

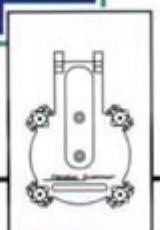
Cartridge Filter Housings

INDUSTRIAL QUALITY



Filtration Systems™

Division of Mechanical Mfg. Corporation



MODEL NS-233-V

Description

Model NS-233-V in T-304 Stainless Steel is a valved, duplex filtration system rated for 150psi (250°F), utilizing eight 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 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 250°F
 Maximum Flow Rate: Refer to Cartridge Filter Specifications
 Inlet & Outlet: 3" Stainless Steel Flanges
 Shipping Weight: 280 lbs.

Standard Features

Model NS-233-V, type 304 stainless steel, glass bead finish:
 exterior, interior and cartridge chambers
 Model NC-233-V, carbon steel, one coat shop primer, exterior

Options

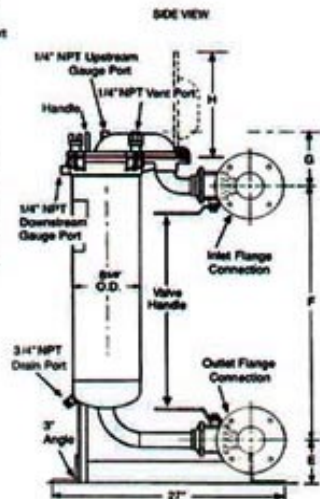
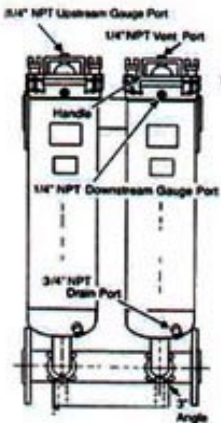
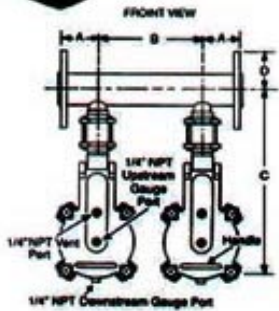
Over-The-Top Inlet
 360N Hinged Closure with Lid Handle
 Lid Safety Detents and Lid Stop
 Investment Casting (Lid & Body)
 Four full-port, 2" Ball Valves (2 per housing), 1-316 5/5, 800psi
 Cartridge Contaminant Chambers with hardware, T-316 S/S
 Buna-N positive sealing gaskets
 Gauge Ports (Upstream & 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
 Plated Carbon Steel Hardware - Bar Knobs
 Stainless Steel Frame (NS-233-V)
 Carbon Steel Frame (NC-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
 Available without Valves (NS-233) in 1-304 5/5 at 150psi(250eF)
 Available in Carbon Steel with Valves (NC-233-V)
 or without Valves (NC-233) in 150psi (250°F)



TYPE 304 STAINLESS



MODEL NS-233-V	A	B	C	D	E	F	G	H	WT. LBS.
3" FLANGE CONNECTION	5"	12"	22 1/4"	3 1/4"	4 1/4"	32	8 1/4"	15"	280

MODEL NS-434-V

TYPE 304
STAINLESS



Description

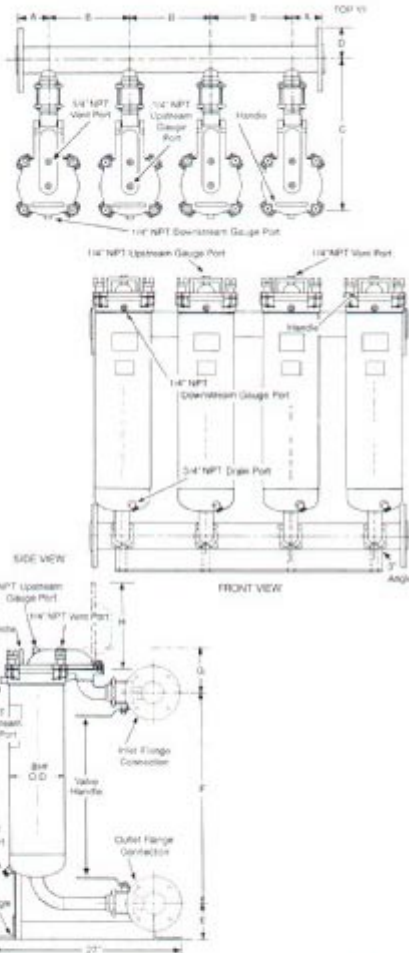
Model NS-434-V in T-304 Stainless Steel is a valved, fourplex filtration system rated for 150psi (250°F), utilizing sixteen standard 30" cartridge filters. Each vessel uses a Cartridge Contaminant Chamber - a removable, positive sealing fixture that holds four standard 30" cartridges in a "Cluster of 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 250°F
 Maximum Flow Rate: Refer to Cartridge Filter Specifications
 Inlet & Outlet: 4" Stainless Steel Flanges
 Shipping Weight: 560 lbs.

Standard Features

Model NS-434-V, type 304 stainless steel, glass bead finish:
 exterior, interior and cartridge chambers
 Model NC-434-V, carbon steel, one coat shop primer, exterior



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 Chambers 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
- Plated Carbon Steel Hardware - Bar Knobs
- Stainless Steel Frame (NS-434-V)
- Carbon Steel Frame (NC-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 without Valves (NS-434) in T-304 S/S at 150psi (250°F)
- Available in Carbon Steel with Valves (NC-434-V)
- or without Valves (NC-434) in 150psi (250°F)

MODEL NS-434-V	A	B	C	D	E	F	G	H	WT. LBS
4" FLANGE CONNECTION	5'	12"	22 ³ / ₄ "	4 ¹ / ₂ '	5 ¹ / ₄ '	32	8 ³ / ₄ "	15"	560

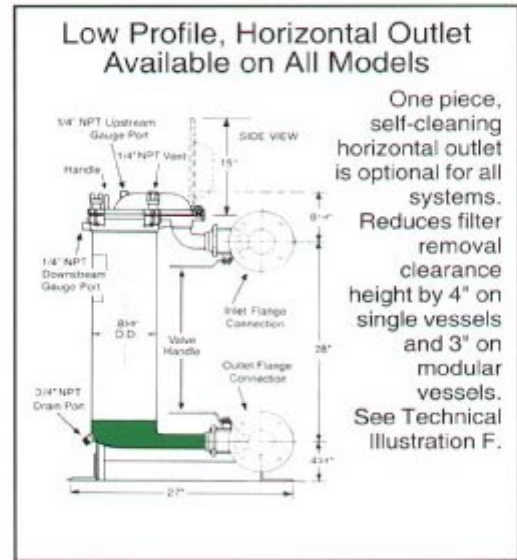
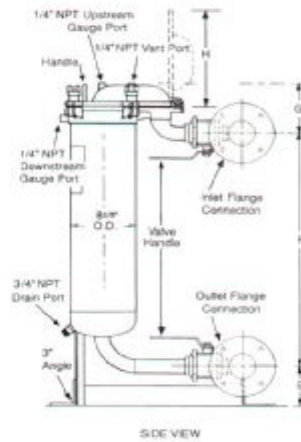
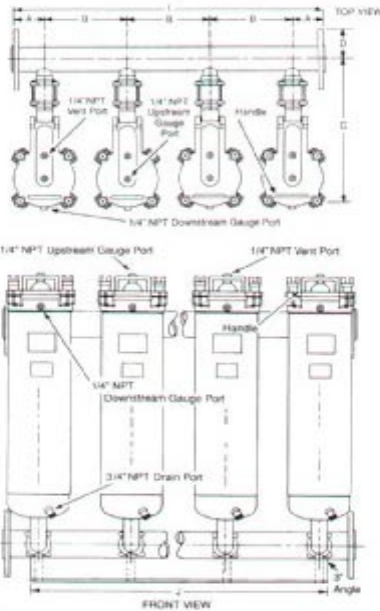
Systems available for all Flow Rate requirements.

All Models are available in T-304 stainless steel or carbon steel, 150psi, 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	22 ³ / ₄	3 ³ / ₄	4 ³ / ₄	32	8 ¹ / ₄	15	22	13	280
334-V	3	4	180	12	5	12	22 ³ / ₄	4 ¹ / ₂	5 ¹ / ₄	32	8 ¹ / ₄	15	34	25	410
434-V	4	4	240	16	5	12	22 ³ / ₄	4 ¹ / ₂	5 ¹ / ₄	32	8 ¹ / ₄	15	46	37	560
536-V	5	6	300	20	5	12	23 ³ / ₄	5 ¹ / ₂	6 ¹ / ₄	32	8 ¹ / ₄	15	58	49	710
636-V	6	6	360	24	5	12	23 ³ / ₄	5 ¹ / ₂	6 ¹ / ₄	32	8 ¹ / ₄	15	70	61	860
736-V	7	6	420	28	5	12	23 ³ / ₄	5 ¹ / ₂	6 ¹ / ₄	32	8 ¹ / ₄	15	82	73	1010
836-V	8	6	480	32	5	12	23 ³ / ₄	5 ¹ / ₂	6 ¹ / ₄	32	8 ¹ / ₄	15	94	85	1160

MODEL NS-434-V

All multi-module units have four (4) full-sized flanged connections which allow for the following:
 Inspection
 Flange-to-Flange Cleaning
 Alternate Connections
 Equipment Expansion
 Series (Staged) Filtration



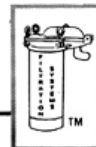
One piece, self-cleaning horizontal outlet is optional for all systems. Reduces filter removal clearance height by 4" on single vessels and 3" on modular vessels. See Technical Illustration F.

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 SystemsTM



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