VEU Varnish Elimination Unit

VEU-A-x-M

Features and Benefits

- Removal of solid and gel-like oil aging products
- Increased operating reliability of the system as a result of fewer deposits in hydraulic valves
- Increased oil service life
- Available for existing and for new systems

Applications

- Turbine Lubrication Systems
- Plastic Injection Molding Machines
- Industrial Forges and Presses

Description

The service-friendly Varnish Elimination Unit (VEU) is used to prepare mineral oils and is particularly effective at removing oil aging products (varnish) from mineral oils. Varnish takes the form of oil-insoluble aging products which settle in the tank, in valves or in bearings. These can be filterable gels or solid paint-type deposits. The VEU series product is used in bypass flow. The removal of varnish is based on reducing the oil solubility for varnish with subsequent filtration using a combination of a heat exchanger with Dimicron® filter element technology.

Specifications

Flow Rate:	VEU-x-10-...=10 gpm (38 L/min) VEU-x-15-...=15 gpm (57 L/min)
Fluid Viscosity:	75 to 2,000 SUS
Permitted Operating Fluids:	Mineral-based
Fluid Service Temperature:	VEU-x-10-: 32°F to 140°F (0°C to 60°C) VEU-x-15-: 32°F to 176°F (0°C to 80°C)
Pump Operating Pressure:	87 psi (6 bar) max
Differential Pressure Across Elements:	72.5 psi (5 bar) max
Permissible Inlet Pressure Range:	-5.8 psi to 7 psi (-0.4 bar to 0.48 bar)
INLET Port Connection:	VEU-x-10-: 1-5/8 x 12UN - Male VEU-x-15-: 1-7/8-12UN - Male
OUTLET Port Connection:	1-5/16 x 12UN - Male
Water INLET port connection (VEU-W-...only)	1-1/2 x NPT - Male
Water OUTLET port connection (VEU-W-...only)	1-1/2 x NPT - Male
Supply Voltage:	460V AC / 60Hz / 3 Ph. 575V AC / 60Hz / 3 Ph.
Seal Material:	FKM (Viton®)
Ambient Temperature Range:	32°F to 104°F (0°C to 40°C)
Storage Temperature Range:	0°F to 140°F (-18°C to 60°C)
Relative Humidity:	0% to 80%, non-condensing
Weight:	VEU-x-10-: 1,100 lbs. (499 kg.) VEU-x-15-: 1,150 lbs. (522 kg.)

Sizing + Element Selection

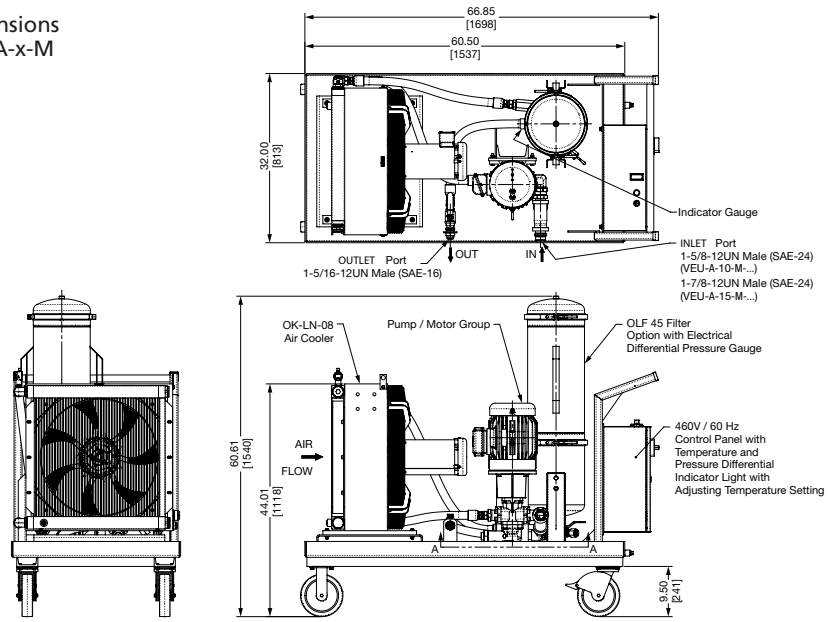
Sizing Chart

Tank Volume (gallons)	VEU-F Model
150 to 1200	VEU-x-10-
225 to 2000	VEU-x-15-

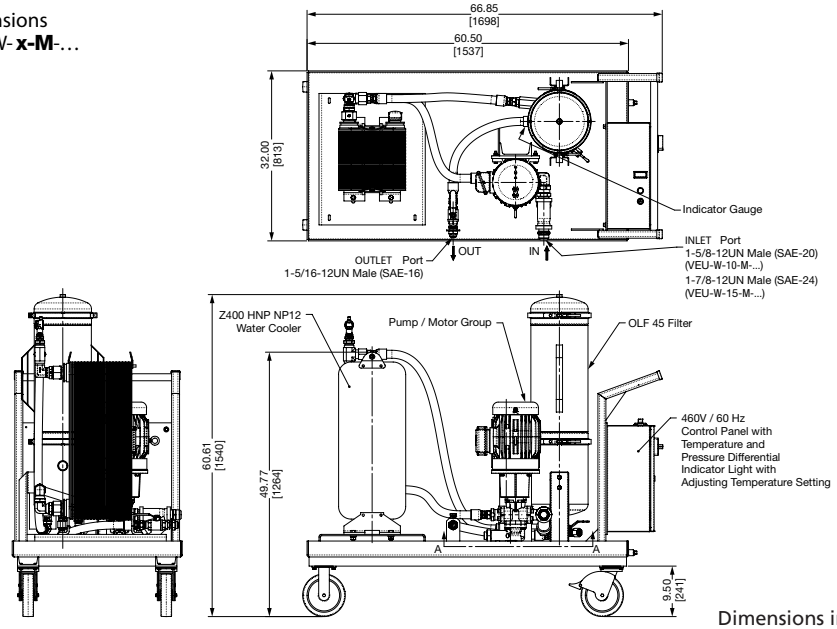
Model Code	Micron Rating	Part No.
N15DM002	2	1251590
N15DM005	5	3252552
N15DM010	10	3115180

Varnish Elimination Unit VEU

Dimensions
VEU-A-x-M



Dimensions
VEU-W-**x-M**-...



Dimensions in inches (mm).

How to Build a Valid Model Number for a Schroeder VEU:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7
VEU						

Example: *NOTE: One option per box*

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	
VEU	A	15	M	060	DM02	C	**= VEU-A-15M060DM02C**

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
Model	**Cooling Method**	**Flow Rate**	**Version**	**Motor Voltage**
VEU	A = Air	10 = 10 gpm	S = Stationary	060 = 460V/ 3 Phase
	W = Water	15 = 15 gpm	M = Mobile	P60 = 575V/ 3 Phase

BOX 6	BOX 7
Motor Voltage	**Clogging Indicator**
DM02 = N15DM002, 2µm Absolute	C = Electrical differential pressure switch w/ indicator light in control panel
DM05 = N15DM005, 5µm Absolute	
DM10 = N15DM010, 10µm Absolute	

Model Number Selection

Preferred order codes designate shorter lead times and faster delivery.