



Activated carbon towers

FIMA activated carbon towers (ACT) have been developed for removing oil vapors and the oily smell associated with compressed air. ACT series is made in high quality carbon steel. Large carbon beds ensure sufficient contact time and reduce oil vapor content to 0.01 ppm w/w.



ACT 025

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Activated Carbon Towers

Model	Flow rate*			Pipe size	Dimensions	Weight
	L/min	CFM	M3/h	Inch	mm	Kg
ACT 01	100	3,5	6	3/8	130 x 164 x 492	4
ACT 02	200	7,1	12	3/8	130 x 164 x 687	5,5
ACT 04	400	14,1	24	3/8	130 x 164 x 1077	8,2
ACT 06	600	21,2	36	3/8	130 x 164 x 1466	11,1
ACT 010	1000	35,3	60	1/2	160 x 212 x 1082	17,4
ACT 013	1250	44,1	75	1/2	160 x 212 x 1277	20,3
ACT 018	1750	61,8	105	1/2	160 x 212 x 1677	26
ACT 019	1833	64,7	110	1	252 x 350 x 1522	45
ACT 025	2500	88,3	150	1	252 x 350 x 1766	52
ACT 033	3333	117,7	200	1	303 x 400 x 1532	71
ACT 043	4333	153	260	1	303 x 400 x 1784	83
ACT 053	5333	188,3	320	1.1/2	357 x 450 x 1551	97
ACT 070	6833	241,3	410	1.1/2	357 x 450 x 1798	114
ACT 100	9833	347,3	590	1.1/2	424 x 650 x 1893	160
ACT 130	12833	453,2	770	2	468 x 650 x 1877	201
ACT 167	16667	588,6	1000	2	506 x 650 x 1961	242
ACT 200	20000	706,3	1200	DN50	550 x 550 x 2170	280
ACT 250	25000	882,9	1500	DN65	700 x 700 x 2330	420

*At 7 Barg (P) / 20 °C (T)
Outlet air temperature approx. + 10 °C above the ambient temperature

Dimension: Length x Depth x Height

CORRECTION FACTORS



Operating pressure correction factors (P)

<i>Operating pressure (Bar)</i>	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<i>Operating pressure (Psi)</i>	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
<i>Correction factor</i>	0,38	0,50	0,63	0,75	0,88	1,00	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13



Operating temperature correction factor (T)

<i>Inlet temperature (°C)</i>	20	25	30	35	40	45	50	55	60
<i>Correction factor</i>	1,00	0,98	0,97	0,92	0,86	0,75	0,60	-	-