



- Very low installation clearance - Install anywhere
- Oil Removal (Coalescing) and Particulate
- Flow from 100 to 1810 m<sup>3</sup>/hour
- Particle Removal 0.01 (µm)



Submicron Filters

**Cleansweep**

Complete filtration solution

## Working Principle

Coalescing is a continuous natural process in which oil, water and solid particles that pass through the filter element come into contact with a fibre strand and unite with other collected aerosole to form droplets. The droplets fall to the bottom of the housing and are drained away.

## Technical Data

Model	Element Grade	Item Code		Pipe Size BSP	Flow Rate (m <sup>3</sup> /hour) @7 (kg/cm <sup>2</sup> )	Max Working Pressure (kg/cm <sup>2</sup> )	Housing Dimensions (mm)		
		(EA) Drain Type	(IA) Drain Type				A	B	C
T 100	P	PF149	PF150	½"	100	16	87	294	50
	X	PF149A	PF150A						
	Y	PF149B	PF150B						
	A	PF149C	PF150C						
T 250	P	PF129	PF128	1"	250	16	114	399	50
	X	PF129A	PF128A						
	Y	PF129B	PF128B						
	A	PF129C	PF128C						
T600	P	PF131	PF130	1½"	640	16	114	474	50
	X	PF131A	PF130A						
	Y	PF131B	PF130B						
	A	PF131C	PF130C						
T851	P	PF167	PF163	2"	851	16	148	666	50
	X	PF167A	PF163A						
	Y	PF167B	PF163B						
	A	PF167C	PF163C						
T1210	P	PF177	PF164	2"	1210	16	148	736	50
	X	PF177A	PF164A						
	Y	PF177B	PF164B						
	A	PF177C	PF164C						
T1810	P	PF170	PF165	3"	1810	12	211	761	50
	X	PF170A	PF165A						
	Y	PF170B	PF165B						
	A	PF170C	PF165C						

Replacement Element



**Ordering Code** : Example : Model T100 X EA (or) T100 X IA X - Element Grade ; IA - Internal Automatic float drain

EA - External Automatic Drain

## Specification

Description	Element Grade			
	P	X	Y	A
Filter Element	Borosilicate	Borosilicate	Borosilicate	Activated Carbon
Construction Material (T100 - T1810)	Extruded Aluminium Alloy	Extruded Aluminium Alloy	Extruded Aluminium Alloy	Extruded Aluminium Alloy
Coating - External	Epoxy Powder Coating	Epoxy Powder Coating	Epoxy Powder Coating	Epoxy Powder Coating
Particle Removal	5 (µm)	1 (µm)	0.01 (µm)	0.01 (µm)
Max. Oil carryover	5 (mg/m <sup>3</sup> )	0.5 (mg/m <sup>3</sup> )	0.01 (mg/m <sup>3</sup> )	*Removes odour
Max. Working Temp.	80°C	80°C	80°C	80°C
Initial Pressure Loss	0.03 (kg/cm <sup>2</sup> )	0.06 (kg/cm <sup>2</sup> )	0.1 (kg/cm <sup>2</sup> )	0.06 (kg/cm <sup>2</sup> )
Pressure Drop for Element Change	0.4 (kg/cm <sup>2</sup> )	0.4 (kg/cm <sup>2</sup> )	0.4 (kg/cm <sup>2</sup> )	0.4 (kg/cm <sup>2</sup> )
Element End Cap Colour	Green	Red	Yellow	Black

\*Use Y-element to remove oil aerosols before A-element

**Our Other Range of Products**

- Timer based Auto Drain Valve - Level Sensing Auto Drain Valve - Desiccant Dryer (Heatless)
- Desiccant Dryer (Heated) - Refrigeration Dryers
- Oxygen & Nitrogen Generators

## Reach Pneumatics

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