

20 GPM DEHYDRATOR

NEMA 7



Representative Water and Particulate Removal System

Features

- Dry Claw Style Vacuum Pump
- Variable Frequency Drive
- Anti-Wear Media
- Front Access To Controls, And Valves

20 GPM Water & Particulate Removal System NEMA 7 Explosion Proof.

This system is suitable for use in Class 1, Div. 2, Groups B,C&D hazardous locations, it is designed to remove free, dissolved, and emulsified water from various types of lube, hydraulic, and gear oils down to a value as low as 20 PPM.

It is also equipped with an industry standard filter housing which will accept high efficiency micro-glass filter element rated Beta(c)>1000 Per ISO 16889.

Benefits:

- Higher CFM Which Maximizes Water Extraction Rates, and Requires Lower Maintenance
- Speed Control Which Offers Versatility on High Viscosity Oils, Or Cold oil Applications
- Media in Vacuum Tower Never Needs To Be Replaced Which Eliminates Costly Element Change out
- Safety Feature Which Allows The Operator To Access All Controls, and Valves from the Front Side Of The unit



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Specifications:

Water and Particulate Removal System - 20 GPM- 7 (NEMA 7 Rated)

Class 1, Div. 2, Groups B,C&D hazardous locations

Flow Rate - 20 GPM

Pre-Filtration -(Inlet **BASKET** Strainer 20 Mesh)

Filtration – Equipped With a 304SS Industry Standard Absolute Rated Micro-Glass Filter Element In A Hydraulic Filter Housing Rated to 150 PSI maximum pressure

Heater -36 kW Single Circulation Low Watt Density Heater NEMA 4/7 rated with Process/High Limit/Shunt Safety's **Inlet/Discharge Size and Connections** – 1.5" JIC

Heat exchanger – Electric Fan Driven NEMA 7 Rated

Pre-Filtration (Discharge Pump)- (Inlet **BASKET** Strainer 20 Mesh)

Discharge Pump - Internal Gear w/Pressure Relief Set@ 100 PSI

Discharge Pump drive motor - 480V/ 3 Ph/ 60 Hz TEFC. NEMA 7 Class I Div. 2 Rated

Base - Carbon Steel With 2.0" Spill Containment Rail, Fork Slots, And Low Point Drain Caster mount holes

Vacuum System – Claw Style Type 43 CFM @ 3540 RPM Ultimate Vacuum 28.44 (In.Hg), Ultimate Vacuum Continuous Operation 27 (In. Hg) with NEMA 7 Class I Div. 2 rated motor

Oil Sampling Ports– “ Best Practice” Quick connect with dust caps

Instrumentation - Liquid Filled Industrial Style Panel Mount

Inlet Safety Direct Acting Solenoid Valve - 120 V/ 1Ph/ 60 Hz. NEMA 7 Rated

Safety Discharge Check Valve - Inline Ball Style 5 PSI Cracking Pressure

Piping – 304SS, Rated For Temperature To 225 deg. F. @ Pressures Rated To 150 PSI

Finish - Industrial Type Powder Coating

Internal Coating - Dry Powder Fusion Bonded Industrial Powdered Coating

Control Panel - NEMA 7 Rated Equipped with, Industrial Grade NEMA 7 rated Pilot Lights, Variable Frequency Drive (VFD), and Siemens PLC

Temperature/ Hour meter NEMA 7 Enclosure- NEMA 7 rated port hole housing to contain The digital temperature controller, and hour meter

Hoses- Qty.(2) 1.5" x 20ft. heavy duty petroleum transfer with MJIC x FMSJIC ends

System Voltage – 480V 3 Phase 60 Hz (60 AMP)

Dimensions – 48" W X 80" L X 85" H Estimated

Weight–Estimated 3,400 Lbs.



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