

Diesel DCV Series Coalescer/Separator Vessels

Single Pass Vessel for Efficient Water Removal

Facet DCV coalescer/separator vessels use advanced coalescing technology to efficiently remove water from diesel fuel, helping ensure clean, dry fuel delivery and preventing damage caused by water contamination. By effectively separating water from fuel, they protect critical components, extend equipment life, and maintain reliable diesel system performance—reducing the risk of downtime and fuel-related failures.

Specifications

Performance (Single-Pass)	Water Removal: <100 ppm total water
Fluid Compatibility	#2 Diesel Hydrotreated Vegetable Oil (HVO)
Max Design Flow Rate	50 gpm (189 lpm)
Design Pressure	150 psi (10.3 bar)
Materials of Construction	Carbon Steel or Stainless Steel
Exterior Coating	C4 Classification Paint (ISO 12944)
Interior Coating	Epoxy
Vessel Design	ASME Sec. VIII, Div. I
Inlet/Outlet Connections	1 ½" (DN 40) or 2" (DN 50) Flanged or NPT
Pressure Gauge Ports	¼" NPT
Drain Ports	¾" NPT
Drain Valve (Coalescer)	½" NPT
Water Drain	Manual Valve
Water Level Detection	Visual Water Level Sight Glass

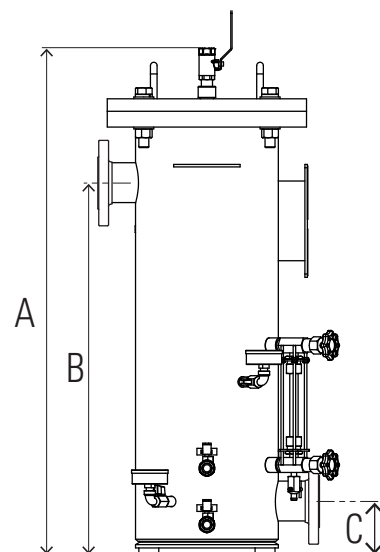
Model Number	Maximum Flow Rate	Dimensions				Weight Dry Full
		A	B	C	Ø	
DCV-10	10 gpm (38 lpm)	52" (1321 mm)	34" (864 mm)	3½" (89 mm)	12" (305 mm)	175 lbs (79 kg) 225 lbs (102 kg)
DCV-30	30 gpm (113 lpm)	38" (965 mm)	27" (686 mm)	3½" (89 mm)	18" (457 mm)	235 lbs (107 kg) 335 lbs (152 kg)
DCV-50	50 gpm (189 lpm)	40" (1016 mm)	28" (711 mm)	3½" (89 mm)	22" (559 mm)	275 lbs (125 kg) 375 lbs (170 kg)

Elements

Type	PN	Ø	Length	Qty		
				DCV-10	DCV-30	DCV-50
Coalescer	DCI-420	3.5" (89 mm)	20" (508 mm)	1	3	5
Separator	DSI-420	4" (102 mm)	20" (508 mm)	1	3	5

Optional Features

- Automatic Water Drain
- Automatic Air Relief Valve
- Automatic Pressure Relief Valve
- Pressure Gauges Pre-Mounted or Shipped Loose
- Elements Pre-Installed
- Higher Flow Rates Available Upon Request



Actual dimensions to be confirmed with customer approval drawing.

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