

ACTIVE CARBON TOWER

In many applications compressed air produced in the system is expected to meet the quality standards or classes in accordance with ISO 8573-1 norms. But unfortunately there is always oil in the system either in condensed or in vapor form due to the lubrication of the screw group of the compressor.

Airmaster ACT Series Activated Carbon Towers are designed to capture the oil vapor from the compressed air (dry type separation). ACT Series Towers are manufactured from high quality carbon steel pressurized tanks filled with activated carbon granules.

Flow-distributing diffusers inside the inlet and outlet connections of the tower are surrounded the carbon granule. Their purpose is to ensure an even and homogeneous distribution of air flow across the activated carbon bed. During the flow of compressed air through the activated carbon granules, oil vapor and some other hydrocarbons are separated due to the adsorption process and oil-free clean air is sent to the system. In order to ensure the perfect operation of the system, Airmaster PF Series Precision Oil Filter is installed at the tower inlet and Airmaster SF Series General Purpose 1 µm dust filter is installed as standard at the tower outlet. Airmaster Activated Carbon Towers ensure oil and odorless compressed air and continuous efficiency by removing the oil and odor from the system.

40 bar high pressure version is also available upon request.

MODEL CODE	FLOW RATE		CONNECTION
	M3 / Hr	Lt / Min	
ACT054	54	900	1/2"
ACT087	87	1.450	1/2"
ACT108	108	1.800	3/4"
ACT135	135	2.250	3/4"
ACT180	180	3.000	1"
ACT240	240	4.000	1"
ACT300	300	5.000	1 1/2"
ACT360	360	6.000	1 1/2"
ACT450	450	7.500	1 1/2"
ACT600	660	11.000	2"
ACT900	900	15.000	2"
ACT1200	1200	20.000	2"
ACT1800	1800	30.000	3" or DN80
ACT2400	2400	40.000	3" or DN80
ACT3000	3000	50.000	3" or DN80
ACT3600	3600	60.000	DN100
ACT4800	4800	80.000	DN125
ACT6000	6000	100.000	DN150

