, interior and cartridge chambers Model C-434-V, carbon steel, one coat shop primer, exterior

- ASME U Stamp (meets OSHA requirements)
- Over-The-Top Inlet
- 360 Hinged Closure with Lid Handle
- Lid Safety Detents and Lid Stop
- Investment Casting (Lid & Body)
- Eight full-port, 2" Ball Valves (2 per housing), T-316 S/S, 800psi
- Cartridge Contaminant Chamber with hardware, T-316 S/S
- Buna-N positive sealing gaskets
- Gauge Ports (Upstream & Downstream) 1/4" NPT
- Vent Ports 1/4" NPT
- Drain Ports 3/4" NPT
- Buna-N O-Rings
- Rod End Eye Bolts, SA-193-B7, Plated
- Stainless Steel Frame (S-434-V)
- Stainless Steel Hardware - Bar Knobs (S-434-V)
- Carbon Steel Frame (C-434-V)
- Plated Carbon Steel Hardware - Bar knobs (C-434-V)

Options

- Modified Connections - Flanged, Threaded or Sanitary
- Interior Grade Finishes (Including 3A Sanitary)
- Electropolish Finishes - Exterior, Interior or Both
- Perforated Support Baskets
- Micron-Rated Strainer Baskets
- Mesh & Micron Lined Baskets
- Assorted O-Ring Materials
- Assorted Positive Sealing Gaskets
- Steam & Hot Oil Jackets
- Low-Profile Horizontal Outlets
- Cartridge Contaminant Chambers (holds four 30" cartridges)
- Drain Valves & Vent Valves
- Pressure Gauges
- Available in 300psi (450°F) in T-316 S/S as Model S-434-V-300
- Available without Valves (S-434) in T-316 S/S at 150 or 300psi
- Available in Carbon Steel with Valves (C-434-V) or without Valves (C-434) in 150 or 300psi (500°F)

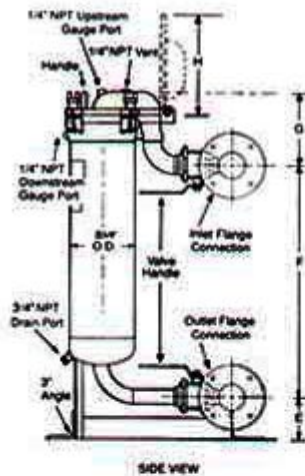
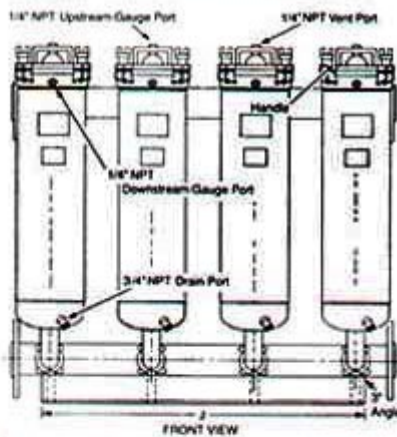
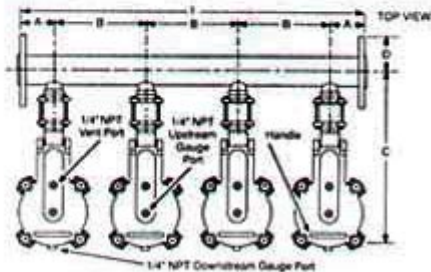
MODEL S-434-V	A	B	C	D	E	F	G	H	WT. LBS.
4" FLANGE CONNECTION	5"	12"	21 ³ / ₄ "	4 ¹ / ₂ "	5 ¹ / ₄ "	30 ¹ / ₂ "	8 ¹ / ₄ "	14"	615

Systems available for all Flow Rate requirements

All models are available in T-316 stainless steel or carbon steel, 150 or 300psi, valved or non-valved.

Model	No. of Modules	Flange Size in inches	Max Cartridge Water Flow (gpm)	No. of 30" Cartridges	ALL DIMENSIONS ARE IN INCHES										Shipping Weight in Lbs.
					A	B	C	D	E	F	G	H	I	J	
233-V	2	3	120	8	5	12	21	3 $\frac{1}{4}$	4 $\frac{1}{4}$	30 $\frac{1}{2}$	8 $\frac{1}{4}$	14	22	13	315
334-V	3	4	180	12	5	12	21 $\frac{1}{4}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	30 $\frac{1}{2}$	8 $\frac{1}{4}$	14	34	25	465
434-V	4	4	240	16	5	12	21 $\frac{1}{4}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	30 $\frac{1}{2}$	8 $\frac{1}{4}$	14	46	37	615
536-V	5	6	300	20	5	12	22 $\frac{1}{4}$	5 $\frac{1}{2}$	6 $\frac{1}{4}$	30 $\frac{1}{2}$	8 $\frac{1}{4}$	14	58	49	765
636-V	6	6	360	24	5	12	22 $\frac{1}{4}$	5 $\frac{1}{2}$	6 $\frac{1}{4}$	30 $\frac{1}{2}$	8 $\frac{1}{4}$	14	70	61	915
736-V	7	6	420	28	5	12	22 $\frac{1}{4}$	5 $\frac{1}{2}$	6 $\frac{1}{4}$	30 $\frac{1}{2}$	8 $\frac{1}{4}$	14	82	73	1068
836-V	8	6	480	32	5	12	22 $\frac{1}{4}$	5 $\frac{1}{2}$	6 $\frac{1}{4}$	30 $\frac{1}{2}$	8 $\frac{1}{4}$	14	94	85	1215

MODEL S-434-V



Low Profile, Horizontal Outlet Available on All Models

One piece, self-cleaning horizontal outlet is optional for all systems. Reduces filter removal clearance height by 4" on single vessels and 3" on modular vessels. See Technical Illustration F.

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Product Warranty: In the event any vessel is found to be defective in material or workmanship for a period or one year from date of purchase, Filtration Systems only liability will be to repair or replace the product.

The manufacturer reserves the right to change specifications without notice. There are no express or implied warranties, with respect to product merchantability and/or fitness for specific purpose. Filtration Systems will not be liable for any incidental damages from the use or misuse of our products under any circumstances.

Manufactured by
**Filtration
Systems**

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