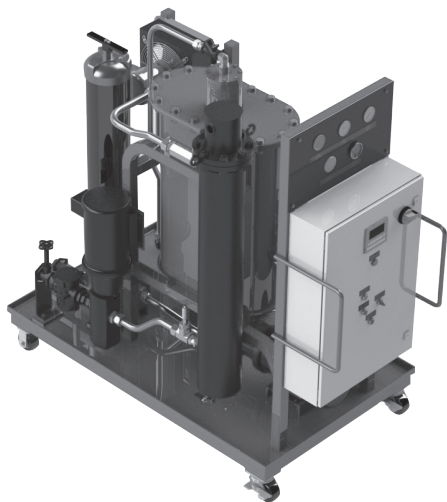


North American Vacuum Dehydrator

NAV



Features and Benefits

- Water Sensor standard on all units to show percent saturation
- Removes 100% of free and over 90% of dissolved water, as well as 100% of free and over 90% of dissolved gases
- Maintenance, operating, troubleshooting instructions are in HMI (touchscreen)
- Automatic mode enables user-defined system shutdowns
- Use of a low maintenance, dry running claw vacuum pump helps to avoid any dangerous, chemically reactive by-products

30 gpm
113.6 L/min

The North American Vacuum Dehydrator (NAV) uses vacuum dehydrating technology to remove both free and dissolved water, and gases, from oil. In addition to water and gas, the NAV also removes solid contaminants from the oil with the use of highly efficient filter elements installed on the unit. The NAV is designed for use with larger applications, such as the conditioning of oil in larger hydraulic and lube reservoirs.

Description

Dimensions: 39" W x 76" L x 74" H (99.06 cm x 193.04 cm x 187.96 cm)

Dry Mass: 1990 lbs (903 kg)

Inlet Connections: 2" NPT

Outlet Connections: 1 ½" NPT

Flow Rate: 30 gpm (114 L/min)

Inlet Pressure: 22 in. Hg - 10 psi

Outlet Pressure: 110 psi (7.6 bar)

Fluid Service Temperature: 39°F to 170°F (3.8°C to 77°C)

Operating Temperature: 39°F to 105°F (3.8°C to 40.6°C)

Fluid Viscosity: 150-3280 SUS (23-700 cSt)

Power Supply: 460V or 575V

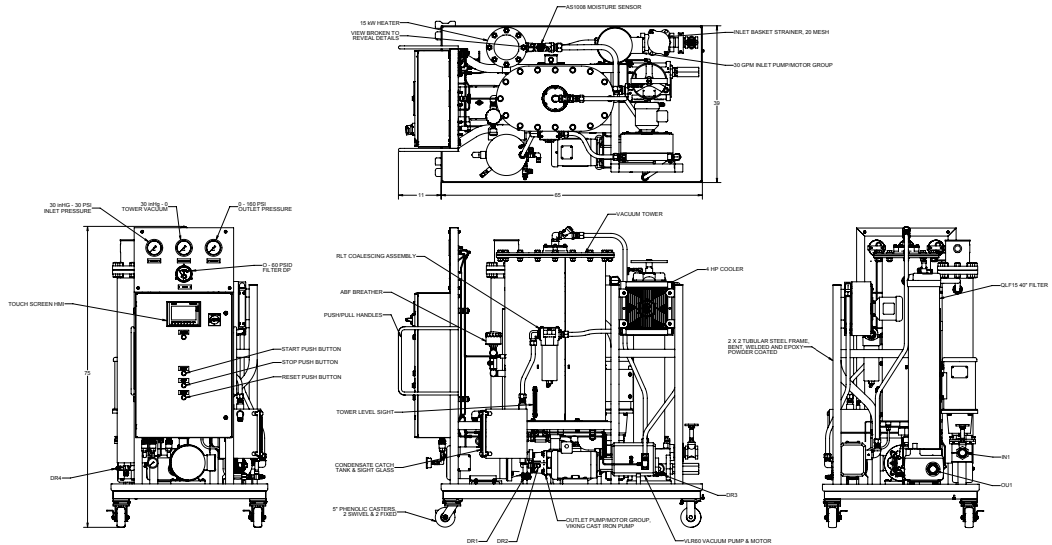
Attainable Water Content: <10ppm

Relative Humidity Display: Standard, 0 - 99%

Constructions: Base Frame: Carbon Steel
Vessel: Carbon Steel
Seals: Viton

Protection Class: NEMA 4

Specifications



Model Number Selection

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

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

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7
NAV	30	M	2	A	H	10

= NAV30M2AH10

BOX 1	BOX 2	BOX 3	BOX 4
Series	Flow Rate	Operating Fluid	Type
NAV	30 = 30 gpm	M = Mineral Oils (including oils w/ max. Viscosity as identified in specifications)	1 = Stationary 2 = Mobile

BOX 5	BOX 6	BOX 7
Voltage/Frequency	Heater	Filtration Rating
A = 460V / 60Hz / 3Ph+PE B = 575V / 60HZ / 3PH+PE	H = Standard	3 = 3 Micron 5 = 5 Micron 10 = 10 Micron 25 = 25 Micron