

Filtration Station®

Introduction

The Filtration Station® (FS) is capable of flushing, filtering, and monitoring ISO cleanliness with user-defined automatic features. The FS is designed to transfer fluid through two (2) K9 filters in series for staged particulate or water/particulate removal. The FS is always furnished with two filter housings. Both filters are top-loading and include element indicators in the cap. A particle monitor reads samples from the pump discharge and displays ISO contamination codes on the onboard TCM (optical particle counter). The TCM particle counter allows the user to input the desired ISO cleanliness codes for the fluid. In auto mode, the system will run until the cleanliness codes are reached. Upon reaching the codes, the pump will stop and the cycle complete light will come on. When in manual mode, the system will run continuously and display the ISO codes. An optional water sensor is available for providing the water saturation of the fluid, which is displayed on the control panel.



Features and Benefits

- Real time monitoring of ISO cleanliness
- Automatic shutdown when user defined ISO codes are reached
- USB port allows the ISO code data to be downloaded for further processing and/or printing
- 30 mesh suction strainer and 230 micro filter and included to protect the pump and particle monitor from clogging
- Optional water sensor allows real-time water saturation of the fluid to be displayed
- Bypass valve allows cart to be used as a bulk fluid transfer cart
- Single lift point for easy lifting
- Plastic removable drip pan
- DC drive, variable flow model available

Applications

- | | |
|--|---|
| ■ In-Plant Service | Filter to desired cleanliness levels and extend component life |
| ■ Mobile Dealer Networks | Aid in certified re-builds, service contracts and total maintenance & repair programs |
| ■ Original Equipment Manufacturer | Filter to require roll-off cleanliness levels |
| ■ Lubricant Reclamation/Recycling | Clean oil to extend oil life and reduce hazardous waste |

Schroeder
INDUSTRIES

Advanced Fluid Conditioning Solutions®

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Specifications

Flow Rating: AC Version: 9 gpm (34 L/min) fixed
DC Version: 3-8 gpm (11-30 L/min) variable

Motor: AC Version: 1.5 HP-15 amps at 120 V
DC Version: 1 HP-10 amps 120 V

Viscosity: 1000 SUS (216 cSt)

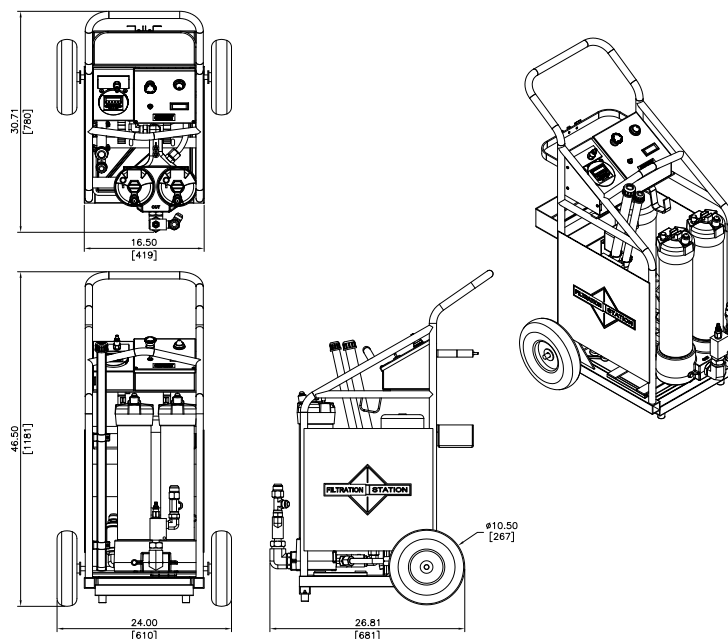
Operating Temperature: -20°F to 150°F (-29°C to 65°C)

Bypass Valve Setting: Cracking: 30 psi (2 bar) x 2

Compatibility: All petroleum-based hydraulic fluid.
Compatible with Buna or Viton®
Contact factory for use with other fluids

Element Change Clearance: 17.50" for 2K / 26.5" for 27K

Weight: 195 lbs (89 kg)



Model Code

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

BOX 1 BOX 2 BOX 3 BOX 4 BOX 5 BOX 6 BOX 7 BOX 8 BOX 9
FS - [] - [] - [] - [] - [] - [] - [] - [] - []

Example: Note: One option per box

BOX 1 BOX 2 BOX 3 BOX 4 BOX 5 BOX 6 BOX 7 BOX 8 BOX 9
FS - A - 3 - 09 - Z03 - Z01 - V - 9 - []

NOTES:

Box 2. A plug is not provided for options B & C in Box 2 (220 V).

Box 3 & 4. Double or triple length bowls only; matching background colors indicate available combinations: if Box 3 = 1, Box 4 must be either 18 or 27; when Box 3 = 2 or 3, Box 4 must be 09.

Box 5 & 6. Water removal (W) elements are indicated by an "EWR" in the part number and are not followed by a 01, 03, 05, 10 or 25

Box 8. When Box 8 = D, Box 2 must be A.

Box 9. Water removal elements removed FREE water, the water sensor displays dissolved water content. The water sensor is to be used as a reference tool for hydraulic oil analysis purposes only.

	BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6
Model	FS	Voltage	No. of Elements	Element Length	Element Media First Filter	Element Media Second Filter
		A = 120 VAC 60 Hz B = 220 VAC 60 Hz C = 220 VAC 50 Hz	1 2 3	18 27 09 09	Z, EWR** plus 01, 03 05, 10, 25	Z, EWR** plus 01, 03 05, 10, 25
	BOX 7	BOX 8	BOX 9			
Seal Material	Pump Size	Options				
B = Buna N V = Viton®	9 = 9 gpm D = DC Drive, variable flow 3-8 gpm	W = TWS-C Water Sensor				