



VURSA™ Gear Oil Filtration System LVHV-3

The VURSA™ gear oil filtration system from Kaydon Filtration provides versatility in gear oil filtration with its rugged, compact, and lightweight design. Gearbox protection is supplied in a minimal size envelope by allowing the VURSA™ to be mounted above the floor, eliminating the need for additional floor space. The Kaydon Filtration Technology™ elements complement the VURSA™ design by offering both particulate or water removal.

The VURSA™ gear oil conditioning system supports long-term operation and significantly reduces the probability of oil related failures or unscheduled maintenance due to contaminated gear oil. The VURSA™ reduces mechanical failures, gearbox unavailability, and excessive maintenance costs.



SPECIFICATIONS & DETAILS	
System Flow	5 GPM/ 19 LPM (maximum flow)
Sizing	Up to 600 Gallons/2,270 Liters
System Pressure	100 PSIG/ 7 BAR (maximum)
Environmental Parameters	Class I / Division I / Group C&D (NEMA 7)/ IP55 Minimum Temperature: 32 F (0 C) Maximum Temperature: 130 F (54 C)
Operating Voltage	460 VAC / 3PH / 60Hz / 3.5 AMPS 380 VAC / 3PH / 60Hz / 3.5 AMPS
Materials of Construction	Metals: Carbon Steel, Bronze, Stainless Steel Elastomers: Buna-N Paint: Acrylic Urethane Enamel
Pressure Vessel	Aluminum
Inlet/Outlet Connections	Type: SAE Straight Thread Inlet: 1-5/16" - 12UN-2A Outlet: 3/4" - 16UNF-2B
Pump/Motor Assembly	Pump Type: Gear - positive displacement Motor: 460 VAC - 2.4 HP (1.8 KW) 380 VAC - 2.0 HP (1.5 KW)
Fluid Compatibility	Mineral Base Oils up to ISO 460 Viscosity
Performance	Particulate: ISO Cleanliness Code less than 18/16/13 ⁽¹⁾
Weight	85 lbs (39 Kgs) approximate
Dimensions	21" L x 15" W x 22" H (533 mm x 381 mm x 559 mm)

VURSA™ GEAR OIL FILTRATION SYSTEM provides these benefits for gearbox operation:

- MAXIMIZES UPTIME
- EXTENDS BEARING LIFE
- FEWER FORCED OUTAGES
- PROTECTS COMPONENTS AND INCREASES OIL LIFE
- REDUCES OIL DISPOSAL COSTS
- ELIMINATES OUTSIDE OIL FLUSH SERVICES

FEATURE AND BENEFIT OPTIONS

OFF-THE-FLOOR MOUNTING: The lightweight VURSA™ is designed for off-the-floor mounting, which keeps valuable floor space available.

VERSATILE FILTRATION: The VURSA™ can accept different micron rating elements, plus offers a water absorbing element. The VURSA™ system can be adapted to meet your specific filtration needs.

SAFETY BY-PASS VALVE: During cold start-up or when the filter element has reached terminal pressure drop, the safety by-pass valve provides protection for the pump and eliminates the possibility of element collapse.

PRESSURE GAUGE: A simple and easy-to-read gauge is mounted on the VURSA™ to indicate pump pressure and element life.

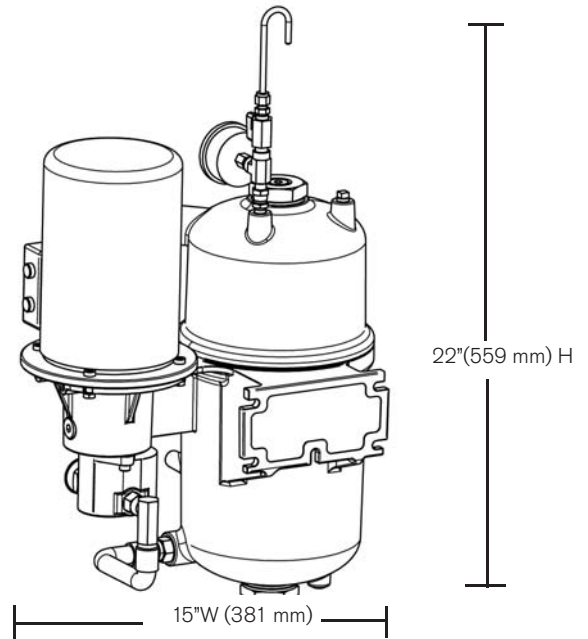
MANUAL AIR VENT TUBE: Valve with tube is mounted on top of the vessel to eliminate trapped air upon start-up and drain of the system. Elimination of trapped air keeps vessel full of oil so entire element is utilized.

380 VAC / 3 PH / 50 Hz or 460 VAC / 3 PH / 60 Hz: Dual voltage motor provides flexibility for either 50 Hz or 60 Hz applications.

MOTOR ENCLOSURE Prevents moisture and dust from affecting motor operation.

EXPORT CRATING (OPTIONAL): Heavy duty and rugged crate for extra protection for overseas shipments.

VURSA™ LVHV-3



CONSUMABLES		
MODEL/ DESCRIPTION	QTY	PART NUMBER
7 MICRON FILTER ELEMENT ⁽²⁾	1	A910449
11 MICRON FILTER ELEMENT ⁽³⁾	1	A910450
30 MICRON FILTER ELEMENT ⁽⁴⁾	1	A029001
WATER ABSORBING ELEMENT AT 14 MICRON	1	A910454
FILTER VESSEL SEAL ⁽⁵⁾	1	A618567

OPTIONS	
Description	Part Number
Export Crating	B604431

FOOTNOTES

(1) As measured with inline automatic particle monitor calibrated to ISO 11171 and influent no greater than ISO 22/19/17

(2) Removes 99.9% of all particles 7.1 micron ($\beta_{7.1(c)} = 1000$) and larger (tested per ISO 16889) **(3)** Removes 99.9% of all particles 11.3 micron ($\beta_{11.3(c)} = 1000$) and larger (tested per ISO 16889) **(4)** Removes 99.9% of all particles 29.9 micron ($\beta_{29.9(c)} = 1000$) and larger (tested per ISO 16889)

(5) Required for element changes.

1571 Lukken Industrial Drive West • LaGrange, GA 30240
International 00+1 706.884.3041 • **Toll Free** 1.800.241.2342 (U.S. Only)
Fax 706.884.3835 • www.kaydonfiltration.com • filtration@kaydon.com