

# 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/m<sup>3</sup>.

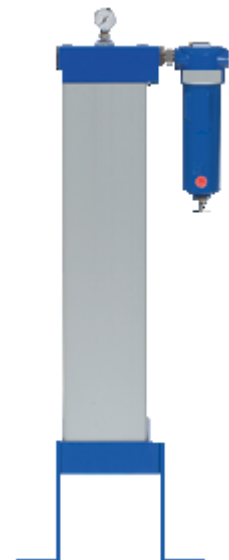
The adsorber offers

Optimum adsorption of oil vapours (hydrocarbons)

Optimised compressed air distribution across entire activated carbon bed

Easy installation and uncomplicated service life

Type	Output		Dimensions mm			Connections	
	cfm	m <sup>3</sup> /min	H	W	D	In	Out
ATC AP1	3	5	545	235	120	1/4"	3/8"
ATC AP2	6	10	645	235	120	1/4"	3/8"
ATC AP3	12	20	745	235	120	1/4"	3/8"
ATC AP4	21	35	832	291	160	3/8"	3/8"
ATC AP6	29	50	932	291	160	3/8"	3/8"
ATC AP7	35	60	1032	291	160	3/8"	1/2"
ATC AP8	24	70	924	363	180	1/2"	1/2"
ATC AP9	53	90	1064	363	180	1/2"	1/2"
ATC AP10	65	110	1244	363	180	1/2"	1/2"



An effective 3 stage process

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

DRYMEC Ltd.

Unit 4R Bramhall Moor Technology Park  
Pepper Road  
Hazel Grove  
Stockport SK7 5BW

Tel 0161 487 4747  
Fax 0161 487 3778  
[www.drymec.com](http://www.drymec.com)  
[sales@drymec.com](mailto:sales@drymec.com)