



Horizontal Filter/Separators

HV-xxxx225 Series

Horizontal Filter/Separator Vessels for Fixed Installations at Military Facilities

meeting

**USAF Filter/Separator Specifications
Section 15880**

EASIER CARTRIDGE CHANGE

The horizontal filter/separator design provides more convenient access to the cartridges than the vertical design.

EFFLUENT CLEANLINESS

A horizontal filter/separator must be drained to change the elements. This prevents the possibility of getting dirt in the effluent that can occur if the operator does not fully drain a vertical vessel when changing elements. The separator mounting holes on a horizontal vessel are in a vertical plane at the top of the vessel so it is nearly impossible to get dirt in the effluent when cartridges are being changed.

TESTED AND APPROVED* VESSELS

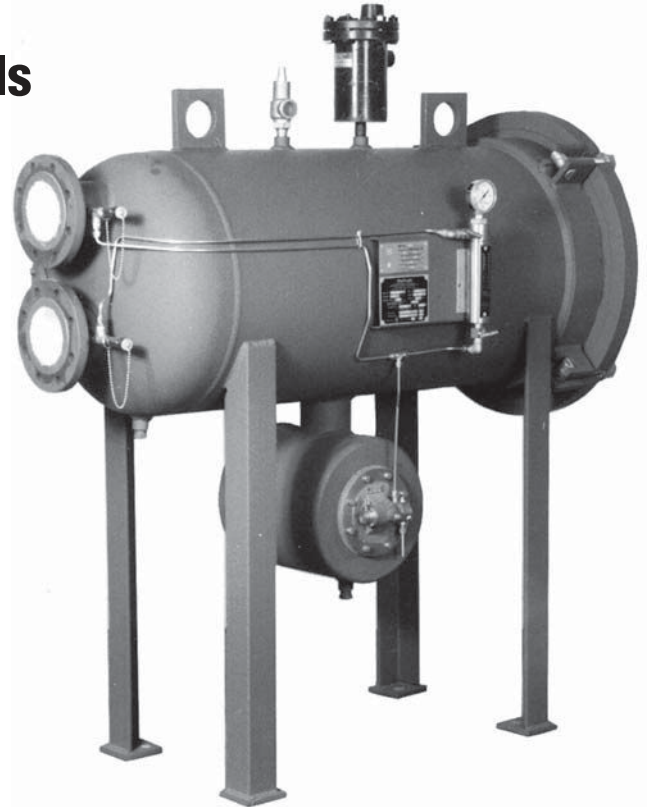
Velcon HV-xxxx225 Series Horizontal Filter/Separators are qualified to USAF Specification 15880. This specification is similar to API/EI 1581, Fifth Edition, Category M. These vessels incorporate one piece threaded base coalescer elements for easy, reliable installation and reusable one piece Teflon® coated screen separators.

SPECIFICATIONS

- 225 psi ASME Code Construction
- RF Flanged Connections
- Swing Bolted Closure
- Buna-N O-Ring Cover Seal
- Mil-PRF-4556 Epoxy Coated Interior, Primed Exterior

* Approval letters are available upon request.

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STANDARD ACCESSORIES

In compliance with USAF Specification 15880, the following accessories are included for safe, effective operation:

- Automatic Air Vent with Check Valve
- Pressure Relief Valve**
- Direct Reading Differential Pressure Gauge
- Sampling Probes with Ball Valves
- Stainless Steel Ball Valve Manual Drain
- Sight Gauge with Ball Checks and Colored Density Sensitive Ball
- ASME Code Stamp
- API Nameplate

** Does not meet Mil-V-11201

OPTIONAL ACCESSORIES

- Interface Control
- Water Slug Control Valve

These optional accessories may be supplied directly by the control valve manufacturer, depending on purchase specifications.

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FLOW RATES AND CARTRIDGES

Vessel Model No.	Flow Rates (1) USGPM	Coalescer Quantity	Cartridge Model No.	Separator Quantity	Cartridge Model No.	Weight with Skid (lbs)	Volume (US gal)
HV2238225	300	4	I-638MMTB	2	SO-430V5	1000	85
HV2838225	600	7	I-638MMTB	2	SO-636V5	1175	140
HV3456225	1200	10	I-656MMTB	3	SO-648V5	2100	335

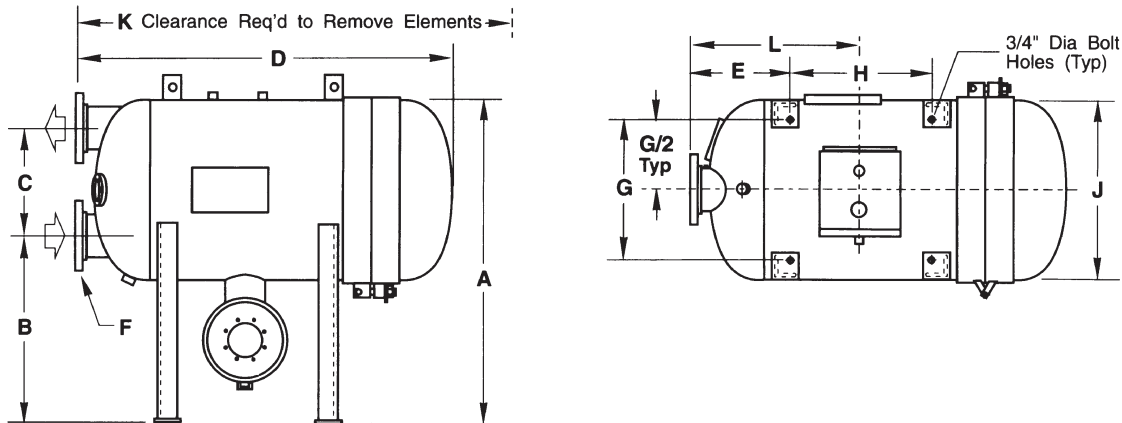
Note: (1) For Jet A, Jet A-1, Jet B, JP-4, JP-5, JP-8

DIMENSIONAL DATA

Vessel Model No.	Dimensions (inches)*										
	A	B	C	D	E	F (3)	G	H	J	K	L
HV2238225	53	38½	10	59⅛	14½	4	16	30	22	93½	29
HV2838225	55¾	34¼	16¾	62½	15	6	22	22	28	85	27
HV3456225	65¾	37¾	22	83½	19⅞	8	28	38¼	34	94½	38½

Notes: (2) HV2238225 has a flat cover, while the HV2838225 and HV3456225 have domed covers.

(3) Flanges are raised face flanges complying with ANSI B16-5, Class 150.



* Dimensions shown are for estimating purposes only. For exact dimensional detail, obtain copy of vessel drawing.

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