Return Line Filter TRT





of filter in photograph is TR	Feature Filter stand The p option outlet closee heigh magn guara Paten housi a 360 Qualit Part TSRTZ10G.	es and Benefits head is mounted on the tar ard return-line filter solution rotective tube can be suppli- hal versions: 1.) as a closed copening facing downward d base and rows of operatin t of the tank's oil level 2.) v etic core connected to the fi- nteeing effective magnetic ted de-aeration windows ar ng offer superior air bubble degree discharge ty Protected Element Design of Schroeder Industries' 202 TRT2 TRT3 TRT4 T	hk like a ied in various tube with the s or with a ig holes at the vith an optional filter element pre-filtration round the coalescence in a 30 Initiative	up to 634 gpm up to 2400 L/min to 145 psi to 10 bar	IRF TF1 KF3 KL3 LF1 VILF1 RLD GRTB MTA MTB ZT KFT RT
					RTI
Flow Rating:	Up to 634 gpm (2	400 L/min) for 150 SUS (32 c	St) fluids	Filter	LRT
Max. Operating Pressure:	145 psi (10 bar)			Housing	
Temp. Range:	-22°F to 248°F (-3	30°C to 120°C)		Specifications	ART
Bypass Setting:	Cracking: 36 psi	(2.5 bar)			DDT
Filter Head & Cover:	Aluminum				DKI
Filter Housing:	Steel				TRT
Seals:	Can Drop (= Perbi	unan Drop)			
Installation:	As in-tank filter				BFT
					QT
					КТК
					ІТК
					MRT
	Type Fluid	Appropriate Schroeder M	ledia	Fluid Access	ories
	Hydraulic Oils	Schroeder Z-Media [®] (synthe Schroeder 7-Media [®] (synthe	tic)	compatibility For	Tank-
	Compressor Oils	Schroeder Z-Media® (synthe	tic)	Mou	ilterc
Biodegradable	Operating Fluids	Schroeder Z-Media® (synthe	tic)		111613
					PAF1
				Ν	/AF1
		COUR			
		SCHR	OEDER INDUSTRIES 281		MF2

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Element Burst Rating: 87 psi (6 bar) for standard elements Flow Direction: Inside Out

Return Line Filter TRT



Туре	Shroud Version	H1	H2	НЗ	H4	h	h1	h2	h3	h4	ØD1	ØD2	Ød3	а	b	с	d	f	Øk	Øk2	Wt (lbs)
	Without shroud	[0.39]	[8.58] 218	-	[6.1] 155						-										5.7
TDTO	With shroud	10		-	[1.97] 50	[4 E 4]	10.051	10.041	[0.00]			IE 041	10.001	[0,00]	[3.39]	[3.15] 80*	10 751	[4, 40]	[0,00]		7.1
IRIZ	With diffuser	[0.2]	[9.72] 247	[4.02] 102	[0.39]	[1.54] 39	85	[10.24] 260	10	-	[5.04] 128	135	175	84.5	[3.33] 84.5*	[3.07] 78**	[2.75] 69.9	37.5	[0.39] 10	M12	7.5
	Diffuser with opening	5		[4.96] 126	10																7.7

* Non-machined port ** Machined port

TRT





Туре	Design	H1	H2	НЗ	H4	h	h1	h2	h3	h4	ØD1	ØD2	Ød3	а	b	с	d	Øk	Wt (Ibs)
	Without shroud	[0.39]	[12.03] 305.5	-	[7.87] 200						-								9.3
TRT3	With shroud	10		-	[2.36] 60			[16.54]											10.8
	With diffuser	[0.2]	[12.83] 326	[4.53] 115	[0.39]			420			[5.98] 152								11.0
	Diffuser with opening	5		[6.22] 158	10														11.2
	Without shroud	10.391	[15.96] 405.5	-	[10.63] 270						-								9.9
TRT4	With shroud	10		-	[2.36] 60	[2.09]	[4.98]	[20.47]	[0.43]	[1.97]		[6.14]	[8.46]	[3.85] 98.0*	[3.85] 98.0*	[3.58] 91*	[3.94]	[0.49]	11.9
	With diffuser	[0.2]	[16.77] 426	[4.53] 115	[0.39]	53	126.5	520	11	50	[5.98] 152	156	215	[3.80] 96.5**	[3.80] 96.5**	[3.50] 89**	100	12.5	12.1
	Diffuser with opening	5		[7.68] 195	10														12.3
	Without shroud	[0.39]	[19.51] 495.5	-	[12.99] 330						-								11.0
TRT5	With shroud	10		-	[2.36] 60			[24.02]											13.2
	With diffuser	10 01 5	[20.31] 516	[4.53] 115	[0.39]			610			[5.98] 152								13.4
	Diffuser with	[U.2] 5		[10.63] 270	10														13.7

E2

* Non-machined port ** Machined port



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TRT



Total Filter Pressure Drop versus Flow Rate at 32 cSt (150 SUS) Flow Rate [LPM] 20 40 60 80 100 120 140 160 180



Pressure Drop Information Based on Flow Rate and Viscosity



Total Filter Pressure Drop versus Flow Rate at 32 cSt (150 SUS) Flow Rate [LPM]



TRT4



TRT5





TRT Return Line Filter

TRT –	(2 BOX 3	BOX 4 BOX 5 BC	DX 6 BOX 7	BOX 8 BOX 9	
Example: NOTE: One	option per box				
BOX 1 BOX TRT - 2RT	C2 BOX 3 ΓΖ – 10 –	BOX 4 BOX 5 BC	ох 6 вох 7 G – –	BOX 8 BOX 9	= TRT2RTZ10G
BOX 1 B	OX 2	BOX 3		30X 4	
Filter Series of E	Size lement	Micron Rating	В	ypass	
TRT	2RTZ	10 = 10 µm	Omit = stan	dard 36 psi bypass	
3	BRTZ	25 = 25 µm	X = non	bypass	
	1RTZ		12 = 12 p	si bypass	
5	5RTZ				
BOX 5		BOX 6			BOX 7
BOX 5 Magne	t	BOX 6 Portin	g	Ho	BOX 7 using Option
BOX 5 Magne Omit = no magne	tic core	BOX 6 Portin G = 1 1/2" G	g	Ho Omit = standard	BOX 7 using Option housing with diffuse
BOX 5 Magne Omit = no magne M = Magnet	tic core	BOX 6 Portin G = 1 1/2" G S = 1 1/2" SA	g .E	Hor Omit = standard X = no housi	BOX 7 using Option housing with diffuse ng tube
BOX 5 Magne Omit = no magne M = Magnet BOX 8	tic core	BOX 6 Portine G = 1 1/2 " G S = 1 1/2 " SA B	g E OX 9	Hou Omit = standard X = no housi	BOX 7 using Option housing with diffuse ng tube
BOX 5 Magne Omit = no magne M = Magnet BOX 8 Seal Material	tic core	BOX 6 Portin G = 1 1/2" G S = 1 1/2" SA Bu Dirt Alar	g E OX 9 m [®] Options	Hor Omit = standard X = no housi	BOX 7 using Option housing with diffuse ng tube
BOX 5 Magne Omit = no magne M = Magnet BOX 8 Seal Material Omit = Buna N	tic core	BOX 6 Portin G = 1 1/2 " G S = 1 1/2 " SA Br Dirt Alari Omit = No Inc	g E OX 9 m [®] Options dicator, sealed u	Hou Omit = standard X = no housin p w/ screw plug	BOX 7 using Option housing with diffuse ng tube
BOX 5 Magne Omit = no magne M = Magnet BOX 8 Seal Material Omit = Buna N V = Viton®	tic core	BOX 6 Portin G = 1 1/2 " G S = 1 1/2 " SA B Dirt Alar Omit = No Inc VA = visual	g E OX 9 M [®] Options dicator, sealed u /electrical	Hor Omit = standard X = no housin	BOX 7 using Option housing with diffuse ng tube
BOX 5 Magne Omit = no magne M = Magnet BOX 8 Seal Material Omit = Buna N V = Viton®	tic core Clogging	BOX 6 Portine G = 1 1/2 " G S = 1 1/2 " SA Br Dirt Alare Omit = No Inc VA = visual VE = electr	g E OX 9 m [®] Options dicator, sealed u /electrical	Hou Omit = standard X = no housin p w/ screw plug	BOX 7 using Option housing with diffuse ng tube