

- Very low installation clearance - Install anywhere
- Oil Removal (Coalescing) and Particulate
- Flow from 20 to 1810 m<sup>3</sup>/hour
- Particle Removal 0.01 (µm)



Submicron Filters

**Cleansweep**

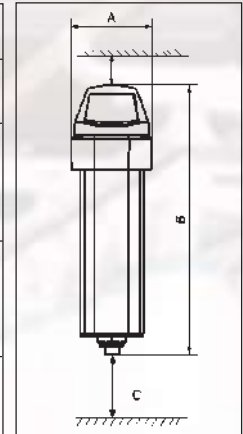
Complete filtration solution

## 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 20	P X Y A	PF248 PF248A PF248B PF248C	PF255 PF255A PF255B PF255C	¼"	20	16	63	261	50
T 100	P X Y A	PF149 PF149A PF149B PF149C	PF150 PF150A PF150B PF150C	½"	100	16	87	294	50
T 250	P X Y A	PF129 PF129A PF129B PF129C	PF128 PF128A PF128B PF128C	1"	250	16	114	399	50
T600	P X Y A	PF131 PF131A PF131B PF131C	PF130 PF130A PF130B PF130C	1½"	640	16	114	474	50
T851	P X Y A	PF167 PF167A PF167B PF167C	PF163 PF163A PF163B PF163C	2"	851	16	148	666	50
T1210	P X Y A	PF177 PF177A PF177B PF177C	PF164 PF164A PF164B PF164C	2"	1210	16	148	736	50
T1810	P X Y A	PF170 PF170A PF170B PF170C	PF165 PF165A PF165B PF165C	3"	1810	12	211	761	50



**Ordering Code : Example :** Model T100 X EA (or) T100 X IA X - Element Grade ; IA - Internal Automatic float drain  
T20 model available with gang mounting option 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	0.15 (kg/cm <sup>2</sup> )	0.15 (kg/cm <sup>2</sup> )	0.15 (kg/cm <sup>2</sup> )	0.15 (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

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