In-Line Filter LC35

15 gpm
57 L/min
3500 psi
241 bar

Features and Benefits (LC35)

- Compact design allows for in-line installation.
- Small profile allows filter to be mounted in tight areas.
- Quick and easy cartridge element change outs.
- Durable, compact design.
- Uses 10 or 40 micron Sintered Bronze filtration.
- Perfect for pilot pressure circuits and pressure compensated pump protection.

Model No. of filter in photograph is LC351BS10S.
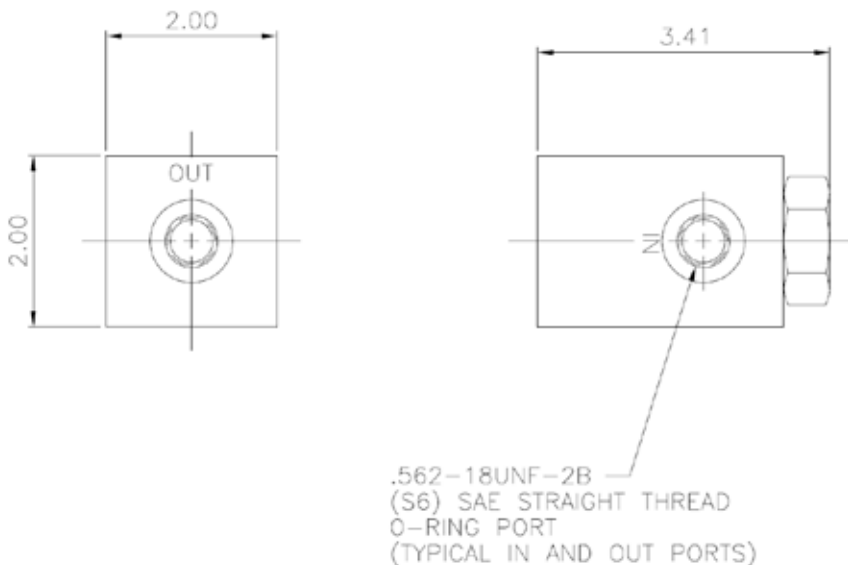
Filter Housing Specifications

Flow Rating:	Up to 15 gpm (57 L/min) for 150 SUS (32 cSt) fluids
Max. Operating Pressure:	3500 psi (241 bar)
Min. Yield Pressure:	10500 psi (724 bar), per NFPA T2.6.1
Rated Fatigue Pressure:	2200 psi (152 bar), per NFPA T2.6.1
Temp. Range:	-20°F to 225°F (-29°C to 107°C)
Porting Head: Element Case:	Aluminum Aluminum
Weight:	1.32 lbs. (0.60 kg)
Element Change Clearance:	3.25" (82.6 mm)

Fluid Compatibility

Type Fluid	Appropriate Schroeder Media
Petroleum Based Fluids	All Sintered Bronze
Invert Emulsions	10 and 40 μ Sintered Bronze
Water Glycols	10 and 40 μ Sintered Bronze

2.00

2.00

OUT

3.41

IN

.562-18UNF-2B
(S6) SAE STRAIGHT THREAD
O-RING PORT
(TYPICAL IN AND OUT PORTS)

Metric dimensions in ( ).
Dimensions shown are inches (millimeters) for general information and overall envelope size only.
For complete dimensions please contact Schroeder Industries to request a certified print.
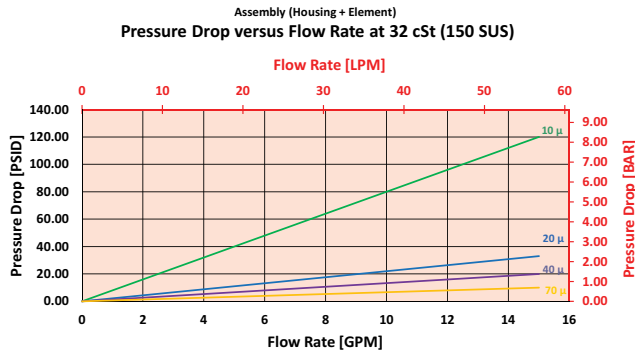
LC35 In-Line Filter

Element Performance Information & Dirt Holding Capacity

	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	$ß_x \geq 75$	$ß_x \geq 100$	$ß_x \geq 200$	$ß_x(c) \geq 200$	$ß_x(c) \geq 1000$

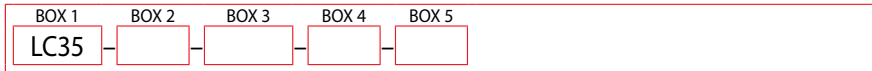### *Please contact manufacturer for more details*

Pressure Drop Information
Based on Flow Rate and Viscosity

$\Delta P_{housing}$

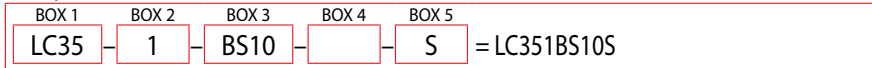LC35 $\Delta P_{housing}$ for fluids with sp gr (specific gravity) = 0.86:

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

Filter Model Number Selection

How to Build a Valid Model Number for a Schroeder LC35:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
LC35				

Example:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
LC35	1	BS10		S	= LC351BS10S

BOX 1

Filter Series
LC35

BOX 2

Number of Elements
1

BOX 3

Element Part Number
BS10 = 10 µ Sintered Bronze
BS20 = 20 µ Sintered Bronze
BS40 = 40 µ Sintered Bronze
BS70 = 70 µ Sintered Bronze

BOX 4

Seal Material
Omit = Buna N

BOX 5

Porting
S = SAE-6