

Diesel DMV Series Multi-Purpose Vessels



Compact, Versatile Vessels for Inline Diesel Conditioning

Facet DMV Series offers compact, versatile vessels for inline diesel fuel conditioning. Compatible with multiple element types, these vessels can be configured for either particulate removal or water removal, giving you the flexibility to adapt as application requirements change.

Specifications

Materials of Construction	Welded Carbon Steel (Other materials available upon request)
Vessel Design	ASME Code, Section VIII, stamped and certified
Design Pressure	250 psi @ 250 °F (17.2 bar @ 121 °C)
Main Closure	Blind Flange
Head Gasket	Buna-N (Other materials available upon request)
Interior Coating	Epoxy
Exterior Coating	Prime coated
Inlet / Outlet Connection	2" (DN 50) 3000# NPT
Vent Connection	¾" NPT
Drain Connection	¾" 3000# NPT
Pressure Gauge Ports	1/8" NPT

Optional Features

- Automatic Air Relief Valve
- Automatic Pressure Relief Valve
- Higher Flow Rates Available Upon Request

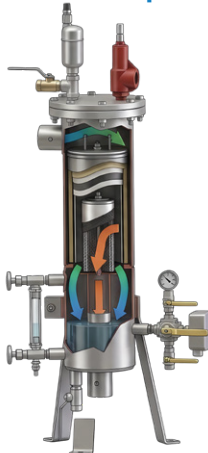
Filter



DMV with DFI/DFIX/DMG Series Filter Elements

Removes particulate contamination to keep diesel fuel clean and protect downstream components. Ideal where solids control is the primary requirement.

Coalescer / Separator



DMV with DCN/DSN Series Coalescer/Separator Elements

Uses dual-stage coalescing and separation technology to remove water, delivering clean, dry diesel for reliable engine and system performance.

Water Absorption



DMV with DAB Series Absorption Elements

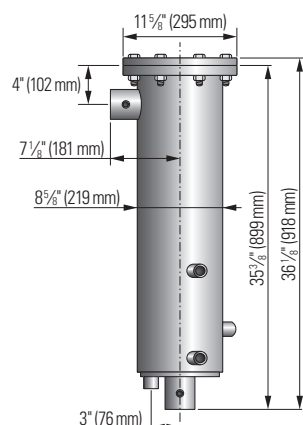
Absorbs free and emulsified water while capturing ultra-fine solids, providing clean, dry fuel and shutdown protection in the event of a sudden water slug.

DMV Series Multi-Purpose Vessels

The DMV Series vessels are offered in three sizes that increase in both height and flow rate capacity as you move from the smallest to the largest model.

DMV 1

Ideal Flow Rates: 5 – 30 gpm (19 – 114 lpm)



Vessel Weight: 120 lbs (54 kg)

Filter Vessel (Particulate Removal)

Vessel Model	DMV-F-1
Maximum Flow Rate	32 gpm (121 lpm)
Element Model	DFI/DFIX/DMG Series in 14"
Mounting Hardware Model	690542

Coalescer/Separator Vessel (Water Removal)

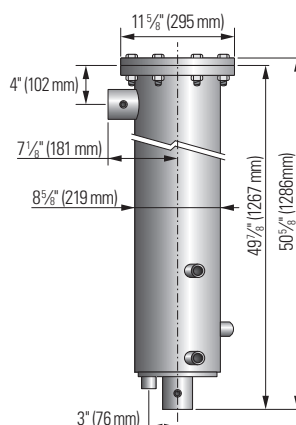
Vessel Model	DMV-CS-1
Maximum Flow Rate	15 gpm (57 lpm)
Element Model	DCN-814 / DSN-412
Mounting Hardware Model	676347

Absorption Vessel (Water Removal)

Vessel Model	DMV-AB-1
Maximum Flow Rate	28 gpm (106 lpm)
Element Model	DAB Series in 14"
Mounting Hardware Model	690542

DMV 2

Ideal Flow Rates: 30 – 60 gpm (114 – 227 lpm)



Vessel Weight: 140 lbs (63 kg)

Filter Vessel (Particulate Removal)

Vessel Model	DMV-F-2
Maximum Flow Rate	65 gpm (246 lpm)
Element Model	DFI/DFIX/DMG Series in 29"
Mounting Hardware Model	686497

Coalescer/Separator Vessel (Water Removal)

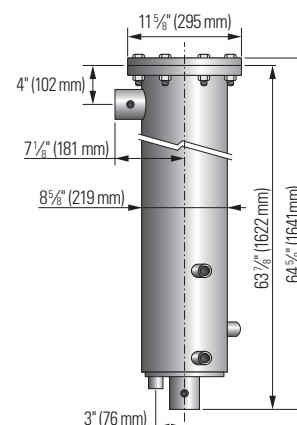
Vessel Model	DMV-CS-2
Maximum Flow Rate	30 gpm (114 lpm)
Element Model	DCN-828 / DSN-423
Mounting Hardware Model	676348

Absorption Vessel (Water Removal)

Vessel Model	DMV-AB-2
Maximum Flow Rate	56 gpm (212 lpm)
Element Model	DAB Series in 29"
Mounting Hardware Model	676348

DMV 3

Ideal Flow Rates: 60 – 100 gpm (227 – 379 lpm)



Vessel Weight: 160 lbs (72 kg)

Filter Vessel (Particulate Removal)

Vessel Model	DMV-F-3
Maximum Flow Rate	100 gpm (379 lpm)
Element Model	DFI/DFIX/DMG Series in 44"
Mounting Hardware Model	681021

Coalescer/Separator Vessel (Water Removal)

Vessel Model	DMV-CS-3
Maximum Flow Rate	45 gpm (170 lpm)
Element Model	DCN-842 / DSN-432
Mounting Hardware Model	676349

Absorption Vessel (Water Removal)

Vessel Model	DMV-AB-3
Maximum Flow Rate	84 gpm (318 lpm)
Element Model	DAB Series in 44"
Mounting Hardware Model	681021

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