

### ACTIVATED CARBON TOWER

Many industries such as electronics, medical, pharmaceutical, food and beverage require the removal of the residual oil vapors and odors from the compressed air efficiently. DACT series of activated carbon towers ensures oil mist and odor removal from compressed air.



With standard pre and after filters such as particulate filters, water coalecers and oil coalecers the oil content inside the compressed air can be reduced to  $0.01 \text{ mg/m}^3$  (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  $0.003 \text{ mg/m}^3$  (0.003 ppm). DACT filters such as Dalgakiran activated carbon G series, GO series, F series filters or DACT activated carbon towers are a must for such kind of applications.

# DACT Series

## Activated Carbon Tower

DALGAKIRAN

### TECHNICAL DATA

MODEL	Capacity		Connection Size	Maximum Working Pressure	Maximum Working Temperature	Dimensions (mm)		
	m <sup>3</sup> /min	cfm		bar	°C	Length	Width	Height
DACT 130	2,17	77	1"	10	25	347	450	1172
DACT 185	3,08	109	1"	10	25	450	563	1413
DACT 250	4,17	147	1"	10	25	430	601	1370
DACT 300	5,00	177	1 ½"	10	25	500	649	1336
DACT 360	6,00	212	1 ½"	10	25	500	649	1336
DACT 440	7,33	259	1 ½"	10	25	500	648	1536
DACT 575	9,58	338	2"	10	25	469	604	1733
DACT 680	11,3	400	2"	10	25	550	540	1936
DACT 850	14,2	500	2"	10	25	580	600	1957
DACT 1000	16,7	589	DN 80	10	25	657	638	1617
DACT 1250	20,8	736	DN 80	10	25	708	880	2400
DACT 1500	25,0	883	DN 80	10	25	708	880	2558
DACT 1800	30,0	1059	DN 80	10	25	810	980	2423
DACT 2200	36,7	1295	DN 80	10	25	810	1100	2600
DACT 2700	45,0	1589	DN 100	10	25	910	1100	2758
DACT 3200	53,3	1883	DN 100	10	25	866	1050	3023
DACT 3600	60,0	2119	DN 100	10	25	866	1050	3237
DACT 4400	73,3	2589	DN 150	10	25	1130	1250	2914
DACT 5000	83,3	2943	DN 150	10	25	1130	1310	3420
DACT 6300	105,0	3708	DN 150	10	25	1230	1410	3365
DACT 7200	120,0	4237	DN 150	10	25	1430	1575	3075
DACT 8800	146,7	5179	DN 150	10	25	1430	1575	3369
DACT 10800	180,0	6356	DN 200	10	25	1430	1650	3863

- DALGAKIRAN reserves its rights to change the specifications without any prior notice.

Operating Pressure (bar)	1	3	5	7	9	10
PSIG	15	44	73	100	131	145
Correction Factor	0,5	0,71	0,87	1	1,12	1,15

#### DACT Activated Carbon Tower Sizing Example;

If a compressor delivers 100 m<sup>3</sup>/min at 5 bar please choose your Filter model as follow:

100 m<sup>3</sup>/min / 0,87=115 m<sup>3</sup>/min your model is DACT 7200.