GDFT Activated Carbon Tower Range

Delivering oil-free high quality air

Delivering “oil-free air” from oil-lubricated and oil-free compressors

Manufactured by Gardner Denver, the activated carbon tower practically eliminates all oil vapour and hydrocarbon odors from your operations. They are available in two configurations – aluminium extrusion and fabricated tank, are supplied with dust post-filter and are easy to maintain.

In critical applications like food and pharmaceutical production where oil content ISO8573-1 Class 1 air or better is crucial, this carbon adsorption technology helps achieve the highest quality “technically oil-free air”.

Extruded aluminium units are up to model GDFT58L and are lightweight (GDFT5 can be wall-mounted). As per the tank configuration, they can be used in compressed air systems or at the point of use. Rightsizing units with corrective factors ensures consistent outlet air quality over 12 months of continuous operations.

This activated carbon tower is a cost-effective, adaptable solution to your oil-free compressed air requirements from the experts at Gardner Denver.

GDFT Activated Carbon Tower benefits are your advantages:

Unparalleled Air Quality Guaranteed

Gardner Denver’s carbon tower offers you Class 1 air or better “technically oil-free air” when used with GDFT filters, 0.003 mg/m^3 remaining oil content represents Class 0 air.

No expensive cartridges

Unique loose-fill adsorbent carbon filtration is much more cost-efficient than cartridges for a lower total cost of ownership (TCO). Helps to protect the environment avoiding cartridge waste.

Flexible application

The carbon tower can be used with oil-lubricated or oil-free compressors, either at the point of use or as an air system component.

Max. remaining
oil content of 0.003 mg/m^3
effectively delivering Class 0
air quality when used with in-line
standard high efficiency grade filter.

Technical Data

Model	Part Number (CCN)	Flow capacity		Pressure	Dimension (mm)			In/out connection	Weight
		m^3/h	m^3/min	bar g	A	B	C	inch (")	kg
GDFT5L	47745965001	30	0.50	14	749	212	143	3/8"	8
GDFT12L	47745966001	75	1.25	14	890	267	255	3/4"	20
GDFT18L	47745967001	110	1.83	14	1090	267	255	3/4"	24
GDFT25L	47745968001	150	2.50	14	1440	267	255	1"	32
GDFT30L	47745969001	180	3.00	14	1640	267	255	1"	35
GDFT58L	47745970001	350	5.83	14	1660	447	255	1-1/2"	70
GDFT100L	47745971001	600	10.00	15	2113	391	391	2"	115
GDFT166L	47745972001	1000	16.67	15	2148	436	436	2"	157
GDFT260L	47745973001	1560	26.00	15	2463	483	483	3"	222
GDFT383L	47745974001	2300	38.33	15	2693	595	595	3"	379
GDFT466L	47745975001	2800	46.67	13	2879	721	721	DN100 PN40	456
GDFT950L	47745976001	5700	95.00	13	3455	855	855	DN150 PN40	900

ICT Correction factors

°C/bar g	4	5	6	7	8	9	10	11	12	13	14	15
25°C	0.63	0.75	0.88	0.88	1	1	1	1.14	1.14	1.14	1.25	1.25
30°C	0.63	0.75	0.88	0.88	1	1	1	1.14	1.14	1.14	1.25	1.25
35°C	0.63	0.75	0.88	0.88	1	1	1	1.14	1.14	1.14	1.25	1.25
40°C	0.55	0.66	0.77	0.77	0.88	0.88	0.88	1	1	1	1.11	1.11
45°C	0.45	0.54	0.63	0.63	0.72	0.72	0.72	0.81	0.81	0.81	0.9	0.9
50°C	0.32	0.39	0.45	0.45	0.52	0.52	0.52	0.58	0.58	0.58	0.65	0.65

Calculation for correct Activated Carbon Tower Air flow
= Nominal Activated Carbon Tower Air Flow x Correction Factor

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For additional information please contact
Gardner Denver or your local representative.

Specifications subject to change without notice.