

0,58-1360  
Nm<sup>3</sup>/min

14-50  
bar



## CARBOLESCERS

Oil in aerosol form and oil mist lower the quality of the compressed air and can damage pneumatic equipment. The patented Carbolescer can eliminate both the aerosol and mist forms of oil. It consists of a pleated separator layer, a carbon layer, and a particulate layer. The pleated separator layer removes the aerosol form of oil. When oily compressed air enters the unit, the oil droplets coalesce and run down the filter medium. The collected liquid oil is automatically drained off. The pleated separator filters out oil contaminants as small as 0.01 microns. In addition to the pleated separator, the activated carbon layer adsorbs oil mist. The oil mist is physically retained by the activated carbon granules and as a result, the oil content can be reduced to 0.003 ppm. The final particulate filter layer actively removes carbon dust and maintains the quality of the compressed air.

### Advantages

- Very low pressure drops
- Remaining oil aerosol content no more than 0.003 ppm
- Equal air distribution
- Long service life
- User-friendly replacement procedure
- Oil indicator

#### MAX. OPERATING PRESSURE (16 BAR)

OPERATING PRESSURE (BAR)	1	3	5	7	9	11	13	14
CORRECTION FACTOR	0,5	0,71	0,87	1	1,12	1,22	1,32	1,38

#### MAX. OPERATING PRESSURE (40 BAR)

OPERATING PRESSURE (BAR)	4,5	5	6	7	8	9	10	11	12	13	14	15	16	25	30	35	40
CORRECTION FACTOR	0,69	0,75	0,88	1	1,12	1,25	1,37	1,5	1,62	1,74	1,87	1,99	2,11	2,52	3	3,52	4

Model	Max. Remaining Oil Aerosol Content @ 21°C	Recommended Capacity @ 7 barg	Max. Operating Pressure	Connection Size Inlet-Outlet	Length	Height
	ppm	(Nm <sup>3</sup> /min)	(barg)		(mm)	(mm)
HELM-C G100-16	0,003	0,58	16	G 1/2"	102	302
HELM-C G150-16	0,003	0,75	16	G 1/2"	123	352
HELM-C G200-16	0,003	0,83	16	G 1"	123	412
HELM-C G250-16	0,003	1,16	16	G 1"	123	454
HELM-C G300-16	0,003	1,41	16	G 1 1/2"	123	507
HELM-C G500-16	0,003	1,66	16	G 1 1/2"	123	537
HELM-C G600-16	0,003	2,16	16	G 1 1/2"	123	583
HELM-C G850-16	0,003	2,83	16	G 1 1/2"	160	668
HELM-C G1210-16	0,003	3,33	16	G 2"	160	740
HELM-C F150-14	0,003	4,25	14	DN 50	500	1065
HELM-C F300-14	0,003	8,50	14	DN 50	500	1165
HELM-C F600-14	0,003	17	14	DN 50	500	1523
HELM-C F800-14	0,003	22,66	14	DN 80	500	1743
HELM-C F1200-14	0,003	34	14	DN 80	600	1606
HELM-C F1600-14	0,003	45,33	14	DN 80	600	1747
HELM-C F2100-14	0,003	59,50	14	DN 100	700	1651
HELM-C F2750-14	0,003	77,91	14	DN 100	700	1798
HELM-C F4200-14	0,003	119	14	DN 150	800	1750
HELM-C F6000-14	0,003	170	14	DN 150	800	1997
HELM-C F8000-14	0,003	226,66	14	DN 200	850	2095
HELM-C F10000-14	0,003	283,33	14	DN 250	1000	2208
HELM-C F12000-14	0,003	340	14	DN 300	1000	2775

Model	Max. Remaining Oil Aerosol Content @ 21°C	Recommended Capacity @ 7 barg	Max. Operating Pressure	Connection Size Inlet-Outlet	Length	Height
	ppm	(Nm <sup>3</sup> /min)	(barg)		(mm)	(mm)
HELM-C G15-50	0,003	1,41	50	DN 15	120	200
HELM-C G25-50	0,003	2,83	50	DN 25	140	360
HELM-C G50-50	0,003	5,66	50	DN 50	140	360
HELM-C G75-50	0,003	8,50	50	DN 75	140	360
HELM-C G100-50	0,003	11,33	50	DN 100	180	380
HELM-C G125-50	0,003	14,16	50	DN 125	180	380
HELM-C F150-40	0,003	17	40	DN 50	500	1065
HELM-C F300-40	0,003	34	40	DN 50	500	1165
HELM-C F600-40	0,003	68	40	DN 50	500	1523
HELM-C F800-40	0,003	90,66	40	DN 80	500	1743
HELM-C F1200-40	0,003	136	40	DN 80	600	1606
HELM-C F1600-40	0,003	181,33	40	DN 80	600	1747
HELM-C F2100-40	0,003	238	40	DN 100	700	1651
HELM-C F2750-40	0,003	311,66	40	DN 100	700	1798
HELM-C F4200-40	0,003	476	40	DN 150	800	1750
HELM-C F6000-40	0,003	680	40	DN 150	800	1997
HELM-C F8000-40	0,003	906,66	40	DN 200	850	2095
HELM-C F10000-40	0,003	1133,33	40	DN 250	1000	2208
HELM-C F12000-40	0,003	1360	40	DN 300	1000	2775