

TXF/TYF Series

High Performance Air Filter



High Performance Air Filter

- Removal of a Large Amount of Harmful Substances in Compressed Air

High-performance elements that protect advanced equipment demonstrate excellent performance in removing fine contaminants from compressed air.

This filter is installed in the main pipeline to remove oil mist, moisture, dust, and other contaminants in compressed air, providing clean air and preventing malfunctions in downstream equipment.

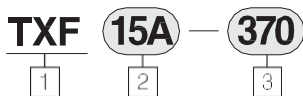
Compressed air introduced into the filter housing enters the inner (or outer) side of the centrally located filter element and passes through to the outer (or inner) side of the element.

During this process, contaminants in the air are filtered out, and clean air is supplied to each piece of equipment. Separated oil mist, moisture, and dust particles accumulate on the surface of the element and flow down to the lower part of the filter.

These contaminants are automatically drained and discharged to the outside through a drainage trap.

Air filters can be replaced with **Particulate Filters** (for particle removal), **Coalescing Filters** (for oil mist removal), and **Adsorption Filters** (for oil vapor reduction), allowing for cost efficiency and optimized performance.

How To Order



1 High-Performance Air Filter (TXF, TYF)

2 Filter Size

Refer to the specifications table.

3 Attachment

Filtration Precision:

- 370: 20 μm
- 320: 3 μm
- 310: 1 μm
- 130: 0.01 μm
- 150: 0.01 ppm

High-Performance Air Filter *TXF/TYF Series*

Air Filter

15A	20A 25A	40A 50A	65A 80A 100A	125A	150A 200A 250A 300A
					

Specification

Filter Type Model		CAPACITY(Nm ³ /min)				
		Main Filter	Pre Filter	Line Filter	Coalescent Filter	Absorbent Filter
		370(20μm)	320(3μm)	310(1μm)	130(0.01μm)	150(0.01ppm)
TXF-15A	1/2" (S)	2.2	1.8	1.2	1.0	1.0
TXF-20A	3/4" (S)	5.7	3.5	2.8	1.9	1.9
TXF-25A	1" (S)	8.0	5.7	5.0	3.4	3.4
TYF-40A	1½" (S)	17.0	14.0	11.0	10.0	10.0
TYF-50A	2" (S)	29.0	25.0	22.0	14.0	14.0
TYF-65A	2½" (S)	58.0	50.0	48.0	28.0	28.0
TYF-80A	3" (S)	88.0	75.0	72.0	42.0	42.0
TYF-100A	4" (S)	145.0	125.0	110.0	70.0	70.0
TXF-125A	5" (F)	174.0	150.0	132.0	84.0	84.0
TXF-150A	6" (F)	282.0	221.0	176.0	112.0	112.0
TXF-200A	8" (F)	447.0	331.0	308.0	196.0	196.0
TXF-250A	10" (F)	733.0	555.0	528.0	336.0	336.0
TXF-300A	12" (F)	1103.0	850.0	792.0	504.0	504.0

Note¹ S: Socket, F: Flange **Note²** TXF-125A and above are made to order. **Note³** The above products are subject to change without prior notice.

Note⁴ TXF-40A to 100A products have been discontinued; please place orders for the TYF Series instead.

Dimension

Model	Width	Height	Weight
TXF-15A	88	278	1.25
TXF-20A	88	495	2.5
TXF-25A	100	590	3.5
TYF-40A	132	420	4
TYF-50A	165	536	7.4
TYF-65A	215	788	10
TYF-80A	220	1102	16
TYF-100A	220	1102	16
TXF-125A	620	1300	140
TXF-150A	740	2195	250
TXF-200A	1000	2600	340
TXF-250A	1200	2270	400
TXF-300A	1450	2980	450

Element Q' TY

Model	370	320	310	130	150
TXF-15A			1		
TXF-20A			1		
TXF-25A			1		
TYF-40A			1		
TYF-50A			1		
TYF-65A			1		
TYF-80A			1		
TYF-100A			1		
TXF-125A			6		
TXF-150A			8		
TXF-200A			11		
TXF-250A			19		
TXF-300A			30		

Note⁵ From TXF-125A and above, the products are subject to design and performance inspection by the Korea Occupational Safety and Health Agency (KOSHA).
(Filter diameter: 6 inches or larger)

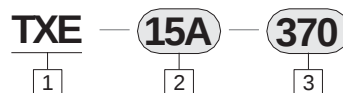
TXF/TYF Series

TXE/TYE Series - Element



Air Filter-Element (High Performance)

How To Order



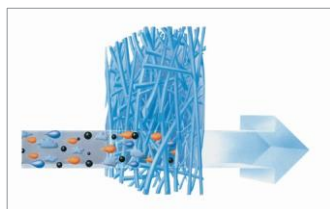
1 Filter Element Size (TXE, TYE)

2 Filter Size

Refer to the specifications table.

3 Attachment Filtration Precision:

- 370: 20 μm
- 320: 3 μm
- 310: 1 μm
- 130: 0.01 μm
- 150: 0.01 ppm



We offer a variety of media elements suitable for removing particles, oil, moisture, and special gases.



The housing uses a **one-touch fastening system** that directly secures the element, making element replacement simple and convenient.



A **middle valve** is installed to facilitate easy cleaning or replacement of the drain trap.

Technical specifications

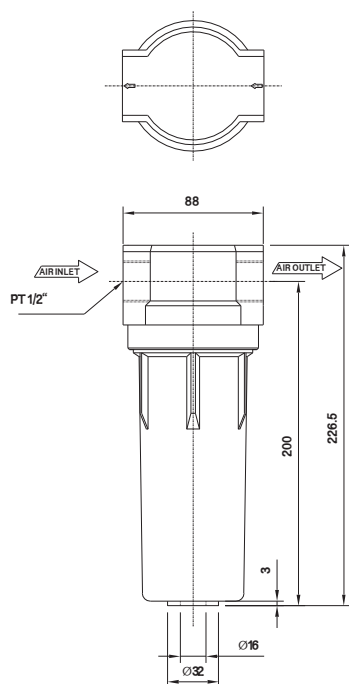
MODEL (TXE) Filtration (μm) Performance	MAIN TXE-370 TYE-370	PRE TXE-320 TYE-320	LINE TXE-310 TYE-310	COALESCENT TXE-130 TYE-130	ADSORBENT TXE-150 TYE-150
Filtration Accuracy	20 μm	3 μm	1 μm	0.01 μm	0.01 ppm
Filtration Standard	· Removes particles larger than 20 μm · ISO 8573 Class · 3 / 5 / 200,000 ppm	· Removes particles larger than 3 μm · ISO 8573 Class · 3 / 5 / 20,000 ppm	· Removes particles larger than 1 μm · ISO 8573 Class · 2 / 4 / 1,000 ppm	· Removes particles larger than 0.1 μm · ISO 8573 Class · 1 / 2 / 60 ppm	Used in precision electronics, semiconductors, pharmaceutical manufacturing processes
Service Application	Removes liquid substances, oil, rust, chips, etc., and particles larger than 20 μm . This is the most commonly used element.	Removes liquid substances, oil, rust, chips, etc., and particles larger than 3 μm . This is the most commonly used element.	Used for shut-off air supply and general air supply applications.	Cannot remove odors such as spray paint.	Used in precision electronics, semiconductors, pharmaceutical manufacturing processes
Compressed Air	Allows the passage of liquid and solid particles smaller than 20 μm .	Allows the passage of liquid and solid particles smaller than 3 μm .	Allows the passage of liquid and solid particles smaller than 1 μm .	Allows the passage of liquid and solid particles smaller than 0.1 μm .	Allows the passage of liquid and solid particles smaller than 0.01 μm .

Note¹⁾ TXF-40A to 80A models have been discontinued; however, elements (TXE Series) are still available for order.

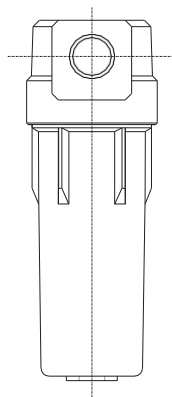
Note²⁾ For TYF Series elements, please use the TYE Series as replacements.

High-Performance Air Filter *TXF/TYF* Series

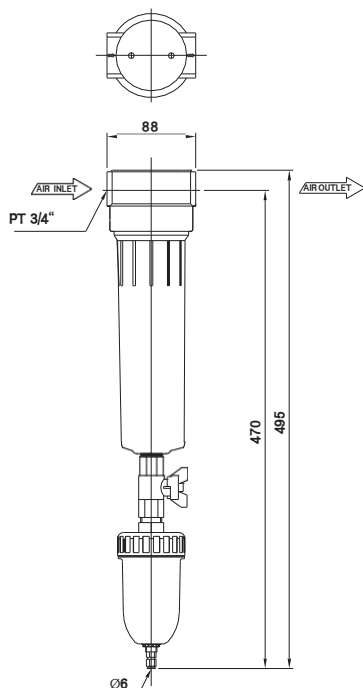
TXF 15A-370, 320, 310, 130, 150 Drawing



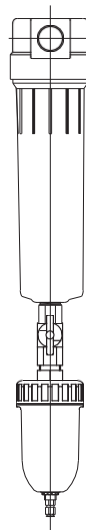
Model	CAPACITY (Nm ³ /min)	FILTER ELEMENT
370	2.2	MAIN ELEMENT (20 μm)
320	1.8	PRE ELEMENT (3 μm)
310	1.2	LINE ELEMENT (1 μm)
130	1.0	COALESCENT ELEMENT (0.01 μm)
150	1.0	ADSORBENT ELEMENT (0.01 ppm)



TXF 20A-370, 320, 310, 130, 150 Drawing

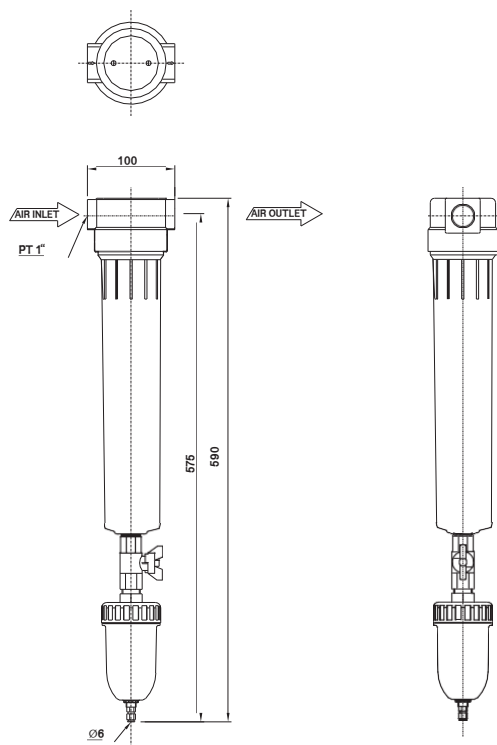


Model	CAPACITY (Nm ³ /min)	FILTER ELEMENT
370	5.7	MAIN ELEMENT (20 μm)
320	3.5	PRE ELEMENT (3 μm)
310	2.8	LINE ELEMENT (1 μm)
130	1.9	COALESCENT ELEMENT (0.01 μm)
150	1.9	COALESCENT ELEMENT (0.01 ppm)



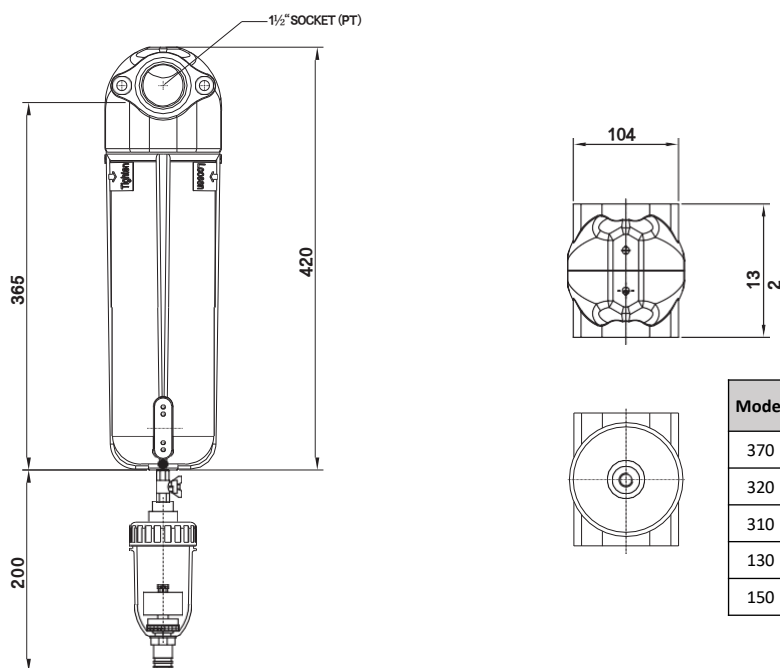
TXF/TYF Series

TXF 25A-370, 320, 310, 130, 150 Drawing



Model	CAPACITY (Nm ³ /min)	FILTER ELEMENT
370	8.0	MAIN ELEMENT (20 μm)
320	5.7	PRE ELEMENT (3 μm)
310	5.0	LINE ELEMENT (1 μm)
130	3.4	COALESCENT ELEMENT (0.01 μm)
150	3.4	COALESCENT ELEMENT (0.01 ppm)

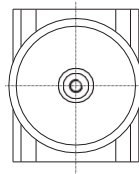
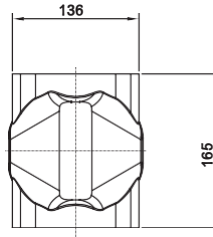
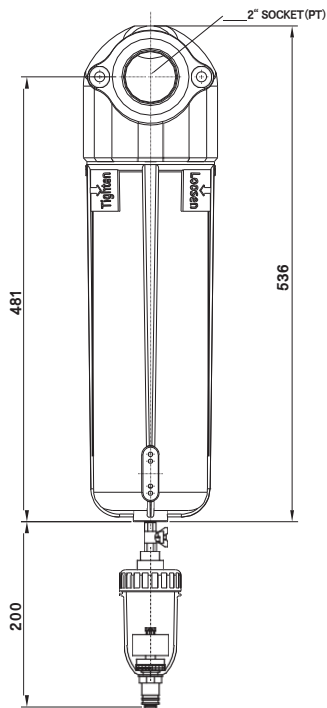
TXF 40A-370, 320, 310, 130, 150 Drawing



Model	CAPACITY (Nm ³ /min)	FILTER ELEMENT
370	17	MAIN ELEMENT (20 μm)
320	14	PRE ELEMENT (3 μm)
310	11	LINE ELEMENT (1 μm)
130	10	COALESCENT ELEMENT (0.01 μm)
150	10	ADSORBENT ELEMENT (0.01 ppm)

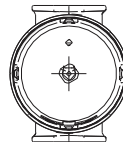
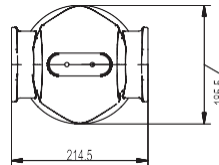
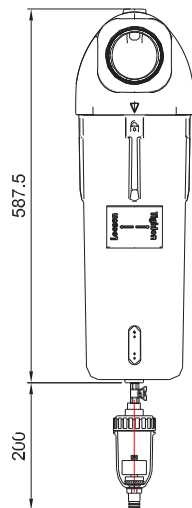
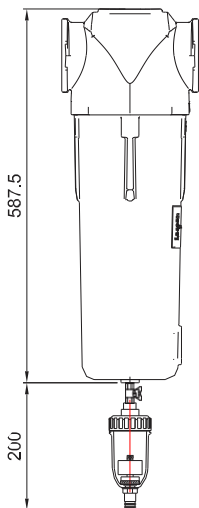
High-Performance Air Filter *TXF/TYF* Series

TXF 50A-370, 320, 310, 130, 150 Drawing



Model	CAPACITY (Nm ³ /min)	FILTER ELEMENT
370	29	MAIN ELEMENT (20 μm)
320	25	PRE ELEMENT (3 μm)
310	22	LINE ELEMENT (1 μm)
130	14	COALESCENT ELEMENT (0.01 μm)
150	14	ADSORBENT ELEMENT (0.01 ppm)

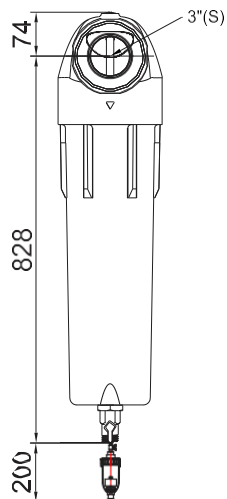
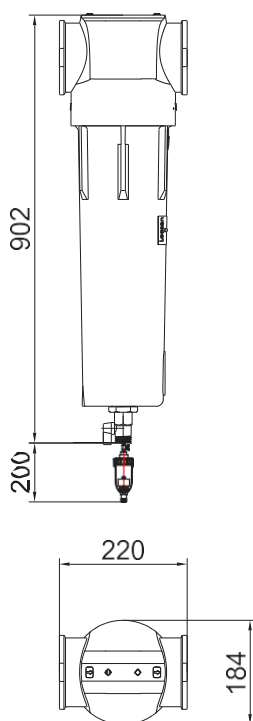
TXF 65A-370, 320, 310, 130, 150 Drawing



Model	CAPACITY (Nm ³ /min)	FILTER ELEMENT
370	58	MAIN ELEMENT (20 μm)
320	50	PRE ELEMENT (3 μm)
310	48	LINE ELEMENT (1 μm)
130	28	COALESCENT ELEMENT (0.01 μm)
150	28	ADSORBENT ELEMENT (0.01 ppm)

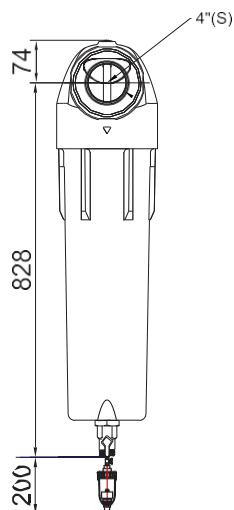
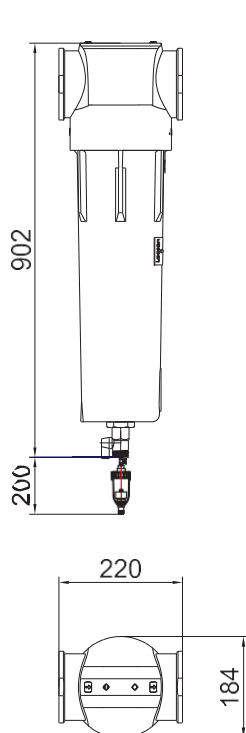
TXF/TYF Series

TYF 80A-370, 320, 310, 130, 150 Drawing



Model	CAPACITY (Nm ³ /min)	FILTER ELEMENT
370	88	MAIN ELEMENT (20 μm)
320	75	PRE ELEMENT (3 μm)
310	72	LINE ELEMENT (1 μm)
130	42	COALESCENT ELEMENT (0.01 μm)
150	42	ADSORBENT ELEMENT (0.01 ppm)

TYF 100A-370, 320, 310, 130, 150 Drawing



Model	CAPACITY (Nm ³ /min)	FILTER ELEMENT
370	48	MAIN ELEMENT (20 μm)
320	48	PRE ELEMENT (3 μm)
310	48	LINE ELEMENT (1 μm)
130	48	COALESCENT ELEMENT (0.01 μm)
150	48	ADSORBENT ELEMENT (0.01 ppm)

High-Performance Air Filter *TXF/TYF* Series

Electronic Trap



TD80 - 80

TD80 - 015

TD80 (Electronic Trap)

Features

- Large-bore direct-acting solenoid valve (TD80)
- Protection from dust and impurities, and prevention of malfunctions through the application of a strainer valve (optional)
- Operation control and equipment setting via a timer

Specifications

Model	Connection	Max.Pressure	Electric Power
TD80 - 015	PT 1/2"	16 kgf/cm ²	AC 1Ø 220v50Hz 60Hz
TD80 - 80	PT 1/4"	80 kgf/cm ²	
TD80 - 250	PT 1/4"	250 kgf/cm ²	

Note¹) Pressure-discharge type auto drain trap (non-powered type) – Please inquire separately.

Auto Drain Trap



TDAD-125

Float



TD-12

Differential Pressure Gauge



TPG-15

Specification

Model	Pressure	Max.Pressure	Inlet Temp	Connection
TDAD-125M	3~13.0 kgf/cm ²	13.0 kgf/cm ²	60°C ↓	PT 1/2"
TDAD-125	3~9.9 kgf/cm ²	9.9 kgf/cm ²	60°C ↓	PT 1/2"
TDAD-300	3~9.9 kgf/cm ²	9.9 kgf/cm ²	60°C ↓	M30
TD-12	3~9.9 kgf/cm ²	9.9 kgf/cm ²	60°C ↓	
TPG-15	3~9.9 kgf/cm ²	-	60°C ↓	PT 1/8", 1/4"

Features



- No power supply is required, resulting in low maintenance costs.
- A built-in float inside the body automatically discharges condensate when it reaches a certain level.

