TAC SERIES

ACTIVATED CARBON TOWER

16 bar
operating pressure

1,5 to 45 °C
inlet air temperature range

3/8" to DN125
connections

6 to 6500 Nm³/h
flow rate

RAL 9005
standard colour

DESCRIPTION

TAC activated carbon towers have been developed for separating oil vapours from compressed air (dry type separation).

TAC series is made from high quality carbon steel. Flow distributors ensure uniform distribution of air flow through activated carbon bed. Oil vapours as well as some other hydrocarbons are separated due to adsorption process.

Super fine coalescing filter is required upstream TAC and 1µm dust filter is recommended downstream to intercept activated carbon dust.
High pressure version is available on request.

Stainless steel version available on request.

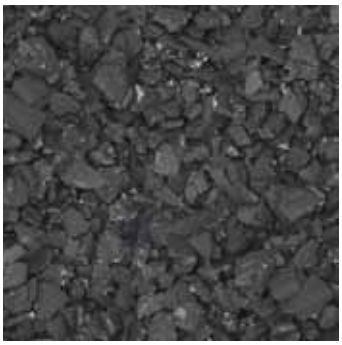
Fluid group 1 on request.

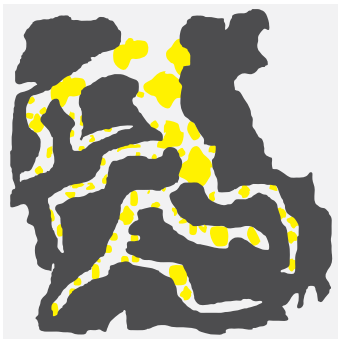
APPLICATIONS

- Automotive
- Electronics
- Food and beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial application

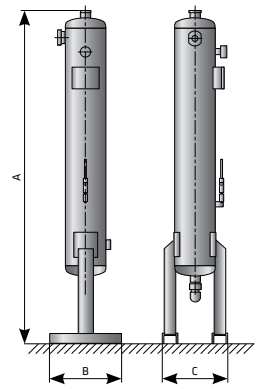
TACm

TAC

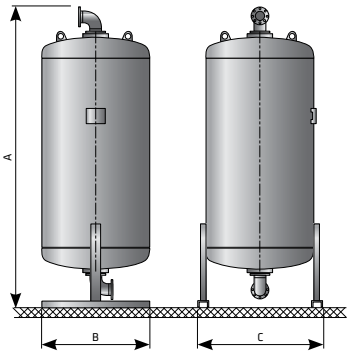




TECHNICAL DATA									
Type	Pipe size	Operating pressure	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]			Mass	Cartridge number
		bar	Nm³/h	scfm	A	B	C	kg	
TACm 6	3/8"	16	6	3,5	404	188	100	3,5	1 x ø80
TACm 12	3/8"	16	12	7	638	188	100	5,3	2 x ø80
TACm 23	3/8"	16	24	14,1	1.106	188	100	6,5	4 x ø80
TACm 35	3/8"	16	36	21,1	1.574	188	100	12	6 x ø80
TACm 56	1/2"	16	60	35,3	1.106	270	148	15	4 x ø129
TACm 70	1/2"	16	75	44,1	1.340	270	148	18	5 x ø129
TACm 105	1/2"	16	105	61,8	1.808	270	148	22	7 x ø129
TAC 110	1"	16	110	86	1.522	350	252	45	-
TAC 150	1"	16	150	117	1.766	350	252	52	-
TAC 200	1"	16	200	157	1.532	400	303	71	-
TAC 250	1"	16	260	204	1.784	400	303	83	-
TAC 300	1 1/2"	16	320	251	1.551	450	357	97	-
TAC 400	1 1/2"	16	410	321	1.798	450	357	114	-
TAC 600	1 1/2"	16	590	462	1.893	650	424	160	-
TAC 800	2"	16	770	603	1.877	650	468	201	-
TAC 1000	2"	16	1.000	784	1.961	650	506	242	-
TAC 1200 F	DN50	16	1.200	936	2.170	550	550	280	-
TAC 1500 F	DN65	16	1.500	1.170	2.210	620	620	355	-
TAC 2000 F	DN65	16	2.000	1.560	2.330	700	700	420	-
TAC 2500 F	DN80	16	2.500	1.950	2.260	760	760	510	-
TAC 3000 F	DN80	16	3.000	2.340	2.400	800	800	595	-
TAC 3750 F	DN100	16	3.750	2925	2.490	920	920	745	-
TAC 5000 F	DN100	16	5.000	3.900	2.600	1.050	1.050	960	-
TAC 6500 F	DN125	16	6.500	5.070	2.730	1.150	1.150	1.300	-



TAC



TAC F

quality class - solids (ISO 8573-1)	-
quality class - water (ISO 8573-1)	-
quality class - oils (ISO 8573-1)	0/1
pressure drop - new element-dry [mbar / psi]	20 / 0,29
filter media	act. carbon
residual oil vapour content (nominal) [mg/m³]	<0,003

CORRECTION FACTORS															
Operating pressure [bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction factor	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,0	2,13

CORRECTION FACTORS						
Operating temperature [°C]	20	25	30	35	40	45
Correction factor	1	0,98	0,97	0,92	0,86	0,75

Replace activated carbon every 12 months or sooner if required. Check residual oil content with oil indicator monthly.

omega air

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