High performance activated carbon adsorber

The activated carbon adsorption method is a proven solution for operational processes that depend on maximum reliability. Oil aerosols can be separated out of the air stream using a classic activated carbon adsorber resulting in high compressed air quality with residual oil content of up to 0.003 mg/m^3.

The adsorber offers

Optimum adsorption of oil vapours (hydrocarbons)
Optimised compressed air distribution across entire activated carbon bed
Easy installation and uncomplicated service life
Oil indicator for checking vessel saturation level

Type	Output		Dimensions mm			Connections	
	cfm	m^3/min	H	W	D	In	Out
ATC AP15	88	150	1140	508	404	1"	1"
ATC AP18	106	180	1300	508	404	1"	1"
ATC AP22	124	210	1420	508	404	1"	1"
ATC AP34	200	340	1416	460	606	1½"	1½"
ATC AP45	282	480	1566	460	606	1½"	1½"
ATC AP55	353	600	1976	460	606	1½"	1½"
ATC AP75	482	820	1686	582	732	2"	2"
ATC AP90	588	1000	1936	582	732	2"	2"
ATC AP110	706	1200	2086	582	732	2"	2"

An effective 3 stage process

1. Pre filtration — The compressed air must be pre filtered with both 1µ and a 0.01µ filters

2. Adsorption — The pre filtered compressed air is conveyed by the flow divided from the upper end of the adsorption vessel through the activated carbon. Physical adsorption forces initiate the agglomeration of the oil vapour to the large internal surface of the special activated carbon.

3. Post filtration — The compressed air reaches the 1 µ post filter at the lower end of the adsorption vessel after traversing the whole activated carbon bed for the final filtration of any particles still present.

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