

Filter Media Comparison

Swift Filters uses five main media types as the foundation of our product line:

- Cellulose Filter Elements
- Micro-Fiberglass Filter Elements
- Stainless Steel Wire Cloth Filter Elements
- Metal Felt Filter Elements
- Wedge Wire Filter Elements

TYPICAL COST/PERFORMANCE CHARACTERISTICS

Attribute	Cellulose Media	Micro-Fiberglass Media	Stainless Steel Wire Cloth Media	Metal Felt Media
Initial Cost	Low	Moderate	Low to High*	High
Capture Efficiency	Moderate	High	Low to High*	High
Dirt Holding Capacity	Moderate	High	Low to High*	High
Differential Pressure	Low to Moderate	Low to Moderate	Low to High*	Low
Life in a System	High	Low to High*	High	High
Fluid Compatibility	Low	Moderate	High	High
Cleanable	No	No	Yes	Yes

*The performance of stainless-steel elements depends on the mesh size and the fluid system requirements. Contact us for more information.



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CLEANLINESS REQUIRED FOR TYPICAL HYDRAULIC COMPONENTS

Component	ISO code
Servo valves	16/14/11
Proportional valves	17/15/12
Vane and piston pumps and motors	18/16/13
Directional and pressure control valves	18/16/13
Flow control valves and cylinders	20/18/15
New unused fluid	20/18/15

PARTICLE SIZE COMPARISON

ISO 16889 standard vs. ISO 4572 standard.

Bx(c)=1000 (ISO 16889)	2.5	5	7	12	22
Bx=200 (ISO 4572)	<1	3	6	12	25

