

GPT FILTER

Superior Filtration for Cold Start Conditions

<mark>150 psi -</mark> 175 gpm



SCHROEDER INDUSTRIES: GPT FILTER

What makes the GPT the ideal hydraulic filter for cold start conditions?

When a hydraulic machine is shut down and the fluid stops flowing, contaminants will settle loosely onto the filter.

In cold start conditions, when the viscosity of the hydraulic fluid increases, the high differential pressure will force the filter into bypass. Until the machine and fluid warms up, thus lowering the viscosity, the fluid will bypass the filter and enter the hydraulic system directly.

Competitive filters currently available in the market have the bypass located low or within the element. If the system starts in bypass, all of that settled dirt is forced into the system without being filtered, flooding the system with harmful contaminants.



The GPT: No Ordinary Filter

Unlike these other filters, the GPT bypass is located up top, in the diverter cap. **This keeps the contaminants settled in the bottom of the filter from entering the system through the bypass.**

Additionally, the "inside out" flow path reduces the flow velocity in the tank, reducing fluid turbulence and increasing reservoir performance.

For superior bypass protection, the GPT is the clear choice!

Learn more about the GPT and ask the filtration experts at Schroeder Industries if the GPT is right for your application:



SCHROEDER INDUSTRIES: EPT FILTER

Designed with Sustainability In Mind

As part of our Energy Sustainability Initiative, Schroeder Industries is always searching for more sustainable angles in our product designs.

Typical filters discard the diverter cap along with the filter element, but the GPT reduces the amount of waste material in each element change with its signature reusable diverter cap.

The reusable GPT diverter cap is no hindrance to easy element change-outs. Element assembly requires only a few simple steps, and the environmental benefits of the resuable divertercap compound over time.







Reusable Diverter Cap







Broad Applications

The versatile GPT filter is suited for use across a variety of industries, including:

Automotive

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- Agriculture
- Defense
- Forestry
- Marine

Industrial

- Mining Technology Refuse
- Mobile Vehicles and more!
- Oil & Gas
- Railroads

Fluid Compatibility	
Type Fluid:	Appropriate Schroeder Media
High Water Content:	All Z-Media (synthetic)
Invert Emulsions:	10 and 25 micron Z-Media (synthetic)
Water Glycols:	3, 5, 10, and 25 micron Z-Media (synthetic)
Phosphate Esters:	All Z-Media (synthetic) with H (EPR) seal designation

Operating Temperature Range

-20° F to 225° F (-29° C to 107° C)

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Technical Specifications

Element Performance Information					
	Filtration Ratio Per ISO 4572/NFPA T3.10.8.8 Using automated particle counter (APC) calibrated per ISO 4402	Filtration Ratio per ISO 16889 Using APC calibrated per ISO 11171			
Element	ß _x ≥ 75	ß,(c) ≥ 1000			
15TLKZ3	<4.0	4.8			
15TLKZ5	4.8	6.3			
15TLKZ10	8.0	10.0			
15TLKZ25	19.0	24.0			

Pressure Drop Information Based on Flow Rate & Viscosity						
Element	ΔΡ	Housing	ΔΡ			
15TLKZ3	0.09	0 GPM	0			
15TLKZ5	0.08	50 GPM	0.5			
15TLKZ10	0.06	100 GPM	1			
15TLKZ25	0.05	150 GPM	1.5			
		200 GPM	2.0			











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For more information and a complete listing of Schroeder's premium hydraulic filters, visit: <u>schroederindustries.com/hydraulic-and-lube-filters</u> 580 West Park Road | Leetsdale, PA 15056, USA 724.318.1100 phone | 724.318.1200 fax sisales@schroederindustries.com

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