



RELIABILITY SERVICES

EQUIPMENT

In addition to our portfolio of reliability services, we have an expansive fleet of equipment to help your operation maintain optimum oil cleanliness and equipment performance. Our fleet is portable and ranges in size and capability to accomplish any job, no matter the scope.

EQUIPMENT	INFORMATION
Vacuum Dehydrators	5 GPM - 50 GPM Class I Div II Available Units
Varnish Removal Skids	1 GPM - 5 GPM Class I Div II
Filter Transfer Carts	Class I Div II
Handheld Filtration and Oil Transfer Unit	Electrically Driven NEMA 4
Filter Pots	Stand Alone for Inline Use
High Flow Coalescing Filter Unit	50 GPM - 100 GPM
Heated Filtration Skids	100 GPM - 500 GPM
Filtration Skids	Flowrates up to 50 GPM
Diaphragm Transfer Pumps	1.5"-2"
Particle Counters	Inline or Bottles
Clean Storage Tanks	Various Tote Sizes/Tanks

320 GPM High Velocity Flushing Skid

GENERAL UNIT INFORMATION

(2) Heater System allows for hot oil to be circulated throughout piping and system to provide a more effective particulate removal operation

Class I Div II High Velocity Flushing Skid

Variable Frequency Drive – More control over flowrates and output

Four parallel high-flow filter elements to maximize particulate removal

Positive displacement gear pump provides simple, yet reliable and effective operations



SPECIFICATIONS

MANUFACTURER

NO LIMIT Filtration

UNIT ID

BP1011

INLET CONNECTION SIZE

4" 150 Class ANSI Rated Flange

OUTLET CONNECTION SIZE

4" 150 Class ANSI Rated Flange

FLOWRATE

320 GPM with VFD allowing flowrates to range from 320 GPM down to 80 GPM

FILTRATION

(4) filter element pot that operate in parallel with optional micron sizes (<4, 5, or 8)

ELECTRICAL

NEMA 7 - 480V/3Ph/60Hz

FULL LOAD AMPS

70/105 – Ability to run one heater at 70 Amps or both heaters at full load of 105 Amps

DIMENSIONS

60" W x 105" L x 81" H

WEIGHT

6,500 LBS

MAX DISCHARGE PRESSURE

100 PSI

MAX ISO VISCOSITY

320 cSt

NORMAL OPERATING TEMPERATURE

150° F

70 GPM Bulk Diesel Polishing Skid

GENERAL UNIT INFORMATION

Designed with integrated particulate removal pre-filtration for maximum coalescing filter element life in the downstream housing

Sized for high flow or highly contaminated fluid applications

A revolutionary element designed for the highest single-pass water and particulate removal efficiencies in today's ultra-low sulfur diesel (ULSD) fluids

Allows users to achieve or exceed the particulate and water removal specifications of the injection system OEMs



SPECIFICATIONS

MANUFACTURER

Schroeder Industries

FLOW RATING

Up to 70 gpm (265 L/min) for ULSD15

INLET AND OUTLET CONNECTION SIZE

-24 (ORB) SAE J1926

DRAIN CONNECTION UPPER & LOWER

1/4" NPT Ball Valve

MAX OPERATING PRESSURE

100 psi (7 bar)

MIN. YIELD PRESSURE

400 psi (27.6 bar) without sight gauge

TEMPERATURE

-20°F to 165°F sump heater option
32°F to 165°F standard or AWD option

BYPASS INDICATION

Particulate Filter: 15 psi (1.03 bar)
Coalescing Filter: 25 psi (1.7 bar)

BYPASS VALVE CRACKING

Particulate Filter: 20 psi (1.37 bar)
Coalescing Filter: 30 psi (2 bar)

MATERIALS OF CONSTRUCTION

Porting base: Anodized Aluminum
Element bowl: Epoxy Paint w/High-phos Electroless
Nickel Plating (Standard)
Cap: Plated Steel

DIMENSIONS

24" L x 14" W x 55" H

WEIGHT

441 LBS

ELEMENT CHANGE CLEARANCE

33.8"

50 GPM Vacuum Dehydration Unit

GENERAL UNIT INFORMATION

Class I Div II Vacuum Dehydration Unit

Variable Frequency Drive – More control over flowrates and output

Automatic Water Drain

Particulate Element to aid in removal of contaminants



SPECIFICATIONS

MANUFACTURER

NO LIMIT Filtration

UNIT ID

BP1009 and BP1012

INLET CONNECTION SIZE

2" Camlock

OUTLET CONNECTION SIZE

2" Camlock

FLOWRATE

50 GPM with VFD allowing flowrates to range from 50 GPM down to 12.5 GPM

FILTRATION

Single filter element with optional micron sizes (<4, 5, or 8)

ELECTRICAL

NEMA 7 - 480V/3Ph/60Hz

FULL LOAD AMPS

60/98 – Ability to run one heater at 60 Amps or both heaters at full load of 98 Amps

DIMENSIONS

50.0 W x 81.5 L x 94.4 H

WEIGHT

5,000 LBS

MAX DISCHARGE PRESSURE

100 PSI

MAX ISO VISCOSITY

320 cSt

NORMAL OPERATING TEMPERATURE

150° F

20 GPM Vacuum Dehydration Unit

GENERAL UNIT INFORMATION

Class I Div II Vacuum Dehydration Unit

Variable Frequency Drive – More control over flowrates and output

Automatic Water Drain

Particulate Element to aid in removal of contaminants



SPECIFICATIONS

MANUFACTURER

NO LIMIT Filtration

UNIT ID

DH20-0504, DH20-0504-06, DH20-0504-07

INLET CONNECTION SIZE

2" Camlock

OUTLET CONNECTION SIZE

2" Camlock

FLOWRATE

20 GPM with VFD allowing flowrates to range from 20 GPM down to 5 GPM

FILTRATION

Single filter element with optional micron sizes (<4, 5, or 8)

ELECTRICAL

NEMA 7 - 480V/3Ph/60Hz

FULL LOAD AMPS

48 Amps – With the ability to run 2 heaters, 1 heater, or no heaters.

DIMENSIONS

49" W x 70" L x 88" H

WEIGHT

1,800 LBS

MAX DISCHARGE PRESSURE

100 PSI

MAX ISO VISCOSITY

320 cSt

NORMAL OPERATING TEMPERATURE

150° F

10 GPM Vacuum Dehydration Unit

GENERAL UNIT INFORMATION

Class I Div II Vacuum Dehydration Unit

Variable Frequency Drive – More control over flowrates and output

Automatic Water Drain

Particulate Element to aid in removal of contaminants



SPECIFICATIONS

MANUFACTURER

NO LIMIT Filtration

UNIT ID

BP1013 and BP1014

INLET CONNECTION SIZE

1" Camlock

OUTLET CONNECTION SIZE

1" Camlock

FLOWRATE

10 GPM with VFD allowing flowrates to range from
10 GPM down to 2.5 GPM

FILTRATION

Single filter element with optional micron sizes
(<4, 5, or 8)

ELECTRICAL

NEMA 7 - 480V/3Ph/60Hz

FULL LOAD AMPS

45 Amps – With the ability to run 2 heaters, 1 heater,
or no heaters.

DIMENSIONS

43" W x 65" L x 84" H

WEIGHT

1,600 LBS

MAX DISCHARGE PRESSURE

100 PSI

MAX ISO VISCOSITY

320 cSt

NORMAL OPERATING TEMPERATURE

150° F

Varnish Mitigation and Filtration Unit

GENERAL UNIT INFORMATION

Class I Division II Varnish Mitigation and Filtration Unit

Resin based technology allows for no physical change to current lube oil

Installation and deploying of unit without costly downtime to turbine

Simple slip stream draws from lube oil system and can be run with turbine online or offline

Pre and post particulate filters to aid in removal of contaminants from oil



SPECIFICATIONS

UNIT ID(s)

BP1002, BP1010, BP1015, BP1016

INLET CONNECTION SIZE

1" ISO-B Quick Connect

OUTLET CONNECTION SIZE

3/4" ISO-B Quick Connect

FLOWRATE

1 GPM to allow ultimate contact with resin filtration

FILTRATION

(1) Resin filtration for varnish removal and (2) particulate filters

ELECTRICAL

NEMA 7 – 120V/1Ph or 208-230/1PH

FULL LOAD AMPS

13.4 or 6.8-6.7

DIMENSIONS

28" W x 32" L x 56" H

WEIGHT

620 lbs

MAX DISCHARGE PRESSURE

100 PSI

VISCOSITY RANGE

15 to 80 cSt