

Drymec

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/m³.

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 AP155	911	1550	2112	698	578	DN 80	DN 80
ATC AP185	1088	1850	2117	749	629	DN 80	DN 80
ATC AP205	1206	2050	2127	800	680	DN 80	DN 80
ATC AP245	1440	2450	2325	865	803	DN 100	DN 100
ATC AP305	1794	3050	2340	926	803	DN 100	DN 100



An effective 3 stage process

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