

# TFX Series Water Separators

**Titus**  
FILTERS

## Introducing the TFX Series Water Separators

The TFX series water separator is the ideal solution to remove water in compressed air installations. This highly efficient line removes up to 99% of bulk liquid to minimize component failure and increase the operating life of your equipment. The TFX series features a comprehensive range of water separators, including 13 models with connections from 1/8" to 3" and flows from 6 SCFM to 1500 SCFM.



### Features and Benefits

- Highly Efficient: Removes 99% of bulk water when tested in accordance with ISO 12500-4
- Corrosion Protected: Housings are coated internally and externally with a durable corrosion protection treatment
- Cost Savings: No replacement components are required, making it a cost effective solution
- Energy Saving: Operates with a low differential pressure that reduces energy consumption and operating costs



**External Drain**  
Easily service the drain without accessing the inside of the water separator housing



**Unique Spinner**  
Operates even at low velocities, making it energy efficient and reliable

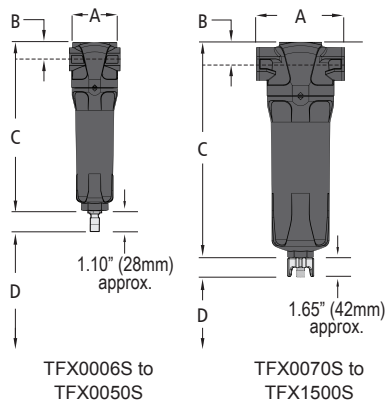


**Multi-Banked Design**  
Bank a TFX series water separator to a compressed air filter with a low cost connection kit

# Technical Specification

Filter model	Pipe size inches	Inlet flow rate*		Dimensions inches (mm)				Weight	
		SCFM	Nm <sup>3</sup> /hr	A	B	C	D	lbs	Kg
TFX0006S	1/8	6	10	1.97 (50)	0.67 (17)	6.18 (157)	2.36 (60)	0.6	0.3
TFX0015S	1/4	15	25	1.97 (50)	0.67 (17)	6.18 (157)	2.36 (60)	0.6	0.3
TFX0025S	1/4	25	42	2.76 (70)	0.94 (24)	9.09 (231)	2.76 (70)	1.3	0.6
TFX0035S	3/8	35	59	2.76 (70)	0.94 (24)	9.09 (231)	2.76 (70)	1.3	0.6
TFX0050S	1/2	50	85	2.76 (70)	0.94 (24)	9.09 (231)	2.76 (70)	1.3	0.6
TFX0070S	1/2	70	119	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7
TFX0125S	3/4	125	212	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7
TFX0175S	1	175	297	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7
TFX0280S	1 1/4	280	476	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9
TFX0400S	1 1/2	400	680	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9
TFX0700S	2	700	1189	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9
TFX0850S	2 1/2	850	1444	8.66 (220)	2.75 (70)	16.54 (420)	3.94 (100)	17.6	8.0
TFX1500S	3	1500	2550	8.66 (220)	2.75 (70)	16.54 (420)	3.94 (100)	17.6	8.0

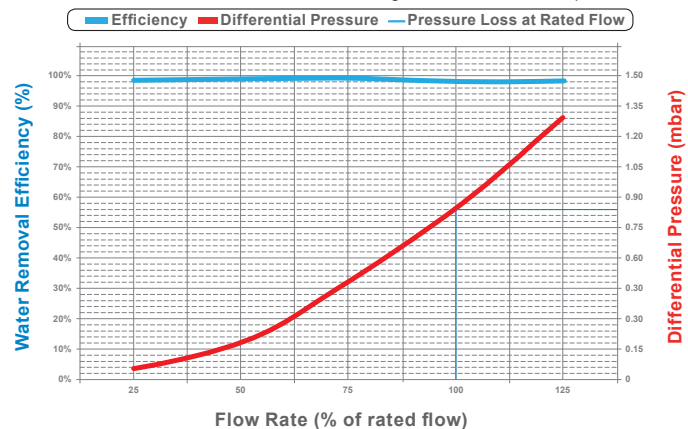
\*Rated flow at 100 psig (7 barg), reference conditions at 14.7 psi(a) (1.014 bar(a)), 68°F (20°C)



Grade	S	
Minimum recommended operating temperature - automatic drain	34°F	1°C
Maximum recommended operating temperature - automatic drain	176°F	80°C
Maximum working pressure - automatic drain	232 psig	16 barg
Minimum recommended operating temperature - manual drain	34°F	1°C
Maximum recommended operating temperature - manual drain	248°F	120°C
Maximum working pressure - manual drain	300 psig	20.7 barg
Typical pressure loss at rated flow	0.8 psi	55 mbar

## Typical performance

Tested in accordance with ISO 12500-4 using a TFX0070S Water Separator.



## Technical notes

- Water Separators are fitted as standard with normally open float operated automatic drain valves, T22530 on models TFX0006S to TFX0050S and T22530E on models TFX0070S to TFX1500S. Normally closed operated automatic drain valves (T23789) are available for low range flow applications (2.5 SCFM, 4.2 Nm<sup>3</sup>/hr), 300 psig (20.7 barg) range at 248°F (120°C) is available when supplied with a manual drain valve (T16505 on models TFX0006S to TFX0050S and T16505E on models TFX0070S to TFX1500S). Standard filters can operate at 232 psig (16 barg) at 176°F (80°C).
- Connecting kits are required to connect Water Separators to models TFX0006 to TFX1500.
- Wall mounting brackets are available for all models.
- 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.