

▶ MCT SERIES ACTIVATED CARBON TOWER

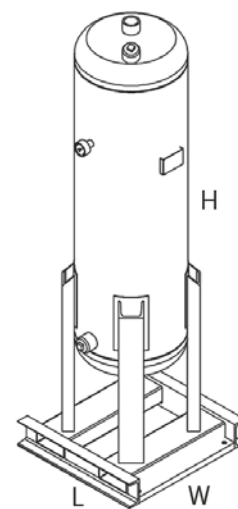
Many industries such as the electronic and hospital industries, pharmaceutical industries, food and beverage sectors require the removal of residual oil vapors and odors from the compressed air. Mikropor's solution for this application is the MCT Series activated carbon towers. With standard pre and after filters such as particulate filters, water coalescers and oil coalescers, the oil content inside the compressed air can be reduced to 0.01 mg/m^3 (0.01 ppm) for applications of EXTREME air quality such as hospital, pharmaceutical industries, or food and beverage industries, the residual oil content may need to be reduced to 0.003 mg/m^3 (0.003 ppm). MCT filters such as Mikropor activated carbon G series, GO series, F series filters or MCT activated carbon towers are a must for these types of applications.

Correction Factor

Operating Pressure (bar)	PSI	Correction Factor
1	15	0.5
3	44	0.71
5	73	0.87
7	100	1
9	131	1.12
10	145	1.15



Max. Recommended Operating Temperature	Max. Oil Carryover at 21°C (mg/m^3)	Max. Working Pressure
50°C	0.003°C	10 bar



Technical Specifications

Model	Connection Size	Flow Rate (m ³ /h)	Max. Working Pressure (bar)	Activated Carbon (kg)	Housing Dimensions (mm)		
					Length	Width	Height
MCT130	1"	130	10	14	347	450	1172
MCT185	1"	185	10	20	450	563	1413
MCT250	1"	250	10	28	430	601	1370
MCT300	1 1/2"	300	10	37	500	649	1336
MCT360	1 1/2"	360	10	37	500	649	1336
MCT440	1 1/2"	440	10	46	500	648	1536
MCT575	1 1/2"	575	10	56	469	604	1733
MCT680	2"	680	10	74	550	540	1936
MCT850	2"	850	10	97	580	600	1957
MCT1000	2"	1000	10	128	657	638	1617
MCT1250	DN80	1250	10	149	708	880	2400
MCT1500	DN80	1500	10	167	708	880	2558
MCT1800	DN80	1800	10	210	810	980	2423
MCT2200	DN80	2200	10	262	810	1100	2600
MCT2700	DN80	2700	10	320	910	1100	2758
MCT3200	DN100	3200	10	356	866	1050	3023
MCT3600	DN100	3600	10	400	866	1050	3237
MCT4400	DN100	4400	10	537	1130	1250	2914
MCT5000	DN100	5000	10	624	1130	1310	3420
MCT6300	DN150	6300	10	754	1230	1230	3365
MCT7200	DN150	7200	10	845	1430	1430	3075
MCT8800	DN150	8800	10	1009	1430	1430	3369
MCT10800	DN200	10800	10	1148	1430	1430	3863

Given flows are at 7 barg pressure with reference to 20°C and 1 bar atmospheric air suction as per ISO7183.