



Features and Benefits

- Compact design allows for in-line installation on hose reels
- High quality synthetic ZX-Media high collapse elements ensure all fluid is filtered
- Available with SAE or NPT threading
- Convenient 2 1/4" Hex for easy service

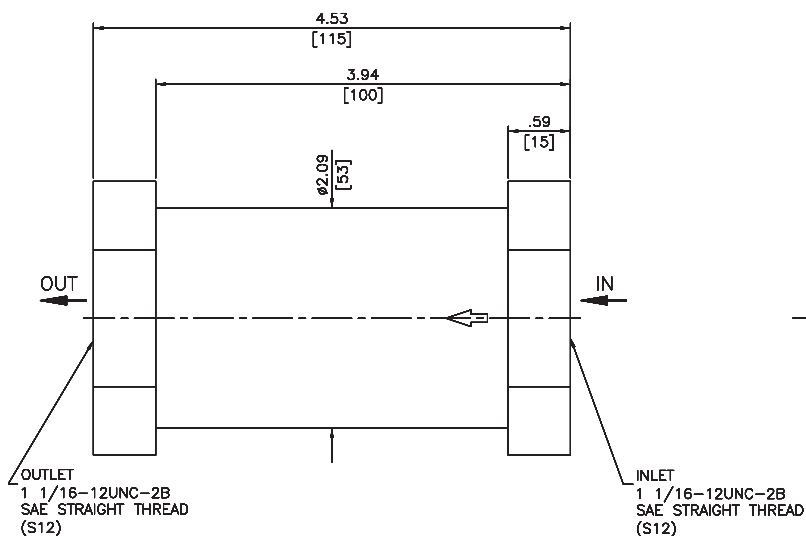
Model No. of filter in photograph is LC501LZX10S.

Flow Rating:	Up to 9 gpm (35 L/min) for 150 SUS (32 cSt) fluids
Max. Operating Pressure:	5000 psi (350 bar)
Min. Yield Pressure:	15,000 psi (1050 bar)
Rated Fatigue Pressure:	5000 psi (350 bar), per NFPA T2.6.1-R1-2005
Temp. Range:	-20°F to 225°F (-29°C to 107°C)
Body and Cap:	Steel
Element Case:	Steel
Weight of LC50:	3.63 lbs. (1.65 kg)
Element Change Clearance:	3.25" (83 mm)

Filter Housing Specifications

Type Fluid	Appropriate Schroeder Media
Petroleum Based Fluids	All Z-Media® (synthetic)
High Water Content	All Z-Media® (synthetic)
Invert Emulsions	10 and 25 μ Z-Media® (synthetic)
Water Glycols	10 and 25 μ Z-Media® (synthetic)

Fluid Compatibility



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.

9 gpm
35 L/min
5000 psi
345 bar

NF30

NFS30

YF30

CFX30

PLD

CF40

DF40

PF40

RFS50

RF60

CF60

CTF60

VF60

LW60

KF30

KF50

TF50

KC50

MKF50

MKC50

KC65

HS60

MHS60

KFH50

LC60

LC35

LC50

NOF30-05

NOF-50-760

FOF60-03

NMF30

RMF60

14-CRZX10

20-CRZX10

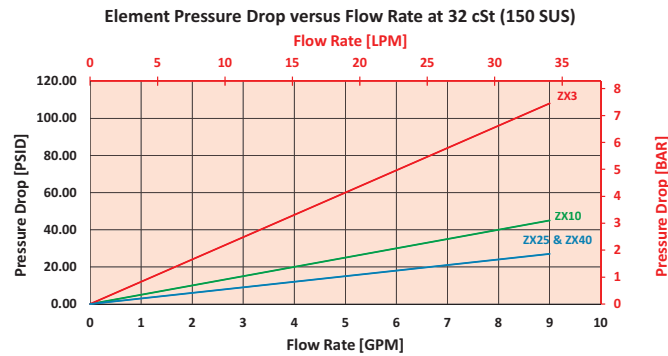
Element Performance Information & Dirt Holding Capacity

Filtration Ratio per ISO 16889 Using APC calibrated per ISO 11171			
Element		$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
LZX3		<4.0	4.8
LZX10		8.0	10.0
LZX25		19.0	24.0

Element	DHC (gm)	Element	DHC (gm)
LZX3	1.1	LZX25	1.0
LZX10	1.0	LZX40	0.9

Pressure Drop Information Based on Flow Rate and Viscosity

Element Collapse Rating: 3000 psi (207 bar)
 Flow Direction: Outside In
 Element Nominal Dimensions: 1.4" (43 mm) O.D. x 1.7" (35 mm) long
 $\Delta P_{\text{housing}}$
 LC50 $\Delta P_{\text{housing}}$ for fluids with sp gr (specific gravity) = 0.86:



Filter Model Number Selection

How to Build a Valid Model Number for a Schroeder LC50:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	
LC50					

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	
LC50	1	LZX10		S	= LC501LZX10S

BOX 1	BOX 2	BOX 3	BOX 4
Filter Series	Number of Elements	Element Part Number	Seal Material
LC50 (non-bypassing only)	1	LZX3 = 3 μ Excellement® Z-Media® (high collapse center tube) LZX10 = 10 μ Excellement® Z-Media® (high collapse center tube) LZX25 = 25 μ Excellement® Z-Media® (high collapse center tube) LZX40 = 40 μ Excellement® Z-Media® (high collapse center tube)	Omit = Buna N V = Viton®
BOX 5			
Porting			
S = SAE-12 P = 3/4" NPT			