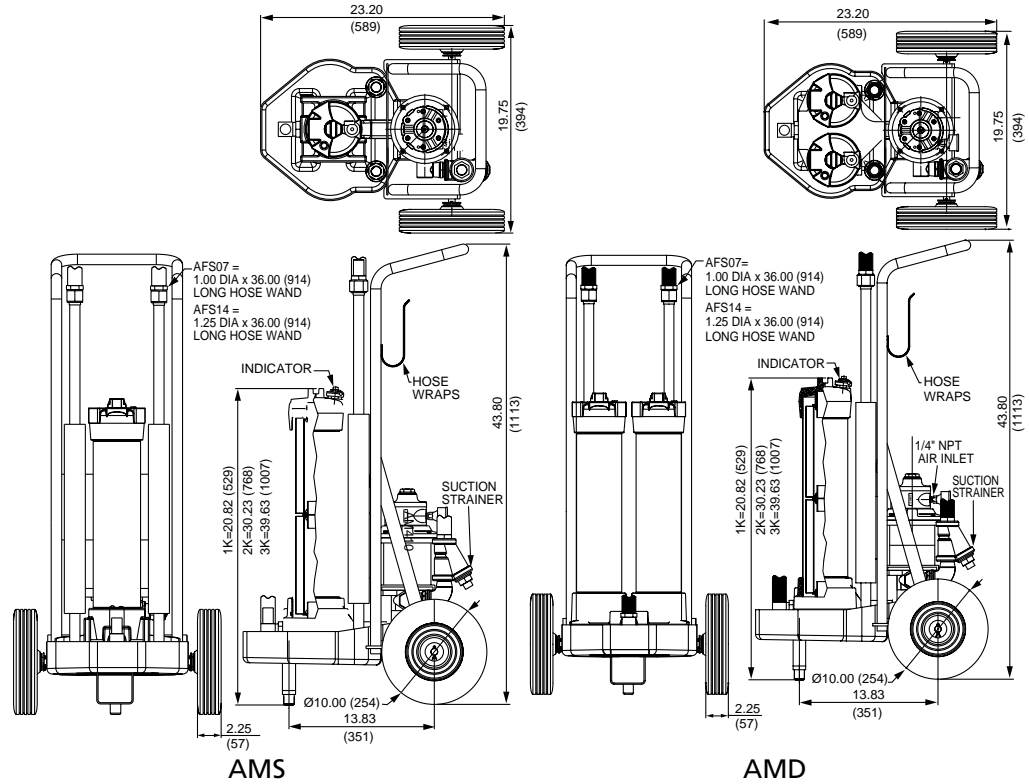


Air-Operated Mobile Filtration Systems



Patent Pending **AMS**
AMD

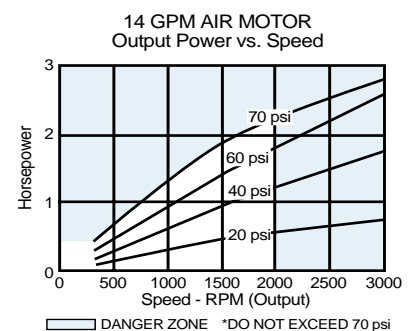
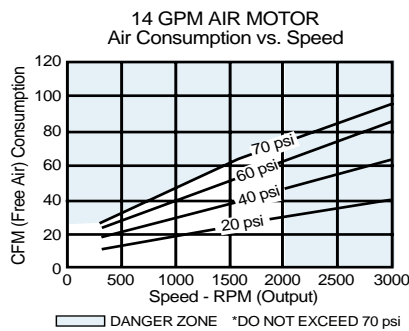
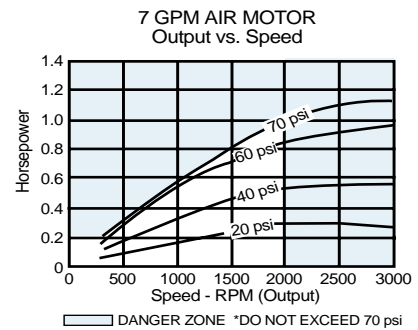
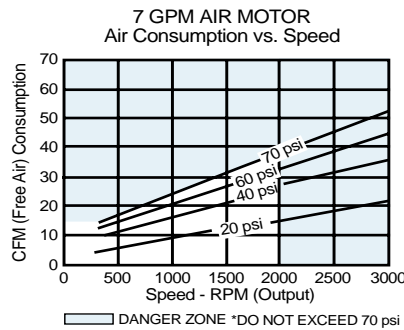


Metric dimensions in ().

Description

Schroeder Industries LLC now offers a mobile filtration system with a pneumatic motor in place of the standard electric motor. The pneumatic motor offers the same flow capability using the same components, but without the need for an electrical outlet. This provides a major advantage in the application of this unit. With no need for an electrical outlet, it is more portable than the standard electric-motored skids and carts.

Because most trucks and industrial machinery are already equipped with an air compressor, a simple connection to the 1/4" NPT port will easily power the 1.5 HP (or 4.0 HP) motor. At 70 psi, and 2000 rpm, this motor consumes less than 40 cfm (70 cfm for the 4.0HP motor) of compressed air. Because no electricity is used, the pneumatic motor is ideal for working in hazardous environments such as mines.



Note: Performance data represents a 4-vane model with no exhaust restriction.



Air-Operated Mobile Filtration Systems

- Supplementing continuous filtration by system filters
- Cleaning up a hydraulic system following component replacement
- Filtering new fluid before it is put into service
- Transferring fluid from storage tanks and drums to system reservoirs
- Field applications on service trucks

Applications

Mobile Filtration Systems

Air-Operated Mobile Filtration Systems

Specifications

Kidney Loop System

Air-Operated Kidney Loop System

Auto Flush Filter Cart

Filtration Station

X Series Filter Skids

Flow Rating:	7 gpm max. (26.5 L/min.) and 14 gpm max. (53.0 L/min.)
Maximum Viscosity:	1000 SUS (216 cSt) Higher viscosity version available. Contact factory for details.
Housing Pressure Rating:	250 psi (17.2 bar) max. operating 1000 psi (68.9 bar) min. yield
Maximum Operating Temperature:	-20°F to 150°F (-29°C to 65°C) ²
Bypass Valve Setting:	Cracking: 30 psi (2 bar)
Material:	Manifold and cap: Cast aluminum Element case: Steel
Compatibility:	All petroleum based hydraulic fluid. Contact factory for use with other fluids.
Element Change Clearance:	8.50 (215) 1K

¹For higher hose pressure applications contact factory.

²For higher temperature applications contact factory.

Weights

GPM	MFS-1K lb. (kg)	MFS-2K lb. (kg)	MFS-3K lb. (kg)	MFD-1K lb. (kg)	MFD-2K lb. (kg)	MFD-3K lb. (kg)
7	170 77	180 82	190 86	185 84	203 92	220 100
14	177 80	187 85	197 89	192 87	210 95	227 103

Model Number Selection

Filter Series	No. of Elements	Element Length	Element Media First Filter	Element Media Second Filter (MFD Only) ^{***}	Seal Material	GPM ¹
AMS	1	09	E*, Z, EWR** plus 01, 03 05, 10, 25	E*, Z, EWR** plus 01, 03 05, 10, 25	B = Buna N	07 ² 14 ²
		18				
27						
AMD	2	09				
		3	09			

Notes:

1. GPM only valid with fluids up to 1000 SUS.

2. 07 GPM - 50 CFM at 70 psi.

14 GPM - 70 CFM at 70 psi.

*E media elements are only available in 03, 10 and 25 microns.

**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.

***When MFD is ordered, the number of elements, element length, and seals will be identical for both filter housings.