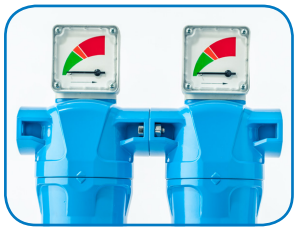
TFX Series
Compressed Air Dust Filters

Introducing the TFX Series Compressed Air Dust Filters

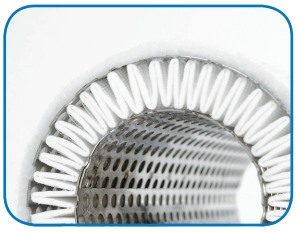
The TFX series compressed air dust filter incorporates smart design features and innovative new technologies, making it the ideal solution for installation downstream of regenerative compressed air and gas dryers. The TFX series filters combine the benefit of reduced service time with high performance levels and maximum reliability.

Features and Benefits

- Corrosion Protected: Housings are coated internally and externally with a durable corrosion protection treatment
- Exceptional Performance: Custom engineered filtration media delivers market-leading performance in line with ISO 8573-1: 2010
- Accelerated Service: Easy push fit element allows for a quick change out and the external drain simplifies the service process
- Color Coded Elements: End caps are color coded for quick and easy grade identification
- Quality Construction: Manufactured from high quality aluminum, filter housings are 100% leak tested prior to shipment
- Comprehensive Range: 18 models with connections from ⅛" to 3" and an operating pressure of 300 psig



Modular Design
Bank together TFX series filters with a low cost connection kit



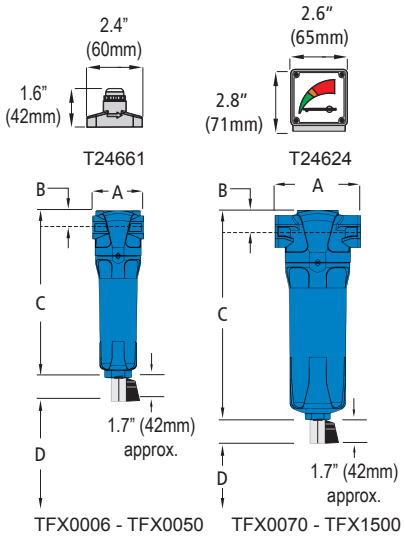
Filtration Media
Deep pleated filtration media combined with outer drainage layer for improved performance

Rotational Safety Stop
Prevents over/under rotation and provides guaranteed safe housing closure

Technical Specification

Filter model	Pipe size inches	Inlet flow rate*		Dimensions inches (mm)				Weight		Element model
		SCFM	Nm³/hr	A	B	C	D	lbs	Kg	
TFX0006 (grade)	⅛	6	10	1.97 (50)	0.67 (17)	6.18 (157)	2.36 (60)	0.6	0.3	TFX0006 (grade) E
TFX0015 (grade)	¼	15	25	1.97 (50)	0.67 (17)	6.18 (157)	2.36 (60)	0.6	0.3	TFX0015 (grade) E
TFX0025 (grade)	¼	25	42	2.76 (70)	0.94 (24)	9.09 (231)	2.76 (70)	1.3	0.6	TFX0025 (grade) E
TFX0032 (grade)	⅜	32	54	2.76 (70)	0.94 (24)	9.09 (231)	2.76 (70)	1.3	0.6	TFX0032 (grade) E
TFX0050 (grade)	½	50	85	2.76 (70)	0.94 (24)	9.09 (231)	2.76 (70)	1.3	0.6	TFX0050 (grade) E
TFX0070 (grade)	½	70	119	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7	TFX0070 (grade) E
TFX0085 (grade)	¾	85	144	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7	TFX0085 (grade) E
TFX0105 (grade)	1	105	178	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7	TFX0105 (grade) E
TFX0125 (grade)	¾	125	212	5.00 (127)	1.26 (32)	14.60 (371)	3.15 (80)	4.4	2.0	TFX0125 (grade) E
TFX0175 (grade)	1	175	297	5.00 (127)	1.26 (32)	14.60 (371)	3.15 (80)	4.4	2.0	TFX0175 (grade) E
TFX0280 (grade)	1¼	280	476	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9	TFX0280 (grade) E
TFX0400 (grade)	1½	400	680	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9	TFX0400 (grade) E
TFX0450 (grade)	2	450	765	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9	TFX0450 (grade) E
TFX0700 (grade)	2	700	1189	6.69 (170)	2.08 (53)	27.87 (708)	3.94 (100)	12.1	5.5	TFX0700 (grade) E
TFX0850 (grade)	2½	850	1444	8.66 (220)	2.75 (70)	28.97 (736)	3.94 (100)	23.1	10.5	TFX0850 (grade) E
TFX0900 (grade)	3	900	1529	8.66 (220)	2.75 (70)	28.97 (736)	3.94 (100)	23.1	10.5	TFX0900 (grade) E
TFX1250 (grade)	3	1250	2125	8.66 (220)	2.75 (70)	33.74 (857)	3.94 (100)	25.4	11.5	TFX1250 (grade) E
TFX1500 (grade)	3	1500	2550	8.66 (220)	2.75 (70)	39.56 (1005)	3.94 (100)	27.6	12.5	TFX1500 (grade) E

*Rated flow at 100 psig (7 barg), reference conditions at 14.7 psi(a) (1.014 bar(a)), 68°F (20°C)



Grade	RR		RP		RF		RH	
Particle removal	5 micron		1 micron		0.01 micron		0.01 micron	
Maximum particle size class**	4		3		1		1	
Maximum oil carryover at 68°F (20°C)	-		-		-		0.003 ppm	0.003 mg/m³
Pressure loss - clean & dry	0.6 psi	40 mbar	1.1 psi	75 mbar	1.5 psi	100 mbar	1.1 psi	75 mbar
Pressure loss - element change	12 mths	8000 hrs	12 mths	8000 hrs	12 mths	8000 hrs	at least every 6 mths	
Maximum temperature	248°F	120°C	248°F	120°C	248°F	120°C	122°F***	50°C***
Maximum working pressure	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg	300 psig	20.7 barg
Element end cap color	Green		Red		Blue		Black	

**to ISO 8573-1: 2010 ***Maximum recommended operating temperature 77ºF (25ºC)

Pressure correction factors	For maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure										
Operating pressure psig (barg)	58 (4)	72 (5)	87 (6)	100 (7)	115 (8)	145 (10)	174 (12)	203 (14)	232 (16)	290 (20)	300 (20.7)
100 psig - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	1.60	1.73

Technical notes

1. Direction of air flow is outside to in through the filter element.
2. Pop up indicators (T24661) are fitted to models TFX0025 to TFX0050 as standard. Differential pressure indicators (T24624) are fitted to models TFX0070 to TFX1500 as standard. Activated Carbon (RH) grade filters do not include DP equipment. Volt free contact options are available upon request.
3. Manual drain valves are fitted as standard (T16505 on models TFX0006 to TFX0050 and T16505E on models TFX0070 to TFX1500).
4. Activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO_2).
5. Filters are manufactured from cast aluminum alloy and are PED 2014/68/EU compliant for group 2 gases.
6. Standard threaded connections are NPT to ANSI/ASME B1.20.1. RP (BSP Parallel) to ISO 7-1 and RC (BSP Taper) to ISO 7-1 are also available upon request.
7. Filters are suitable for use with mineral and synthetic oils plus, oil-free compressed air applications.
8. Filter elements should be changed every 12 months / 8000 hours (whichever comes first). Activated carbon filter elements should be changed every 6 months.

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