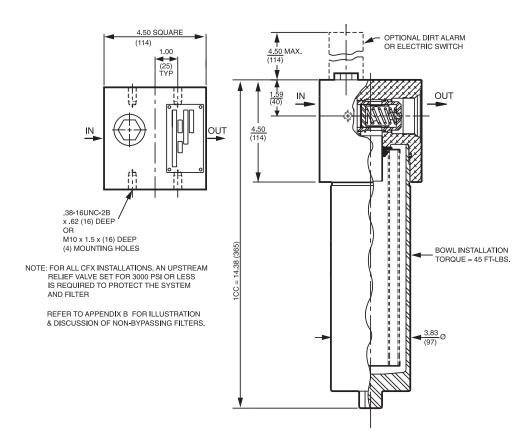
## Non-Bypassing Pressure Filter **CFX30**

Model No. of filter in photograph is CFX3	<ul> <li>Features and Benefits</li> <li>Top-ported non-bypassing pressure filter</li> <li>Unique valve eliminates need for high collapse elements</li> <li>Offered in pipe, SAE straight thread and ISO 228 porting</li> <li>Integral inlet and outlet female test points option available</li> </ul>	30 gpm <u>115 L/min</u> 3000 psi 210 bar	NF30 NF530 YF30 CFX30 PLD DF40 CF40 RF550 RF60 CF60
Model No. of filter in photograph is crive		-	CTF60 VF60
		Applications	LW60
	MACHINE MOBILE		KF30
MANUFACTURING	TOOL VEHICLES		<b>TF50</b>
			KF50
			KC50
			MKF50
			KC65
		NC	)F30-05
		NOF	50-760
		FC	)F60-03
			NMF30
Flow Rating:	Up to 30 gpm (115 L/min) for 150 SUS (32 cSt) fluids	Filter	
Max. Operating Pressure:	3000 psi (210 bar)	Housing	RMF60
Min. Yield Pressure:	12,000 psi (828 bar), per NFPA T2.6.1	Specifications	rtridge
Rated Fatigue Pressure:	1800 psi (125 bar), per NFPA T2.6.1-2005		ements
Temp. Range:	-20°F to 225°F (-29°C to 107°C) Non-Bypassing		
Bypass Setting: Porting Head:	Non-вуразsing Aluminum		HS60
Element Case:	Steel		MHS60
Weight of CFX30-1CC:	19.5 lbs. (8.9 kg) 4.00" (100 mm)		
Element Change Clearance:			KFH50



## **CFX30** Non-Bypassing Pressure Filter



Metric dimensions in ( ).

54 SCHROEDER INDUSTRIES

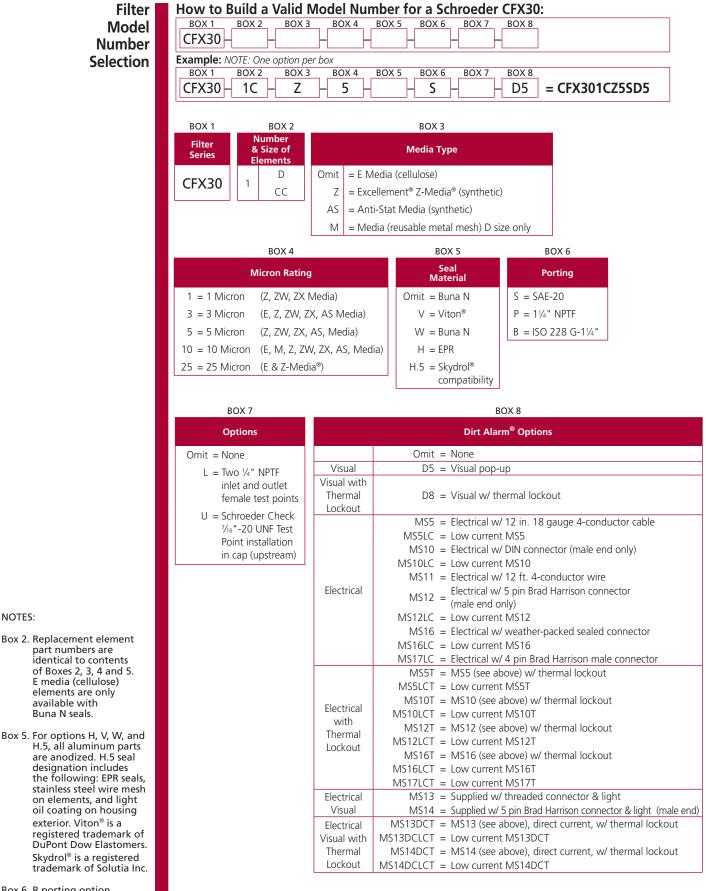
Element Performance Information		4	Itration Ratio Per I 1572/NFPA T3.10.8 article counter (APC) cal	Filtration Ratio wrt ISO 16889 Using APC calibrated per ISO 11171		
	Element	$\beta_x \ge 75$	$\beta_x \ge 100$	$\beta_x \ge 200$	$\beta_x(c) \ge 200$	$\beta_x(c) \geq 1000$
	CC3	6.8	7.5	10.0	N/A	N/A
	CC10	15.5	16.2	18.0	N/A	N/A
	CCZ1	<1.0	<1.0	<1.0	<4.0	4.2
	CCZ3/CAS3/CCAS3	<1.0	<1.0	<2.0	<4.0	4.8
	CCZ5/CAS5/CCAS5	2.5	3.0	4.0	4.8	6.3
	CCZ10/CAS10/CCAS10	7.4	8.2	10.0	8.0	10.0
	CCZ25	18.0	20.0	22.5	19.0	24.0

Dirt Holding	Element	DHC (gm)		
Capacity	CC3	30		
	CC10	25		
	CCZ1	57		
	CCZ3/CAS3/CCAS3	58		
	CCZ5/CAS5/CCAS5	63		
	CCZ10/CAS10/CCAS10	62		
	CCZ25	63		
	Element Collapse Rating: 1	50 psid (10 bar) for standard elements		
	Flow Direction: Outside In			
	Element Nominal C Dimensions:	C: 3.0" (75 mm) O.D. x 9.5" (240 mm) long		

## Non-Bypassing Pressure Filter **CFX30**

	1	Type Fluid	Appropriate Sch	roeder Media			Fluid	NF30
Pet	roleum Ba	sed Fluids	All E Media (cellulo	se), Z-Media <sup>®</sup> and ASP Media (	synthetic)		Compatibility	NFS30
I	High Wate	r Content	All Z-Media <sup>®</sup> and A	SP Media (synthetic)				111 000
	Invert	Emulsions	10 and 25 µ Z-Mec	lia <sup>®</sup> (synthetic), 10 μ ASP Media	a (synthetic)			YF30
	Wat	er Glycols	3, 5, 10 and 25 µ Z	-Media (synthetic), 3, 5 and 10	) µ ASP Media	(synthetic)		CEV/20
	Phosph	ate Esters	All Z-Media <sup>®</sup> and A	SP Media (synthetic) with H (EF	PR) seal designa	ation		CFX30
		Skydrol®		2-Media <sup>®</sup> (synthetic) with H.5 se mesh in element, and light oil o			Skydrol <sup>®</sup> is a registered trademark of Solutia Inc	PLD
Pressure	Elei Series	ment Part No.		ns are predicated on the us fluid. Non bypass with sta			Element Selection	DF40
		CC3	<u> </u>	1CC3		See CFN or KFX	Based on Flow Rate	<b>CF40</b>
	E Media	CC10		1CC10	I		FIOW Rate	PF40
	Ivicula	CC25		1CC25				
To 3000 psi		CCZ1		1CCZ1	Se	ee CFN or KFX		RFS50
(210 bar)	7	CCZ3		1CCZ3				DECO
	Z- Media®	CCZ5		1CCZ5				<b>RF60</b>
		CCZ10		1CCZ10				<b>CF60</b>
		CCZ25		1CCZ25				CIUU
	Flow	51	0 5		20 25			CTF60
Shown abov	ve are the e	(=)	o 25 ost commonly used ir	50 75		100 115		VF60
				h Water Content, Invert Emu Ipatibility: Fire Resistant Fluid				LW60
∆P <sub>housing</sub>				$\Delta \mathbf{P}_{element}$			Pressure	KF30
CFX30 ΔP <sub>hot</sub>	using for fluid	ds with sp gr	= 0.86:	$\Delta P_{element} = flow x element$	nt ∆P factor x v	viscosity factor	Drop	
not	5			El. ΔP factors @ 150 SUS	(32 cSt):		Information	<b>TF50</b>
16		ow (L/min) (50) (75)	(100)		1CC		Based on Flow Rate	VEED
14		<u></u>	(1.00)	CC3	.22		and Viscosity	KF50
12		Ś.	(0.75)	CC10 CC25	.13 .03		-	
isd 10 d⊽ 8			(0.50) (Dat			_		KC50
6			(0.50)	CCZ1	.35			KC50
4				CCZ3/CAS3/CCAS3				KC50 MKF50
2		LEEN E	(0.25)	CCZ3/CAS3/CCAS3 CCZ5/CAS5/CCAS5	.35 .20 .19			MKF50
			(0.25)	CCZ3/CAS3/CCAS3 CCZ5/CAS5/CCAS5 CCZ10/CAS10/CCAS10	.35 .20 .19 .10			
2 0 0		15 20 low gpm		CCZ3/CAS3/CCAS3 CCZ5/CAS5/CCAS5 CCZ10/CAS10/CCAS10 CCZ25 If working in units of ba factor by 54.9.	.35 .20 .19 .10 .05 ars & L/min, di		NC	MKF50
sp gr = spec	F ific gravity	low gpm	25 30	CCZ3/CAS3/CCAS3 CCZ5/CAS5/CCAS5 CCZ10/CAS10/CCAS10 CCZ25 If working in units of ba factor by 54.9. Viscosity factor: Divide	.35 .20 .19 .10 .05 ars & L/min, di viscosity by 1	50 SUS (32 cSt).		MKF50 KC65
Sizing of ele	F ific gravity	low gpm	25 30	CCZ3/CAS3/CCAS3 CCZ5/CAS5/CCAS5 CCZ10/CAS10/CCAS10 CCZ25 If working in units of ba factor by 54.9.	.35 .20 .19 ) .10 .05 ars & L/min, di viscosity by 1! Element Selec	50 SUS (32 cSt).	NO	MKF50 KC65 DF30-05
	F ific gravity	low gpm	25 30	$\frac{CCZ3/CAS3/CCAS3}{CCZ5/CAS5/CCAS5}$ $\frac{CCZ5/CAS5/CCAS5}{CCZ10/CAS10/CCAS10}$ $\frac{CCZ25}{CCZ25}$ If working in units of bactering the second structure of the second structur	35 20 19 )10 05 ars & L/min, di viscosity by 1! Element Selec • <b>ΔP</b> element • labeled "Ele	50 SUS (32 cSt). tion chart above. ement Sizing"	NO	MKF50 KC65 DF30-05 F50-760
Sizing of ele	F ific gravity	low gpm	25 30	CCZ3/CAS3/CCAS3 CCZ5/CAS5/CCAS5 CCZ10/CAS10/CCAS10 CCZ25 If working in units of ba factor by 54.9. Viscosity factor: Divide Information provided in the B ΔPfilter = $\Delta P_{housing}$ + The $\Delta P$ housing curve is the pressure drop b outlet areas of the filt should be used for filt	.35 .20 .19 .05 ars & L/min, di viscosity by 1! Element Select • <b>AP</b> element e labeled "Ele vetween the in cer's bypass va ter sizing. Alt	50 SUS (32 cSt). ttion chart above. ement Sizing" nlet and alve and though	NO	MKF50 KC65 DF30-05 F50-760 DF60-03
Sizing of ele	F ific gravity	low gpm	25 30	$\frac{CCZ3/CAS3/CCAS3}{CCZ5/CAS5/CCAS5}$ $\frac{CCZ5/CAS5/CCAS5}{CCZ10/CAS10/CCAS10}$ $\frac{CCZ25}{CCZ25}$ If working in units of bactor by 54.9. <i>Viscosity factor:</i> Divide the formation provided in the forma	.35 .20 .19 .05 ars & L/min, di viscosity by 1! Element Select • <b>AP</b> element e labeled "Ele vetween the in cer's bypass va ter sizing. Alt ot a factor in	50 SUS (32 cSt). Ition chart above. Itement Sizing" nlet and alve and though the lement	NOI FC	MKF50 KC65 DF30-05 F50-760 DF60-03 NMF30
Sizing of ele	F ific gravity	low gpm	25 30	CCZ3/CAS3/CCAS3 CCZ5/CAS5/CCAS5 CCZ10/CAS10/CCAS10 CCZ25 If working in units of ba factor by 54.9. Viscosity factor: Divide Information provided in the B ΔP <sub>filter</sub> = $\Delta P_{housing}$ + The $\Delta P$ housing curve is the pressure drop b outlet areas of the filt should be used for filt "Port to Port" $\Delta P$ is n Selection, it should be	.35 .20 .19 .05 ars & L/min, di viscosity by 1! Element Select • <b>AP</b> element e labeled "Ele vetween the in cer's bypass va ter sizing. Alt ot a factor in	50 SUS (32 cSt). Ition chart above. Itement Sizing" nlet and alve and though the lement	NOI FC	MKF50 KC65 DF30-05 F50-760 DF60-03 NMF30 RMF60 artridge
Sizing of ele	F ific gravity	low gpm	25 30	CCZ3/CAS3/CCAS3 CCZ5/CAS5/CCAS5 CCZ10/CAS10/CCAS10 CCZ25 If working in units of ba factor by 54.9. Viscosity factor: Divide Information provided in the B ΔP <sub>filter</sub> = $\Delta P_{housing}$ + The $\Delta P$ housing curve is the pressure drop b outlet areas of the filt should be used for filt "Port to Port" $\Delta P$ is n Selection, it should be	.35 .20 .19 .05 ars & L/min, di viscosity by 1! Element Select • <b>AP</b> element e labeled "Ele vetween the in cer's bypass va ter sizing. Alt ot a factor in	50 SUS (32 cSt). Ition chart above. Itement Sizing" nlet and alve and though the lement	NOI FC Ca El	MKF50 KC65 DF30-05 F50-760 DF60-03 NMF30 RMF60 artridge ements
Sizing of ele	F ific gravity	low gpm	25 30	CCZ3/CAS3/CCAS3 CCZ5/CAS5/CCAS5 CCZ10/CAS10/CCAS10 CCZ25 If working in units of ba factor by 54.9. Viscosity factor: Divide Information provided in the B ΔP <sub>filter</sub> = $\Delta P_{housing}$ + The $\Delta P$ housing curve is the pressure drop b outlet areas of the filt should be used for filt "Port to Port" $\Delta P$ is n Selection, it should be	.35 .20 .19 .05 ars & L/min, di viscosity by 1! Element Select • <b>AP</b> element e labeled "Ele vetween the in cer's bypass va ter sizing. Alt ot a factor in	50 SUS (32 cSt). Ition chart above. Itement Sizing" nlet and alve and though the lement	NOI FC Ca El	MKF50 KC65 DF30-05 F50-760 DF60-03 NMF30 RMF60 artridge ements HS60

## **FX30** Non-Bypassing Pressure Filter



Box 6. B porting option supplied with metric mounting holes.

NOTES: