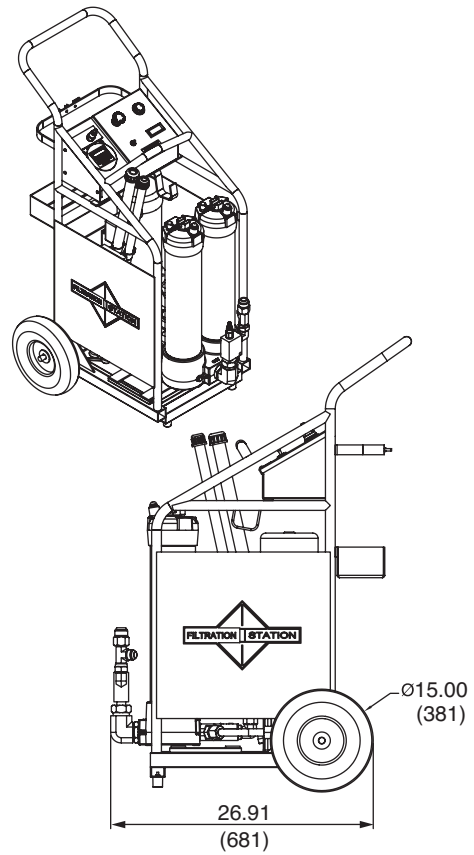
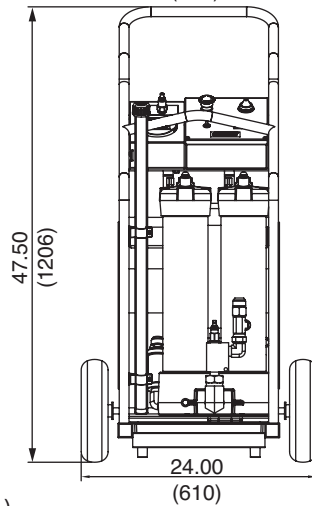
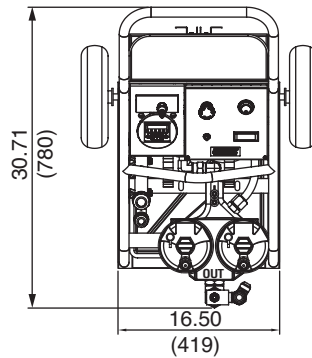


## FS



Metric dimensions in ( ).

### 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. An optional water sensor is available for providing the water saturation of the fluid, which can be displayed on the control panel.

### Features

- 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 and included to protect the 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 transfer cart
- Single lift point
- Plastic removable drip pan

### Applications

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>■ In-Plant Service</li> <li>■ Mobile Dealer Networks</li> </ul>                         | <p>Filter to desired cleanliness levels and extend component life</p> <p>Aid in certified re-builds, service maintenance contracts and total maintenance &amp; repair programs</p> |
| <ul style="list-style-type: none"> <li>■ Original Equipment Manufacturer</li> <li>■ Lubricant Reclamation/Recycling</li> </ul> | <p>Filter to require roll-off cleanliness levels</p> <p>Clean oil to extend oil life and reduce hazardous waste</p>  |



# Filtration Station®

<b>Flow Rating:</b>	9 gpm (34 l/min) fixed or 3-8 gpm (11-30 l/min) variable
<b>Motor:</b>	1.5 HP - 15 amps at 120 volts AC for fixed flow 1 HP - 10 amps at 120 volts AC for variable flow
<b>Viscosity:</b>	1000 SUS (216 cSt)
<b>Fluid Temperature Range:</b>	-20°F to 150°F (-29°C to 65°C)
<b>Bypass Valve Setting:</b>	Cracking: 30 psi (2 bar) x 2
<b>Compatibility:</b>	All petroleum-based hydraulic fluid. Contact factory for use with other fluids.
<b>Element Change Clearance:</b>	8.50 (215) 1K
<b>Weight:</b>	195 lbs (89 kg)

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

## 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	W

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6
Model	Voltage	No. of Elements	Element Length	Element Media First Filter	Element Media Second Filter
FS	A = 120 VAC 60 Hz B = 220 VAC 60 Hz C = 220 VAC 50 Hz	1 2 3	18 27 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	Water Sensor
B = Buna N V = Viton	9 = 9 gpm D = DC drive, variable flow, 3 - 8 gpm	W = TestMate® Water Sensor

### Notes:

- Box 2: A plug is not provided for options B & C in Box 2 (220 V).
- Boxes 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.
- Boxes 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: Option D in Box 8 requires that Box 2 = 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.

## Specifications

- TCM
- TCM-FC
- TSU
- TMU
- TPM
- TIM
- TMS
- CTU
- TWS-C

## Element Performance Information

- ET-100-6
- HMG 3000
- EPK
- HTB
- GS

## Model Number Selection

- Trouble Check Plus
- Test Points
- Adapters
- Hose Joiners
- Microflex Hose
- Pressure Limiters
- Pressure Gauges
- Test Kits
- Probalizer
- Filtration Station**

- MFS, MFD
- AMS, AMD
- KLS, KLD
- AKS, AKD
- KLC
- X Series
- MTS
- HFS
- SVD
- TDS-A
- TDS-E
- IXU
- Appendix