

# Base-Ported Pressure Filter

v. 000023

**GKF30/GKF50**

**GKF30-3000 psi - 210 bar**

**GKF50-5000 psi - 345 bar**

**100/150 gpm - 380/570 L/min**



## Features and Benefits

- Base-ported pressure filter
- Can be installed in vertical or horizontal position
- HF4 Footprint filter with patented Quality Protection Element
- Element changeout from top minimizes oil spillage
- Offered in pipe, SAE straight thread, flanged and ISO 228 porting
- No-Element indicator option available
- Integral inlet and outlet female test points option available
- Offered in conventional subplate porting
- Double and triple stacking of KG-size elements can be replaced by single, KKG, or 27KG-size elements

Model No. of filter in photograph is GKF30/GKF501KGZ10SD.

## Filter Housing Specifications

Flow Rating:	Up to 100 gpm (380 L/min) for 150 SUS (32 cSt) fluids With 2" porting only, up to 150 gpm (570 L/min) for 150 SUS (32 cSt) fluids
Max. Operating Pressure:	GKF30- 3000 psi (210 bar) GKF50- 5000 psi (345 bar)
Min. Yield Pressure:	GKF30- 12,000 psi (830 bar), per NFPA T2.6.1 GKF50- 15,000 psi (1025 bar), per NFPA T2.6.1
Rated Fatigue Pressure:	GKF30- 2500 psi (170 bar), per NFPA T2.6.1-2005 GKF50- 3500 psi (240 bar), per NFPA T2.6.1-2005
Temp. Range:	-20°F to 225°F (-29°C to 107°C)
Bypass Setting:	Cracking: 40 psi (2.8 bar) Full Flow: 61 psi (4.2 bar)
Porting Base & Cap: Element Case:	Ductile Iron Steel
Weight of GKF30-1KG: Weight of GKF30-2KG: Weight of GKF30-3KG: Weight of GKF50-1KG: Weight of GKF50-2KG: Weight of GKF50-3KG:	48 lbs. (22 kg) 65 lbs. (30 kg) 81 lbs. (37 kg) 59.7 lbs. (27.1 kg) 80.7 lbs. (36.6 kg) 102.0 lbs. (46.3 kg)
Element Change Clearance:	8.50" (215 mm) for 1KG; 17.50" (445 mm) for KKG; 26.5" (673 mm) for 27KG

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**GKF30/GKF50**

## How to Build a Valid Model Number for a Schroeder GKF30/GKF50:

**GKF30/GKF50**

Bowl Length	Element	Porting/Test Points	Indicator	Options

Bowl Length	
	<b>1</b> = 9"/18"/27" Bowl with one (1) element <b>2</b> = 18" Bowl with two (2) 9" elements <b>3</b> = 27" Bowl with three (3) 9" elements

Element	Element	Media	Micron Rating	Seals
Note: Element code can also be used to build a replacement element.	<b>KG</b> (9", 18", or 27" Bowl) <b>KKG</b> (18" Bowl) <b>27KG</b> (27" Bowl)	<b>Z</b> = Excellence Z-Media (synthetic)  Note: Other media is available upon request.	<b>1</b> = 1 Micron <b>3</b> = 3 Micron <b>5</b> = 5 Micron <b>10</b> = 10 Micron <b>25</b> = 25 Micron	<b>Omit</b> = Buna <b>V</b> = Viton

Porting/Test Points	Porting	Bypass	Test Points
	<b>P</b> = 1-1/2" NPTF <b>P32</b> = 2" NPTF <b>S</b> = SAE-24 <b>F</b> = 1-1/2" SAE 4-bolt flange (KF30 Code 61)(KF50 Code 62) <b>F32</b> = 2" SAE 4-bolt flange Code 61(KF30) *KF30 Only <b>O</b> = Subplate <b>B24</b> = ISO 228 G-1-1/2	<b>Omit</b> = 40 PSI <b>50</b> = 50 PSI <b>60</b> = 60 PSI	<b>Omit</b> = None <b>L</b> = Two 1/4" NPTF female test ports <b>U</b> = Series 1215 7/6 UNF Test Point <b>UU</b> = Series 1215 7/16 UNF Test Point

Indicator <sup>1</sup>				
Electrical Indicator	Indicator Material	Voltage	Current	Thermal Lockout
<b>Omit</b> = None <b>MS5</b> = 12" 4 Conductor Cable <b>MS10</b> = Male DIN Connector <b>MS11</b> = 12 ft 4 Conductor Cable <b>MS12</b> = Male 5 Pin Brad Harrison Connector <b>MS13</b> = Threaded Connector and Light <b>MS14</b> = Male 5 Pin Brad Harrison Connector & Light <b>MS16</b> = 3 Contact Weather Packed, DIN 43650 <b>MS17</b> = Male Micro 4 Pin Brad Harrison Connector <b>MS18</b> = 2 Pin Amp Junior Power Timer Connector <b>MS19</b> = 2 Pin Deutsch Connector	<b>Omit</b> = Steel          <b>SS</b> = Stainless Steel	AC = Alternating Current          DC = Direct Current	Omit = Standard          LC = Low Current	Omit = None          T (available on select models reference specifications in Appendix A)

**MS** = Cam Operated Switch with 1/2" Conduit, Female Connection

**MS15DC** = 3000 PSI max #8-32 Post for Wire Connection

### Visual Indicator

- D** = Pointer
- D5** = Latching Visual Pop-Up
- D8** = Visual with Thermal Lockout
- D9** = Stainless Steel Latching Pop-Up Indicator
- D10** = Non-Latching Indicator
- D10SS** = Stainless Steel Non-Latching Indicator
- D13** = Stainless Steel Latching Indicator with Music Wire Spring

Options	
	<b>Omit</b> = None <b>C</b> = Indicator in cap <b>G509</b> = Dirt alarm opposite std <b>G588</b> = Electric Switch and drain opposite standard

1. Starting from the left you will choose your Indicator Type (visual or electrical), if it's visual you will use the visual column and that will complete this box. If it's electrical you will populate the column under "MS = Electrical." If no indicator is required you will omit the whole section and move onto the next section