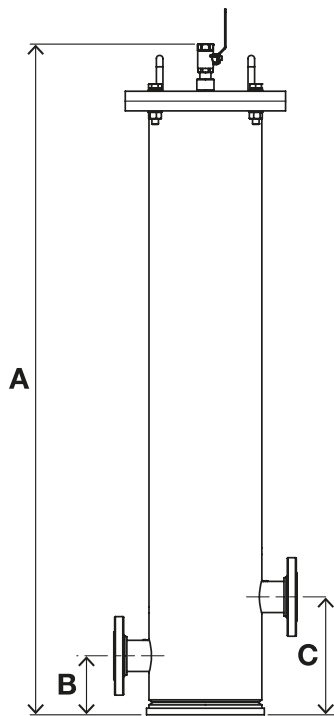


# VKS Series

## Particulate Removal Vessels

### DIESEL PURIFICATION SYSTEMS



### Particulate Filtration

Designed and built to ASME Section VIII standards, the VKS fuel filtration filter assemblies provide rugged, code-compliant filtration performance for applications requiring certified pressure vessels. Ideal for regulated environments, it includes inlet/outlet gauges, a Coast Guard-compliant configuration, and ships with a high-efficiency Kaydon filter element.

Model #	Target Flow Rate		Approx. Dimensions (in) <sup>2</sup>				Approx. Weight (lbs)		Inlet / Outlet Connections	Element Quantity
	GPM	LPM	A	B	C	Ø	Dry	Full		
VKS-1 <sup>5</sup>	50	189	33	3.5	8.5	9	150	225	1.5"	1 <sup>3</sup>
VKS-2 <sup>5</sup>	100	378	51	4.5	9	9	200	300	2"	1
VKS-6 <sup>5</sup>	300	1135	59	5	10	16	600	875	3"	3

### Specifications

Fluid Compatibility	#2 Diesel Bio-Diesel Blends (< B20) Hydrotreated Vegetable Oil (HVO)
Max Design Flow Rate <sup>1</sup>	300 gpm / 1135 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 U-Stamped
Inlet/Outlet Connection	Flanged or NPT
Pressure Gauge Ports	1/4" NPT
Drain Ports	3/4" NPT
Performance (Single-Pass)	ISO Cleanliness: tbd

### Elements

PN	Ø (in)	Length (in)	$\beta_{0.1} \geq 1000$	ISO Cleanliness
KM6036-3	6	36	7.1	18/16/13
KM6036-02	6	36	4.2	15/13/11

### Optional Features

- Automatic Air Relief Valve
- Automatic Pressure Relief Valve
- Pressure Gauges (pre-installed or shipped loose)
- Elements pre-installed
- Higher design pressures and flow rates available upon request
- Non-Stamped (U) Vessels available to ship from stock<sup>4</sup>

1. For Bio-Diesel blends, flow rates and performance may be reduced. Contact Kaydon for more detail  
2. Actual dimensions to be confirmed with customer approval drawing  
3. Uses single 6" x 18" element  
4. Available in 50 gpm and 100 gpm.  
5. Non-ASME vessel weights and dimensions may vary. Contact Kaydon for more detail

