

21-8000
cfm

35-13600
Nm³/min

203-232
psi



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.



Key Features

- 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 (232 psi)

OPERATING PRESSURE (bar)	14	43	75	101	130	159	188	2023
CORRECTION FACTOR	0,5	0,71	0,87	1	1,12	1,22	1,32	1,38

MAX. OPERATING PRESSURE (580 psi)

OPERATING PRESSURE (bar)	65	72	87	101	116	130	145	159	174	188	203	217	232	580
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	4

Model	Max. Remaining Oil Aerosol Content @ 69.8°F	Capacity		Max. Operating Pressure	Connection Size Inlet-Outlet	Length	Height
	ppm	Nm ³ /h	cfm	psi		in.	in.
HELM-US-C G100-16	0,003	35	21	232	1/2" NPT	4	15
HELM-US-C G150-16	0,003	45	26	232	1/2" NPT	5	17
HELM-US-C G200-16	0,003	50	29	232	1/2" NPT	5	20
HELM-US-C G250-16	0,003	70	41	232	1" NPT	5	21
HELM-US-C G300-16	0,003	85	50	232	1" NPT	5	23
HELM-US-C G500-16	0,003	100	59	232	1" NPT	5	25
HELM-US-C G600-16	0,003	130	76	232	1 1/2" NPT	5	26
HELM-US-C G851-16	0,003	170	100	232	1 1/2" NPT	6	30
HELM-US-C G1210-16	0,003	200	118	232	2" NPT	6	32
HELM-US-C F150-14	0,003	255	150	203	ANSI 2" Flange	20	42
HELM-US-C F300-14	0,003	510	300	203	ANSI 2" Flange	20	46
HELM-US-C F600-14	0,003	1020	600	203	ANSI 2" Flange	20	60
HELM-US-C F800-14	0,003	1360	800	203	ANSI 3" Flange	20	64
HELM-US-C F1200-14	0,003	2040	1200	203	ANSI 3" Flange	24	63
HELM-US-C F1600-14	0,003	2720	1600	203	ANSI 3" Flange	24	65
HELM-US-C F2100-14	0,003	3570	2100	203	ANSI 4" Flange	28	65
HELM-US-C F2750-14	0,003	4675	2750	203	ANSI 4" Flange	28	70
HELM-US-C F4200-14	0,003	7140	4200	203	ANSI 6" Flange	31	69
HELM-US-C F6000-14	0,003	10200	6000	203	ANSI 6" Flange	31	79
HELM-US-C F8000-14	0,003	13600	8000	203	ANSI 8" Flange	33	82

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