High Flow | Low Viscosity Housing Coalescer

LVHC

**Coalescing Elements Patent-Pending*

Applications


POINT OF USE FUEL DISPENSING


FLEET FILL / BULK FUEL TRANSFER


BULK FUEL UNLOADING


PROTECTION FOR HIGH-FLOW FUEL INJECTION SYSTEMS


BULK TANK KIDNEY LOOP / RECIRCULATION

211- 476 gpm

799-1802 L/min

150 psi

10 bar

Standard

Features and Benefits

- Excellent filtration performance in a single pass
- Low pressure loss due to innovative element technology
- Easy to service thanks to intelligent element design
- The Low Viscosity-Housing Coalescer LVH-C is mainly used for dewatering of diesel, making it especially suitable for applications with large amounts of water that need to be removed in just a single pass
- The Optimicron® filter elements used ensure that both the required cleanliness and long service life are achieved.
- Available in various sizes, the filters can be optimally integrated into new or existing systems.
- The filters are designed according to the ASME Code Section VIII rules and regulations for pressure vessels as well as the ability to certify to other global standards upon request.

Model no. of filter in photograph is: LVHCD440NVBTFZ

Markets


INDUSTRIAL


BULK FUEL FILTRATION


MARINE


MINING TECHNOLOGY


AGRICULTURE


POWER GENERATION

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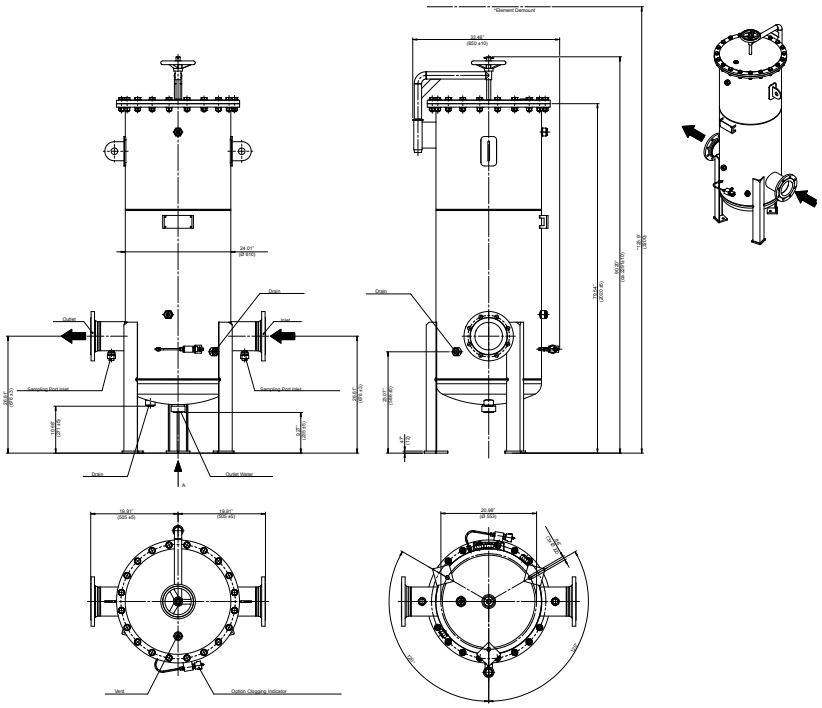
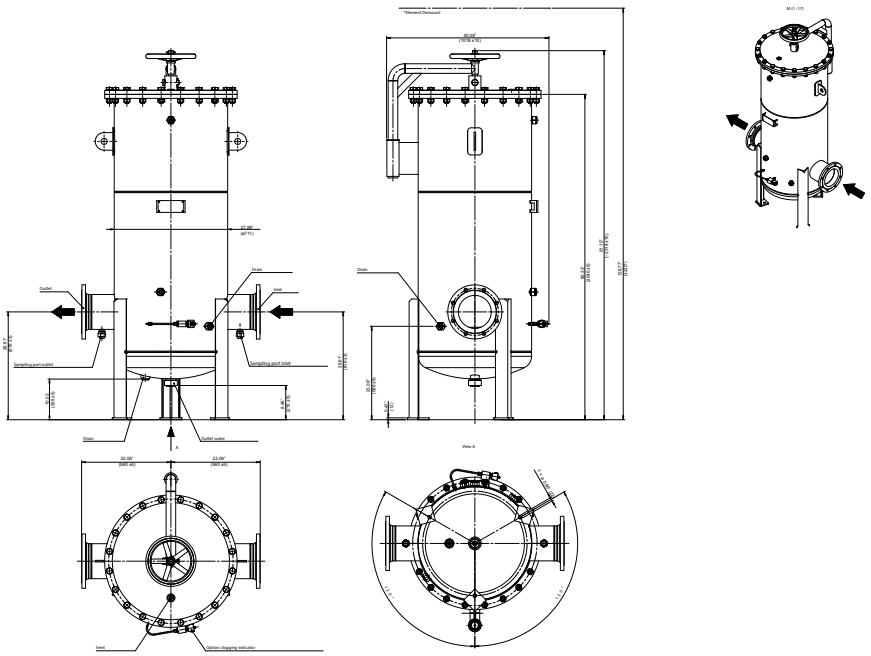
Filter Housing Specifications

Flow Rating:	211-476 gpm (799-1802 L/min)
Inlet/Outlet Connection:	ANSI 150#: 2”-12” DIN: DN50-DN300
Max. Operating Pressure:	150 psi (10 bar)
Max. Ambient Temperature:	122°F (50°C)
Max. Operating Temperature:	122°F (50°C)
Material Housing:	Stainless Steel or Carbon Steel

Dimensions LVH-C-D-4-40



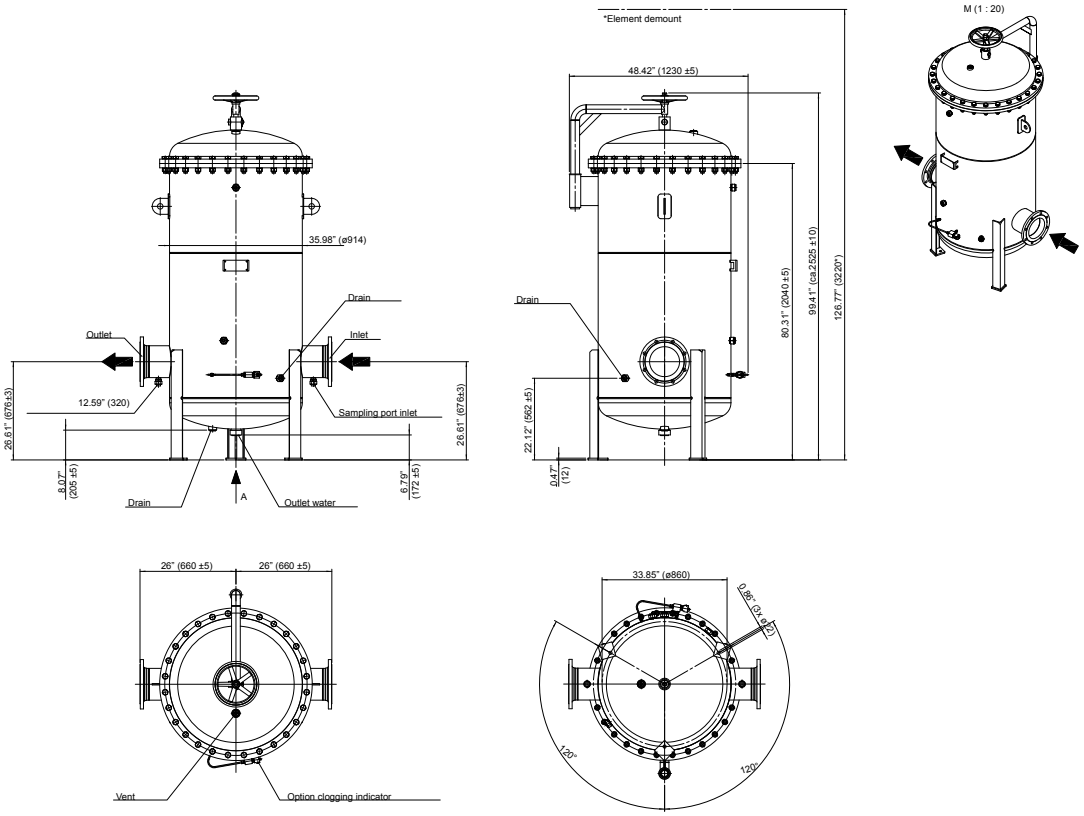
Dimensions LVH-C-D-6-40



Metric dimensions in ( ).
Dimensions shown are inches (millimeters) for general information and overall envelope size only.
For complete dimensions please contact Schroeder Industries to request a certified print.

High Flow | Low Viscosity Housing Coalescer LVHC

Dimensions LVH-C-D-9-40



Filter Size (Model)	Maximum Flow Rate	Number of Coalescing Elements	Number of Separator Elements
LVH-CD-4 40	211 gpm	4 pcs.	3 pcs.
LVH-CD-6 40	317 gpm	6 pcs.	4 pcs.
LVH-CD-9 40	476 gpm	9 pcs.	6 pcs.

Filter Calculation

Element	Model Code	Part No.
Separation Element 30”	N32ON-DSZ-SA80F	3910259
Coalescing Element 40”	N42ON-DCZ-CA60F	3910257

Filter Element Selection

Filter elements must be ordered separately and installed before initial operation on-site

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Filter Model Number Selection

How to Build a Valid Model Number for a Schroeder LVH-C Supplied with Element:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8	BOX 9	BOX 10	BOX 11
LVH										

Example: *NOTE:*

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8	BOX 9	BOX 10	BOX 11	
LVH	CD	4	40	E	V	B	V	F	D32	ZA	= LVHCD440EVBVFD32ZA

BOX 1

Filter Series
LVH

BOX 2

Functions
CD = Coalescing, Diesel Fuel

BOX 3

Filter Size & Number of Elements per Housing
4 = 4 coalescing & 3 separator elements
6 = 6 coalescing & 4 separator elements
9 = 9 coalescing & 6 separator elements

BOX 4

Filter Element Length
40 = 40"

BOX 5

Housing Material
E = Stainless Steel
N = Carbon Steel

BOX 6

Mounting
V = Vertical

BOX 7

Pressure Range
B = 150 psi (10 bar)

BOX 8

Hydraulic Connection
A2 = 2" ANSI 150# SORF
A3 = 3" ANSI 150# SORF
A4 = 4" ANSI 150# SORF
A6 = 6" ANSI 150# SORF
A8 = 8" ANSI 150# SORF
L = DIN DN 50
T = DIN DN 100
V = DIN DN 150
W = DIN DN 200
Y = DIN DN 300

For flanges not listed, contact factory.

BOX 9

Sealing
F = Viton®

BOX10

Clogging Indicator
C12 = Differential pressure indicator, electrical
D17 = Differential pressure indicator, visual/electrical (230V)
D18 = Differential pressure indicator, visual/electrical (240V)
D32 = Differential pressure indicator, visual/electrical (PVL2GW.0/ V-113)
D33 = Differential pressure indicator, visual/electrical (PVL2GW.0/ 111-16)
Z = Without clogging indicator

BOX 11

Available Certification
ZA = ASME Certification

NOTES:

Filter elements must be ordered separately and installed before initial operation on site

Fluid Compatibility

Fuel Oils

- ULSD15, low sulfur diesel and high sulfur diesel
- Biodiesel blends
- Synthetic diesel and blends
- No. 2 fuel oil and heating oil