

9 gpm or  
3-8 gpm variable  
34 L/min or  
11-30 L/min



#### Features and Benefits

- Real time monitoring of ISO cleanliness classes
- 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 micron filter are included to protect the particle monitor from clogging
- Water sensor allows real-time water saturation of the fluid to be displayed
- Bypass valve allows cart to be used as a transfer cart
- Single lift point
- Plastic removable drip pan
- Hoses and connection tubes included (13' total length)

#### Applications

- In-Plant Service: Filter to desired cleanliness levels and extend component life
- Mobile Dealer Networks: Aid in certified re-builds, service maintenance 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

#### Description

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 control panel. The monitor 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. The included water sensor reports the water saturation of the fluid, which is displayed on the control panel.

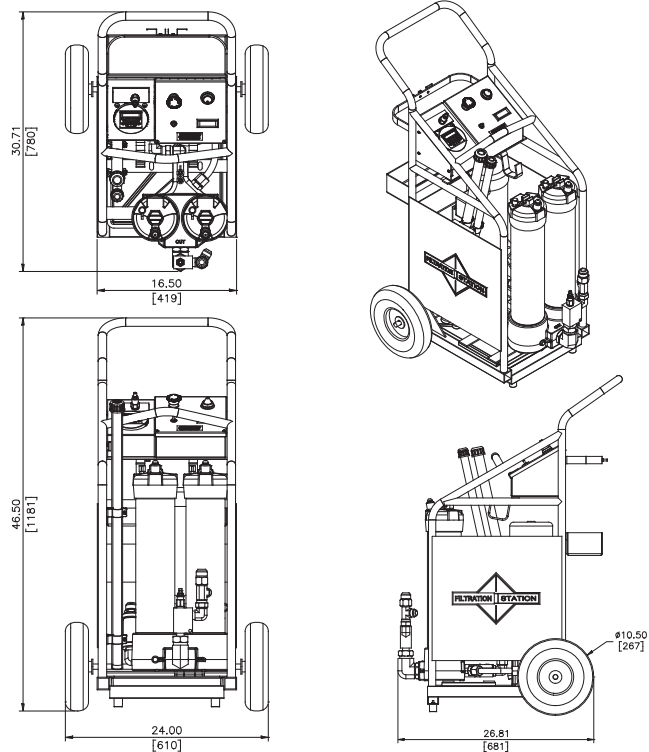
#### Specifications

Flow Rating:	9 gpm (34 l/min) fixed or 3-8 gpm (11-30 l/min) variable
Motor:	1.5 HP - 15 amps at 120 volts AC for fixed flow 1 HP - 10 amps at 120 volts AC for variable flow
Viscosity:	60 - 1,000 SUS (10-216 cSt)
Fluid Temperature Range:	-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. Contact factory for use with other fluids.
Element Change Clearance:	8.50" (215 mm) 1K
Weight:	195 lbs (89 kg)
Protection Class:	IP54 (DIN 40050)

\*Note: Optional front caster set PN: 7627132 includes (2) plate mount swivel casters with brake, installation hardware and mounting instructions.

#### Element Performance Information

Element	Filtration Rating Per ISO 4572/NFPA T3.10.8.8 Using automated particle counter (APC) calibrated per ISO 4402			Filtration Rating wrt ISO 16889 Using APC calibrated per ISO 11171		Dirt Holding Capacity gm
	$\beta_x \geq 75$	$\beta_x \geq 100$	$\beta_x \geq 200$	$\beta_x(c) \geq 200$	$\beta_x(c) \geq 1000$	
KZ5/KKZ5	2.5	3.0	4.0	4.8	6.3	119 / 238
KZ10/KKZ10	7.4	8.2	10.0	8.0	10.0	108 / 216
KZ25/KKZ25	18.0	20.00	22.5	19.0	240.	93 / 186



Metric dimensions in ( ).

## 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	1	27	Z05	Z03	B	9	W

 = FSA127Z05Z03B9W

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
Model	Voltage	No. of Elements	Element Length	Element Media First Filter
FS	A = 120 V / 60 Hz B = 220 V / 60 Hz C = 220 V / 50 Hz	1 2 3	09 18 27	Z01 = 1 µm Excellement® Z-Media® (synthetic) Z03 = 3 µm Excellement® Z-Media® (synthetic) Z05 = 5 µm Excellement® Z-Media® (synthetic) Z10 = 10 µm Excellement® Z-Media® (synthetic) Z25 = 25 µm Excellement® Z-Media® (synthetic) EWR = Water Removal G03 = 3 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G05 = 5 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G10 = 10 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G25 = 25 µm Excellement® Z-Media® (synthetic) w/GeoSeal® GWR = Water Removal w/GeoSeal®

BOX 6	BOX 7	BOX 8	BOX 9
Element Media Second Filter	Seal Material	Pump Size	Water Sensor
Z01 = 1 µm Excellement® Z-Media® (synthetic) Z03 = 3 µm Excellement® Z-Media® (synthetic) Z05 = 5 µm Excellement® Z-Media® (synthetic) Z10 = 10 µm Excellement® Z-Media® (synthetic) Z25 = 25 µm Excellement® Z-Media® (synthetic) EWR = Water Removal G03 = 3 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G05 = 5 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G10 = 10 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G25 = 25 µm Excellement® Z-Media® (synthetic) w/GeoSeal® GWR = Water Removal w/GeoSeal®	B = Buna V = Viton®	9 = 9 gpm D = DC drive, variable flow, 3-8 gpm	W = TestMate® Water Sensor

For replacement element part numbers, please see "Appendix Section - Replacement Elements" of this catalog.

Model Number  
Selection

## NOTES:

Box 2. A plug is not provided for options B & C in Box 2 (220 V). If C is chosen, flow rate will be reduced to 7 and 6 gpm.

Box 3 & 4. Box 3 = 1, Box 4 must be either 18 or 27; when Box 3 = 2 or 3, Box 4 must be 09.

Box 9. The water sensor is to be used as a reference tool for hydraulic oil analysis purposes only.

CS 1000  
CS 1939  
CSI-C-11  
HY-TRAX®  
RBSA  
CSM  
FCU  
MCS  
AS  
SMU  
CTU  
EPK  
Trouble  
Check Plus  
HMG2500  
HMG4000  
ET-100-6  
HTB  
RFSa  
HFS-BC  
HFS-15  
MFD-BC  
MFS, MFD  
HY-TRAX®  
Retrofit System  
MFD-MV  
MFS-HV  
AMS, AMD  
FS  
AMFS  
KLS, KLD  
KLCO  
MCO  
AKS, AKD  
LSN, LSA, LSW  
X Series  
OLF Compact  
OLF  
OLF-P  
NxTM  
VEU-F  
VMU  
IXU  
Triton-A  
Triton-E  
NAV  
SVD01  
OXs  
Appendix