Activated Carbon Towers

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NitroxTec Activated Carbon Towers are designed to separate oil vapor from the compressed air. There are flow distribution diffusers at the entrance and exits of the tower. It is designed by paying attention to the equal and homogeneous distribution of the air flow of activated carbon in the system. There is condensed or damaged oil in the form of vapor or steam leaking from the compressors therefore activated carbon is one of the best materials used to purify air, water and oil all over the World.

NitroxTec activated carbon towers have been developed to separate oil vapors from compressed air. To ensure perfect operation of the system, a special oil trap filter manufactured to Worldwide standards is mounted at the tower inlet. Special products can be achieved according to any production needs.

Since high levels of air quality are needed in sectors using superior technology such as hospital, food and beverage, aluminum and metal sectors that require air quality, it is necessary to use activated carbon towers. Activated Carbon Towers contain oil and gas in compressed air. By removing the odor from the system, oil-free and odor-free compressed air is obtained. Designed and manufactured for reliability and sustainable effi ciency. Solutions suitable for all needs with our activated carbon towers.

AdvantageS:

An air filter complying with European standards has been applied.
It has an automatic and reliable operating system.
Maximum performance is provided with low power consumption.
With silencer at the discharge air outlet to reduce the noise level is equipped.
With the help of electronically operated discharge valves and special filters are integrated into the system to remove water, oil mist and dust particles .

Activated Carbon Towers Features

- Removes oily odor and oil mist from compressed air.
- At the outlet of the activated carbon tower Provides oil vapor amount less than 0,003 ppm.
- Thanks to its special design, it prevents the movement of the bed and carbon degradation/ pollution.
- Thanks to an optional oil gauge which checks the oil level to indicate the air being clean by measuring its flow.
- Thanks to self-supporting floor mounting it is easy to install and assemble.
- With the high quality activated carbon made in Germany the efficient and sustainable pure air is achieved which guarantees its purity.
- Inlet air temperature range: 1,5 °C to 50 °C
- High pressure models can be designed according to your needs.

Activated Carbon Towers

- **-0Pmax :** 200 mbar.
- **Working Pressure:** Max. for 16 bar models. Max.40 bar for 16-bar 40 bar pressure models
- **Compressed Air Flow Rate:** 20 °C (1 bar free normal air) (ISO1217)
- **Output Oil Concentration:** 0,003 mg/m³
- **Service Life Max..** ~ 8.000 hours at 30 °C 4,000 hours at 45 °C
- **Standard accessories:**
- **At the inlet:** 1 micron oil filter
- **Output:** 1 micron dust filter

ACTIVE CARBON TOWER FILTERS

MODEL NO	m³/ minute	m³/ hour	DIAMETER CONNECTION SIZE BSP FEMALE	DIMENSIONS "mm"		WEIGTH kg	WEIGTH kg
				WIDTH	HEIGHT	16 BAR	40 BAR
NCT-0.3	0,30	24	¼"	270	690	10	15
NCT-0.5	0,50	30	¼"	300	950	20	30
NCT-0.8	1,00	48	½"	380	1110	25	40
NCT-1	1,20	60	½"	385	1240	30	50
NCT-1.2	1,50	72	½"	400	1280	35	55
NCT-1.6	2,17	90	¾"	440	1310	40	65
NCT-2.1	2,67	130	¾"	430	1640	45	70
NCT-2.6	3,20	160	1"	460	1380	50	80
NCT-3.2	4,17	185	1"	480	1590	60	95
NCT-4.1	5,00	250	1"	480	1860	70	110
NCT-5	6,00	300	1 ½"	530	1550	85	135
NCT-6	7,33	360	1 ½"	530	1780	100	160
NCT-7.30	7,33	440	1 ½"	610	1720	120	190
NCT-9.50	9,58	575	1 ½"	610	1840	150	240
NCT-11	11,33	680	2"	610	1960	200	320
NCT-14	14,17	850	2"	590	2210	250	400
NCT-16	16,67	1000	2"	700	1910	300	480
NCT-20	20,83	1250	2"	700	2110	370	600
NCT-25	25,00	1500	2 ½"	740	2360	450	720
NCT-30	30,00	1800	3"	740	2375	520	830
NCT-36	36,67	2200	DN80	920	2125	600	960
NCT-45	45,00	2700	DN80	740	2255	650	1040
NCT-53	53,33	3200	DN100	740	2250	750	1200
NCT-60	60,00	3600	DN100	750	2010	800	1280
NCT-73	73,33	4400	DN100	1100	1950	900	1440
NCT-83	83,33	5000	DN150	750	2090	1000	1600
NCT-105	105,00	6300	DN150	750	2090	1100	1760
NCT-120	120,00	7200	DN150	900	2000	1250	2000
NCT-146	146,67	8800	DN150	900	2080	1500	2400
NCT-180	180,00	10800	DN200	900	2250	1750	2800