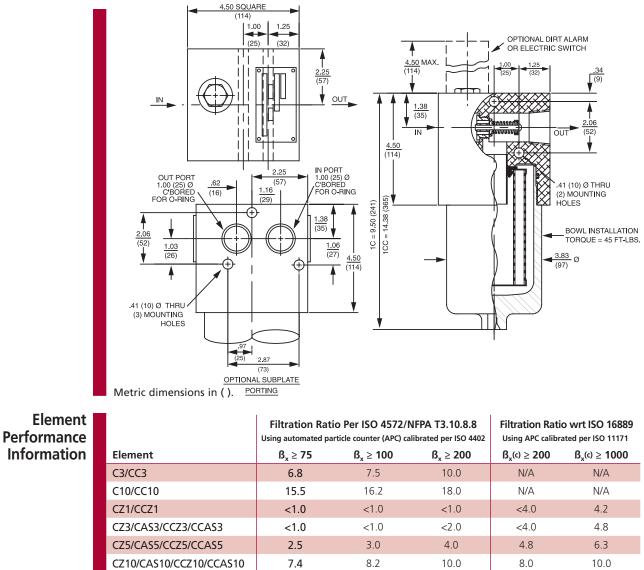
SAME DAY SHIPMENT MODEL AVAILABLE!

Top-Ported Pressure Filter **DF40**

Kodel No. of filter in photograph is	 Features and Benefits Top-ported pressure filter Available with non-bypass option with high collapse element Offered in conventional subplate porting Offered in pipe, SAE straight thread and ISO 228 porting Same day shipment model available No-Element indicator option available 	30 gpm 115 L/min 4000 psi 275 bar NF30 4000 psi 275 bar YF30 CFX30 PLD DF40 CF40 PF40 RF550 RF60 CF60 CF60 CTF60
Nodel No. of filter in photograph isIndustrial<		Applications VF60 LW60 KF30 KF30 TF50 KF50 KC50 MKF50 KC65 NOF30-05 NOF50-760
Max. Operating Pressure: Min. Yield Pressure: Rated Fatigue Pressure: Temp. Range: Bypass Setting: Porting Head: Element Case: Weight of DF40-1C: Weight of DF40-1CC:	12,000 psi (828 bar), per NFPA T2.6.1 1800 psi (125 bar), per NFPA T2.6.1-2005 -20°F to 225°F (-29°C to 107°C) Cracking: 40 psi (2.8 bar) Full Flow: 57 psi (3.9 bar) Non-bypassing model has a blocked bypass. Aluminum Steel 14.0 lbs. (6.4 kg) 19.5 lbs. (8.9 kg)	Filter Housing SpecificationsFOF60-03 NMF30RMF60RMF60Cartridge ElementsHS60MHS60
Element Change Clearance:	4.0" (100 mm)	КҒН50



DF40 Top-Ported Pressure Filter SAME DAY SHIPMENT MODEL AVAILABLE!



Information

Information	Element	B _x ≥ 75	$B_x \ge 100$	$B_x \ge 200$	$B_x(c) \ge 200$	$B_x(c) \ge 1000$	
	C3/CC3	6.8	7.5	10.0	N/A	N/A	
	C10/CC10	15.5	16.2	18.0	N/A	N/A	
	CZ1/CCZ1	<1.0	<1.0	<1.0	<4.0	4.2	
	CZ3/CAS3/CCZ3/CCAS3	<1.0	<1.0	<2.0	<4.0	4.8	
	CZ5/CAS5/CCZ5/CCAS5	2.5	3.0	4.0	4.8	6.3	
	CZ10/CAS10/CCZ10/CCAS10	7.4	8.2	10.0	8.0	10.0	
	CZ25/CCZ25	18.0	20.0	22.5	19.0	24.0	
	CCZX3	<1.0	<1.0	<2.0	4.7	5.8	
	CCZX10	7.4	8.2	10.0	8.0	9.8	
Black I I a Lallar at							
Dirt Holding	Element	DHC (gm)	Elemen	t	DHC (gm)		
Capacity	Element C3	DHC (gm) 14	Elemen CC3	t	DHC (gm) 30		
				t			
	C3	14	CC3	t	30		
	C3 C10	14 12	CC3 CC10		30 25		
	C3 C10 CZ1	14 12 25	CC3 CC10 CCZ1	CAS3	30 25 57		
	C3 C10 CZ1 CZ3/CAS3	14 12 25 26	CC3 CC10 CCZ1 CCZ3/CC	CAS3 CAS5	30 25 57 58		
	C3 C10 CZ1 CZ3/CAS3 CZ5/CAS5	14 12 25 26 30	CC3 CC10 CC21 CC23/CC CC25/CC	CAS3 CAS5	30 25 57 58 63		
	C3 C10 CZ1 CZ3/CAS3 CZ5/CAS5 CZ10/CAS10	14 12 25 26 30 28	 CC3 CC10 CC21 CC23/C0 CC25/C0 CC210/C0 	CAS3 CAS5	30 25 57 58 63 62		
	C3 C10 CZ1 CZ3/CAS3 CZ5/CAS5 CZ10/CAS10	14 12 25 26 30 28	CC3 CC10 CC21 CC23/CC CC25/CC CC210/C CC225	CAS3 CAS5 CCAS10	30 25 57 58 63 62 63		

Element Collapse Rating:

Flow Direction: **Element Nominal Dimensions:** Sased on 100 psi

150 psid (10 bar) for standard elements terminal pressure 3000 psid (210 bar) for high collapse (ZX) versions

Outside In

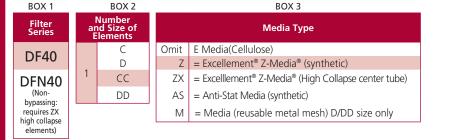
C:C 3.0" (75 mm) O.D. x 4.75" (120 mm) long CC: 3.0" (75 mm) O.D. x 9.5" (240 mm) long

SAME DAY SHIPMENT MODEL AVAILABLE! Top-Ported Pressure Filter DF40

	Тур	e Fluid	Approp	riate Schroed	er Media					Fluid	NF30
Petrole	Petroleum Based Fluids All E Media (cellulose			dia (cellulose), Z	Media [®] and AS	SP Media (synthetic)			Compatibility	NFS30
Hig	5			dia [®] and ASP M	ia® and ASP Media (synthetic)						111 550
				25 μ Z-Media [®] (s	ynthetic), 10 µ .	ASP Media	a (synthetic)				YF30
	Water			and 25 µ Z-Med	., ,		. ,	,			CEVOO
	Phosphate			dia [®] and ASP M				•			CFX30
	Sk	≪ydrol®	designat					thetic) with H.5 it, and light oil c		Skydrol [®] is a registere trademark of Solutia	lnc.
	E	lement		Element colo	tions are pro	dicated	on the use	of 150 SUS (2	2 (5+)	Element	DF40
Pressure			No.	Element selections are predicated on the use of 150 SUS (32 cSt petroleum based fluid and a 40 psi (2.8 bar) bypass valve.				2 (3()	Selection Based on	CF4 0	
	_	C3 & C0	23		1C3					Flow Rate	
	E Media	C10 & 0	CC10		1C10			1CC10			PF40
T .		C25 & 0				1C25					RFS50
To 4000 psi		CZ1 & (1CZ			100				KF33U
(275 bar)	Z-	CZ3 & C			1CZ3	C75 0 44		1CCZ3			RF60
	Media®	CZ5 & C				CZ5 & 10 Z10 & 10					
		CZ10 &				Z10 & 10 Z25 & 10					CF60
		gpm) 1		15	20	25	30		CTF60
	Flow	(L/min)	() 25	50		75	100	115		
Shown abov	e are the e	lements r	nost com	monly used in t	his housing.						VF60
				Media in High V to Fluid Comp				d Water Glycol s 19 and 20			LW60
ΔP _{housing}			,		ΔP _{element}		iaias, page	5 15 4114 201	- 1	Pressure	KEDO
DF40 ∆P _{hous}	ing for fluid	s with sp	gr = 0.86	:		flow x ele	ement ∆P fa	actor x viscosity	factor	Drop	KF30
	-				El. ∆P facto	rs @ 150	SUS (32 cSt	t):		Information Based on	TF50
12	Flow (25) (50	r (L/min)) (75)	(100)		C3	<u>1C</u> .50	co	.3	.22	Flow Rate	KEEO
12				0.75)	C10	.19		10	.13	and Viscosity	KF50
8					C25 CZ1	.09 .70		25 Z1	.03 .35		KC50
o P psi	++			0.50) (bar)	CZ3/CAS3	.50		Z3/CCAS3	.20		
⊲ 4			· · · · · · · · · · · · · · · · · · ·	4 0.25)	CZ5/CAS5	.32		Z5/CCAS5	.19		MKF50
2		1	<u> </u> ``		CZ10/CAS1 CZ25	.25 .14		Z10/CCAS10	.10 .05		KC65
0	10	20	30		CZZJ	.14		ZX3	.29		RCOJ
	Flow gpm					.26		NOF30-05			
					lf working i by 54.9.	n units of	bars & L/mi	n, divide above	factor		0000 700
sp gr = spec	,				-		-	y by 150 SUS (32		N	OF50-760
Sizing of ele	ements sho	uld be ba	sed on el	ement flow inf	ormation prov $\Delta P_{\text{filter}} = \Delta$			Selection char	t above.		FOF60-03
notes					Exercise:	nousing	cicilic				NMF30
					Determine 2 DF401CZ10			nin) for (44 cSt) fluid.			
					Solution:						RMF60
					$\Delta P_{housing}$ $\Delta P_{element}$	= 20 x .	si [.35 bar] 25 x (200÷1	50) = 6.6 psi			Cartridge Elements
					∆P _{total}	-	(.25÷54.9) × 6.6 = 11.6	((44÷32) = .46 k psi	oar]		HS60
					totai	or	46 = 11.7				MHS60
											KFH50
·								DEDER INDUS		-	11150

DF40 Top-Ported Pressure Filter SAME DAY SHIPMENT MODEL AVAILABLE!

Filter How to Build a Valid Model Number for a Schroeder NF30 BOX 2 BOX 3 BOX 4 BOX 5 BOX 6 BOX 7 BOX 1 BOX 8 BOX 9 Model DF40 Number Selection Example: NOTE: Only box 7 may contain more than one option BOX 1 BOX 2 BOX 3 BOX 4 BOX 5 BOX 6 BOX 7 BOX 8 BOX 9 Same Day S = DF401CZ10SD5 DF40 1C Ζ 10 D5 Shipment . Model See inside back cover



BOX 4			BOX 5	BOX 6		
Micron Rating				Seal Material	Porting	
1	= 1 Micron	(Z, ZW, ZX media)		Omit = Buna N	O = Manifold mounting	
3	= 3 Micron	(AS,E, Z, ZW, ZX media)		V = Viton®	S = SAE-16	
5	= 5 Micron	(AS, Z, ZW, ZX media)		W = Buna N	P = 1" NPTF	
10	= 10 Micron	(AS,E,M, Z, ZW, ZX media)		H = EPR		
25	= 25 Micron	(E & Z-media [®])		H.5 = Skydrol®	B = ISO 228 G-1	
60	= 60 Micron	(M media)		compatibility		

BOX 7		BOX 8
Options		Dirt Alarm [®] Options
Omit = None		Omit = None
X = Blocked	Visual	D = Pointer
bypass	VISUAI	D5 = Visual pop-up
50 = 50 psi bypass seeting	Visual with Thermal Lockout	D8 = Visual w/ thermal lockout
$L = Two \frac{1}{4}$ "		MS5 = Electrical w/ 12 in. 18 gauge 4-conductor cable
L = IWO 1/4 NPTF inlet		MS5LC = Low current MS5
and outlet		MS10 = Electrical w/ DIN connector (male end only)
female test		MS10LC = Low current MS10
points	Electrical	MS11 = Electrical w/ 12 ft. 4-conductor wire
U = Schroeder	Liectificar	MS12 = Electrical w/ 5 pin Brad Harrison connector (male end only)
Check		MS12LC = Low current MS12
⁷ / ₁₆ " -20		MS16 = Electrical w/ weather-packed sealed connector
UNF Test		MS16LC = Low current MS16
Point		MS17LC = Electrical w/ 4 pin Brad Harrison male connector
installation	Electrical with Thermal Lockout	MS5T = MS5 (see above) w/ thermal lockout
in cap		MS5LCT = Low current MS5T
(upstream)		MS10T = MS10 (see above) w/ thermal lockout
		MS10LCT = Low current MS10T
		MS12T = MS12 (see above) w/ thermal lockout MS12LCT = Low current MS12T
		MS12LCT = Low current MS12T MS16T = MS16 (see above) w/ thermal lockout
BOX 9		MS16LCT = Low current MS16T
		MS17LCT = Low current MS17T
	Electrical Visual	$MS = Cam operated switch w/ \frac{1}{2}" conduit female connection$
Additional Options		MS13 = Supplied w/ threaded connector & light
Omit = None		MS14 = Supplied w/ 5 pin Brad Harrison connector & light (male end)
	Electrical	MS13DCT = MS13 (see above), direct current, w/ thermal lockout
N = No-Element	Visual with	MS13DCLCT = Low current MS13DCT
Indicator	Thermal	MS13DCECT = MS14 (see above), direct current, w/ thermal lockout
(DF40 only)	Lockout	MS14DCLCT = Low current MS14DCT

NOTES:

Box 2. Replacement element part numbers are identical to contents of Boxes 2, 3, 4 and 5. E media (cellulose) elements are only available with Buna N seals.

for details.

- Box 5. For options H, V, W, and H.5, all aluminum parts are anodized. H.5 seal designation includes the following: EPR seals, stainless steel wire mesh on elements, and light oil coating on housing exterior. Viton[®] is a registered trademark of DuPont Dow Elastomers. Skydrol[®] is a registered trademark of Solutia Inc.
- Box 6. For option O, O-rings included for subplate option; fastening hardware not included.
- Box 7. Options X and 50 are not available with DFN40.
- Box 8. Standard indicator setting for nonbypassing model is 50 psi unless otherwise specified.
- Box 9. N option is not available with DFN40. N option should be used in conjunction with dirt alarm.