



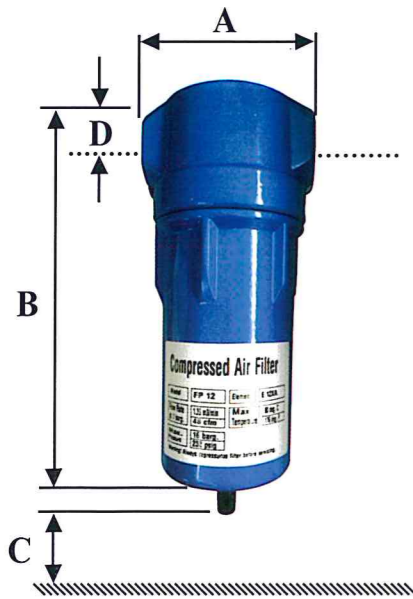
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Technical information below refers to nominal operation condition of 7 barg at 20°C.
 Maximum operation condition: Inlet air pressure at 16 barg, Inlet air temperature at 80°C.

Filter Model	Connection [BSP-F]	Flow Rate		Replacement Element [Model]	Dimensions [mm]				Weight [kg]
		[m³/min]	[scfm]		A	B	C	D	
FP12*	0.5"	1.36	48	E12	87	212	60	21	1.10
FP18*	0.75"	2.12	75	E18	87	272	80	21	1.20
FP30*	1"	3.54	125	E30	126	288	100	34	2.80
FP50*	1.50"	5.84	205	E50	126	377	120	34	3.20
FP80*	1.50"	9.15	323	E80	126	480	140	34	3.90
FP105*	2"	13.81	490	E105	166	580	150	50	9.40
FP150*	2"	17.84	630	E150	166	715	180	50	11.30
FP200*	2.5"	26.05	920	E200	166	950	210	50	13.90
FP305*	3"	44.03	1555	E305	240	933	280	60	24.10

* = [Grade] X3 = [3 Micron] X1 = [1 Micron] XA = [0.01 Micron] XAC = [Activated Carbon] XAA = [0.001 Micron]



Grade	Description
X3 3 Micron	Pre Filter capable of removing emulsion and contaminants down to 3 micron.
X1 1 Micron	Filters for general purpose protection, capable of removing contaminants down to 1 micron, with oil residual present at 0.1 mg/m³.
XA 0.01 Micron	High efficiency coalescing filter, removing oil and water aerosol down to 0.01 mg/m³ and extremely small particles to 0.01 micron.
XAA 0.001 Micron	0.01 micron particle removal 0.001 mg/m³ oil removal.
XAC Activated Carbon	High efficiency activated carbon filter for removal of oil, vapors and odors. It lowers to a maximum remaining oil residual of 0.003 mg/m³ when installed after (XA) grade filter.

Correction Factor For Operating Pressure Changes

Inlet Air Pressure (bar g)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Factor	0.25	0.38	0.50	0.65	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.00	2.13



ALTECH Compressed Air Filters

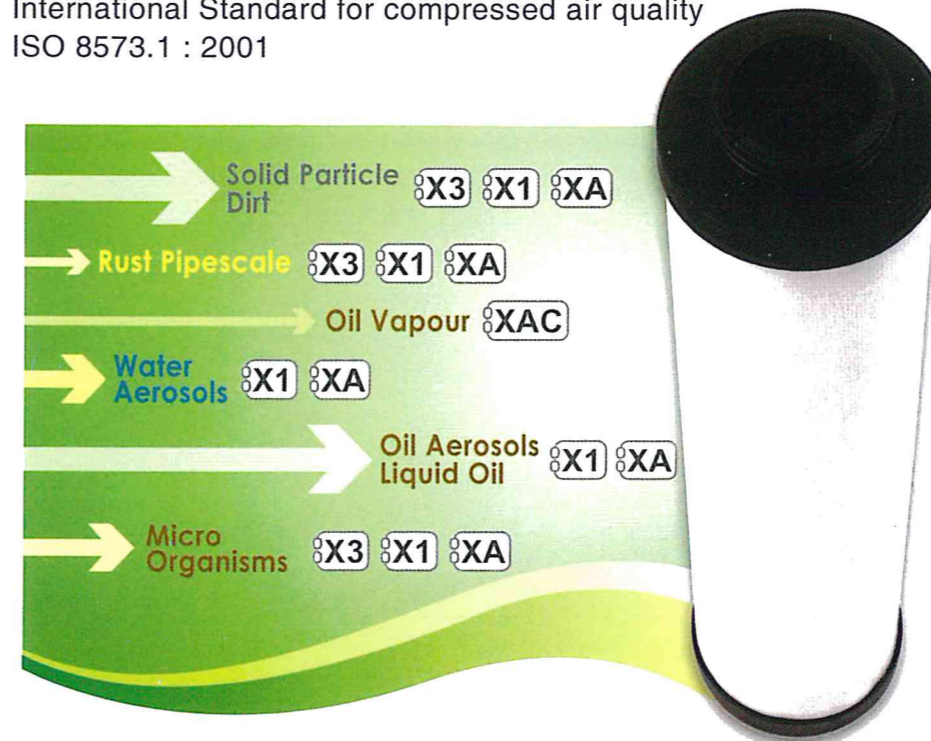
Filtration performances according to ISO8573.1 : 2001

Compressed Air Quality to ISO8573 Part 1:2001					
Oil Removal down to	Class 5	Class 4	Class 3	Class 2	Class 1
0.01 mg/m³					XA/XAC class 1
0.1 mg/m³				X1 class 2	
1 mg/m³					
5 mg/m³			X3 class 3		
Particle size 1.0-5.0µm	20000 per m³	1000 per m³	500 per m³	10 per m³	0 per m³
Particle size 0.5-1.0µm			10000 per m³	1000 per m³	1 per m³

- **Accuracy and Comprehensive**
Altech filter housings have been designed to be more incorporable with your air compressor range to prevent oversizing for cost saving
- **Reliable and Durable**
Altech filter housings have been appropriately tested to ensure they are conform to compressed air requirement and safe to be used.
- **Fast and Troubleproof Maintenance**
Altech filter elements are installed without tie-rod. This "Push-fit" design makes replacement job faster and easier when compared to conventional element that requires a tie-rod.

Interior . Performance . Quality

Altech filter consist of particle removal filter, coalescing filters and adsorption filter that is required to remove contaminants found in compressed air system as below. These destructive contaminants must be removed to provide quality air in order to protect your equipments. Altech filters provide air quality in accordance with International Standard for compressed air quality ISO 8573.1 : 2001



Filtration Grades

- X3** Prefiltration for solid contaminant
Particle removal down to 3 micron
Air quality ISO 8573.1 Class 3
Initial pressure drop 0.03 bar
- X1** General filtration for particle, oil & water aerosol
Particle removal down to 1 micron
Oil content down to 0.1 mg/m³
Air quality ISO 8573.1 Class 2
Initial pressure drop 0.05 bar
- XA** High efficiency filtration for particle, oil & water aerosol
Particle removal down to 0.01 micron
Oil content down to 0.01 mg/m³
Air quality ISO 8573.1 Class 1
Initial pressure drop 0.09 bar
- XAC** Adsorption filtration for oil vapour & other hydrocarbon
Oil content down to 0.003 mg/m³
Air quality ISO 8573.1 Class 1
Initial pressure drop 0.10 bar
(Always Proceed with Grade XA filter)

* The above rating is based on operational condition at 7 bar g and 20°C.