

ACTIVATED CARBON TOWER

Ultra-Sorp AKC



The activated carbon adsorber is designed to ensure oil- and odourfree compressed air.

Compressed air is lead through and activated carbon bed and ensures a residual oil content of < 0,003 ppm.

The residual oil ontent depends on the inlet conditions. A residual oil content of < 0,003 ppm is related to an operating pressure of 7 bar (g), 35°C inlet temperature, and pre-dried compressed air with a dewpoint of -40°C, as well as a prefiltration of particles < 0,03 mg/m3.

Technical Data

 4 to 16 bar

 Max. 50°C

 50 - 9500 m³/h

Features & Benefits

Operating lifetime: 8000 hours

Residual oil content: < 0,003 ppm

Model	Flow m³/h	Connection in/out	Dimensions (mm)		
			Height	Width	Depth
AKC 0050	50	¾"	320	350	1200
AKC 0080	80	¾"	320	350	1550
AKC 0100	100	1"	320	350	1500
AKC 0150	150	1"	440	450	1850
AKC 0175	175	1"	440	450	1760
AKC 0225	225	1½"	440	450	1760
AKC 0300	300	1½"	440	450	1750
AKC 0375	375	1½"	550	600	2050
AKC 0550	550	2"	550	600	2000
AKC 0650	650	2"	550	600	2010
AKC 0850	850	2"	750	600	2020
AKC 1000	1000	2"	750	600	2060

Correction factor:

Operating pressure	bar	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor	K1	0,63	0,75	0,88	1,00	1,10	1,20	1,35	1,44	1,50	1,60	1,75	1,86	2,00
Inlet temperature	°C	35	40	45	50									
Correction factor	K2	0,80	1,00	1,25	1,50									