

## Schroeder Industries Provides High Viscosity Filter Cart Option

### Background

Gear Boxes are used in a variety of applications: Injection, Molding, Mining, Wind Paper Plant and others. The gear box oil has to lubricate the gears and bearings, protecting them from wear and tear. Often, gear boxes have insufficient filtration or no filtration which leads to the contamination accumulating in the fluid. This build-up of contamination can cause the gears and bearings to prematurely fail.

Hydraulic fluids and gear oils used can vary in viscosity from 220 to 460 cSt (1,000 to 5,000 SUS) and up. Under cold conditions, when machinery is not running or in outside applications, the viscosity can easily exceed the nominal viscosity of the fluid (measured at 40°C) and increase dramatically.

### Solution

Schroeder Industries has developed a couple of High Viscosity Filter Carts for those applications where the viscosity range exceeds that of a standard filter cart.

### Specifications

	MFD-MV	MFS/D-HV
<b>Viscosity Range:</b>	up to 5,000 SUS	up to 15,000 SUS
<b>Flow Rate:</b>	6 or 10 gpm	3 gpm
<b>Housing Size:</b>	18 or 27"	18 or 27"
<b>Configuration:</b>	Dual Housing	Single or Dual Housing
<b>Micron Ratings Available:</b>	20 µm, 10 µm, 5 µm, 3 µm and EWR	20 µm, 10 µm, 5 µm, 3 µm and EWR
<b>Element Type:</b>	GeoSeal®	Standard
<b>Seal:</b>	Viton	BUNA or Viton
<b>Motor:</b>	115 VAC, Single Phase, 1.5 HP	115 VAC, Single Phase, 1.5 HP
<b>Hose and Wands:</b>	10' Hoses and 3' Wands	10' Hoses and 3' Wands

### Results

Regular cleaning of the gear box fluid with a High Viscosity Filter Cart will remove particulate contamination, and free water with use of an absorbing element, and as a result extend the life expectancy of the bearings and gears of the gear box and prevent costly, unscheduled down times.



MFD-MV



MFD-HV

**Schroeder**  
**INDUSTRIES**

Advanced Fluid Conditioning Solutions®

580 West Park Road | Leetsdale, PA 15056  
 ph. 724.318.1100 | fax 724.318.1200

[www.schroederindustries.com](http://www.schroederindustries.com)