Tank-Mounted Filter

GPT

Features and Benefits

- Filter bypass in cap vs base, cleaner cold start
- Patent Pending In-Tank Design
- Lock & Key Quality Protected

Si Part of Schroeder Industries'
Energy Sustainability Initiative

Model No. of filter in
photograph is
GPT15DCLKZ25DF32S24

Filter Housing Specifications
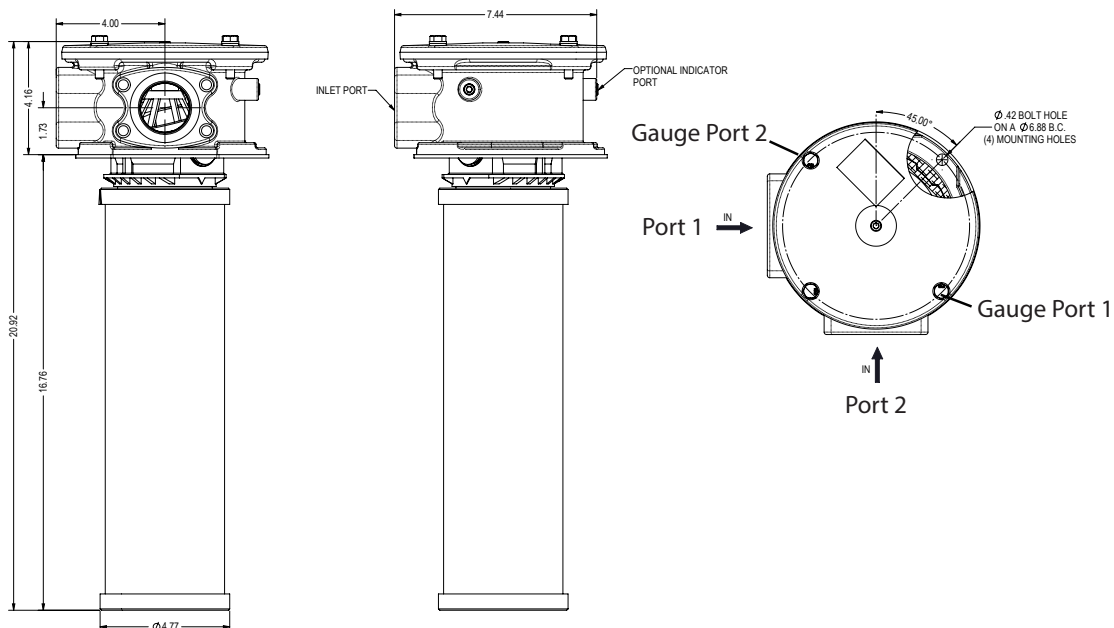
Flow Rating:	Up to 175 GPM (662 L/min) FOR 150 SUS (32 cSt) Fluids
Max. Operating Pressure:	150 PSI (10.3 bar)
Min. Yield Pressure:	Consult Factory
Rated Fatigue Pressure:	89 psi (6 bar)
Temp. Range:	-20 F to 225 F (-29 C to 107 C)
Bypass Setting:	Cracking: 35 PSI (2.4 bar)
Ported Head and Cap:	Die Cast Aluminum
Weight:	7 LBS. (3.18 kg)
Element Change Clearance:	20.0" (508 mm)

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

Element Performance Information

Element	Filtration Ratio Per ISO 4572/NFPA T3.10.8.8 Using automated particle counter (APC) calibrated per ISO 4402 $\beta_x \geq 75$	Filtration Ratio per ISO 16889 Using APC calibrated per ISO 11171 $\beta_x(c) \geq 1000$
15TLKZ3	<4.0	4.8
15TLKZ5	4.8	6.3
15TLKZ10	8.0	10.0
15TLKZ25	19.0	24.0

4.00

4.16

1.73

20.92

16.76

Ø4.77

7.44

INLET PORT

OPTIONAL INDICATOR PORT

45.00°

Ø .42 BOLT HOLE
ON A Ø 6.88 B.C.
(4) MOUNTING HOLES

Gauge Port 2

Port 1   IN

Gauge Port 1

IN

Port 2

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Pressure Drop Information — Based on Flow Rate & Viscosity

Element	ΔP	Housing	ΔP
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

Element Dirt Holding Capacity

Element	DHC (gm)
15TLKZ3	234
15TLKZ5	259
15TLKZ10	231
15TLKZ25	312

Element Pressure Drop versus Flow Rate at 32 cSt (150 SUS)

Housing Pressure Drop versus Flow Rate at 32 cSt (150 SUS)
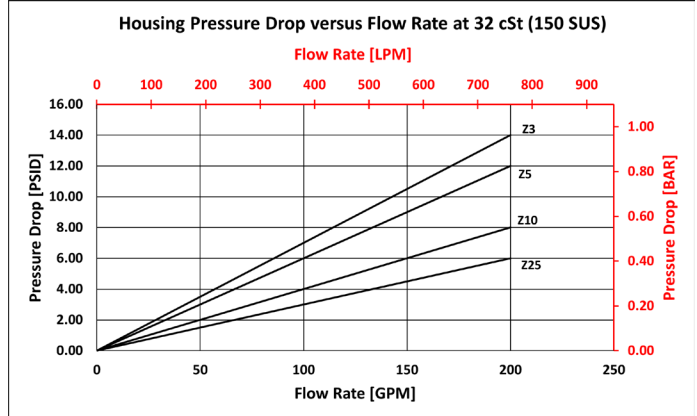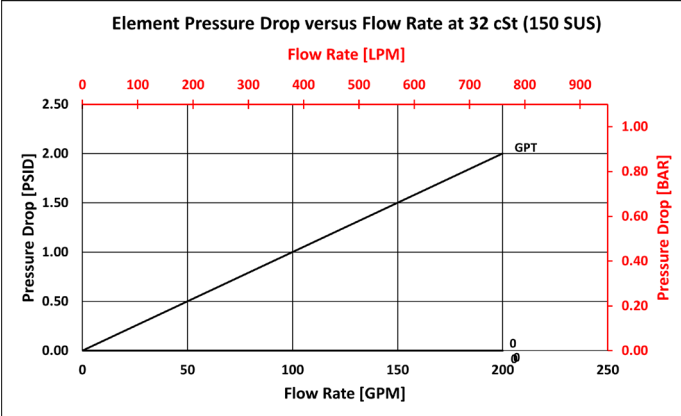
How to Build a Valid Model Number for a Schroeder GPT:

GPT [Element] – [Porting] – [Indicator]

Element	Element	Media	Micron Rating	Seals
Note: Element code can also be used to build a replacement element.	**15DCLK =** 15" Element	**Z =** Excellement Z-Media (synthetic) Note: Other media is available upon request.	**3 =** 3 Micron **5 =** 5 Micron **10 =** 10 Micron **25 =** 25 Micron	**Omit =** Buna **V =** Viton **H =** EPR

Porting	Porting	Block Port Options	Bypass
	DF32S24	**Omit =** None **N1 =** Block Port 1 **N2 =** Block Port 2	**Omit =** 35 PSI Cracking

Indicator		Indicator Location
	Omit = None **Y2 =** Tricolor Visual Indicator (Back Mounted) **Y2C=** Tricolor Visual Indicator (Bottom Mounted) **ES5 =** Electric Switch with 3-Pin Deutsch Connector	**Omit =** No Indicator **P1 =** Gauge Port 1 **P2 =** Gauge Port 2

The 15DCLK element assembly is made up of the GPT diverter cap and the 15TLK element.

A list of model code pairings is shown below:

15DCLKZ10,ELEMENT = DIVERTER, ASSY, GPT, BUNA + 15TLKZ10, ELEMENT
15DCLKZ25,ELEMENT = DIVERTER, ASSY, GPT, BUNA + 15TLKZ25, ELEMENT
15DCLKZ3,ELEMENT = DIVERTER, ASSY, GPT, BUNA + 15TLKZ3, ELEMENT
15DCLKZ5,ELEMENT = DIVERTER, ASSY, GPT, BUNA + 15TLKZ5, ELEMENT

15DCLKZ10   GPT Diverter   15TLKZ10