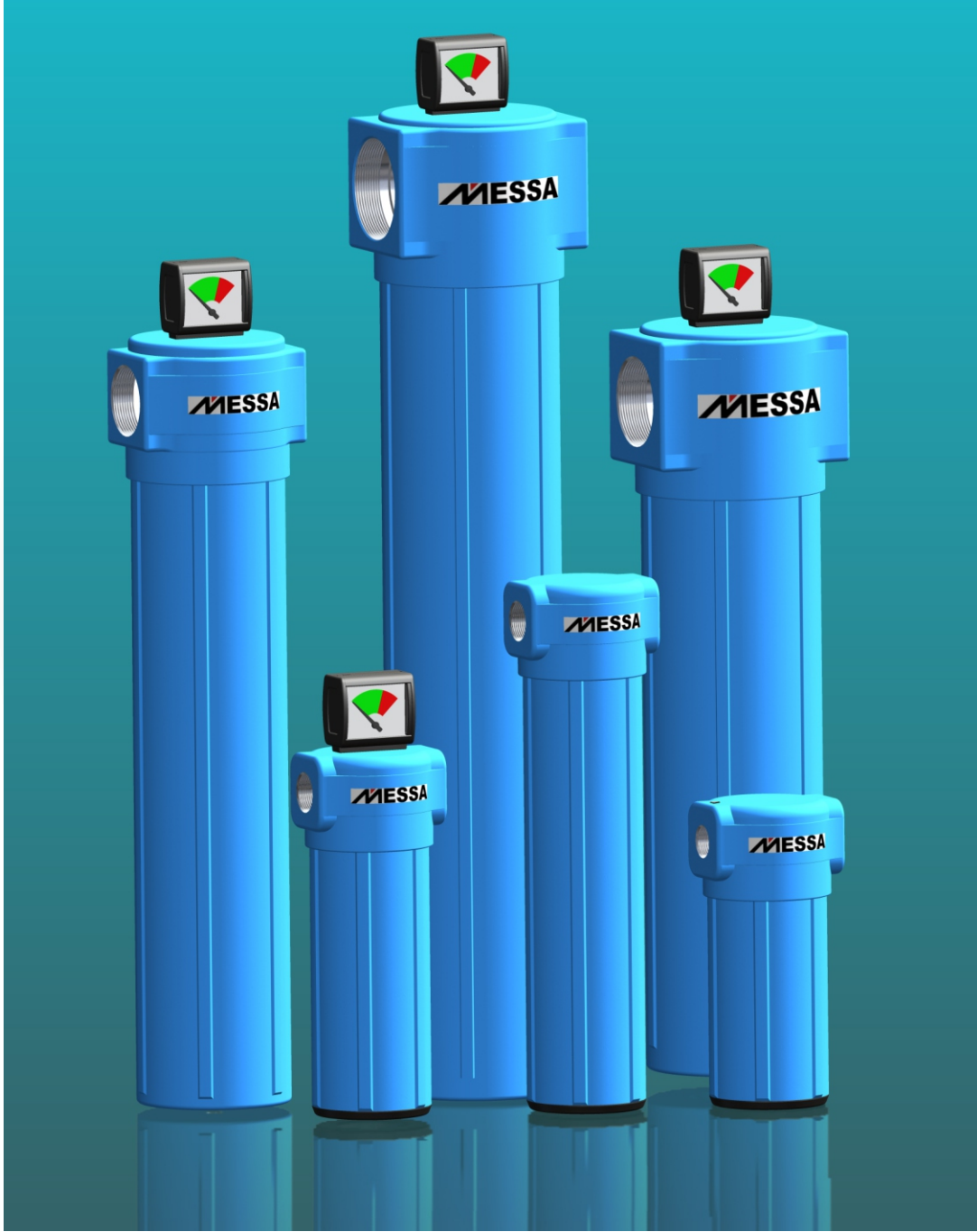


MESSA
FILTRATION & SEPARATION



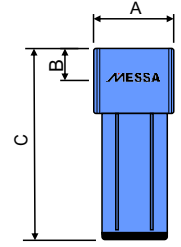
MHA

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COMPRESSED AIR FILTERS

Technical Specifications

Model	Capacity @7 barg		Connections	Maximum Working Pressure bar	Dimensions mm			Filter Element Model
	m3/h	m3/min			A	B	C	
MHA35	35	0,6	½"	16	90	25	156	E 35 (grade)
MHA65	65	1,1	½"	16	90	25	186	E 65 (grade)
MHA110	110	1,8	½"	16	90	25	231	E 110 (grade)
MHA160	160	2,7	¾"	16	118	35	252	E 160 (grade)
MHA220	220	3,7	1"	16	118	35	302	E 220 (grade)
MHA260	260	4,3	1"	16	118	35	372	E 260 (grade)
MHA330	330	5,5	1 ½"	16	118	42	417	E 330 (grade)
MHA530	530	8,8	1 ½"	16	118	42	457	E 530 (grade)
MHA630	630	10,5	1 ½"	16	118	42	497	E 630 (grade)
MHA930	930	15,5	2"	16	150	50	530	E 930 (grade)
MHA1230	1230	20,5	2"	16	150	50	650	E 1230 (grade)
MHA1500	1500	25	2 ½"	16	174	60	620	E 1500 (grade)
MHA1800	1800	30	3"	16	174	60	720	E 1800 (grade)
MHA2200	2200	36	3"	16	174	60	820	E 2200 (grade)
MHA2500	2500	42	3"	16	174	60	920	E 2500 (grade)



Filter Element Grades

GRADE	P	G	G01	H	D	C	DS
	Pre Filter	Coarse Filter	Fine Filter	Oil Filter/Ultra Fine Filter	Dust Filter	Active Carbon Filter	Anti-Bacterial Filter
	It filters solid particles and oil aerosols up to 5 microns and is also used as a pre-filter in G and H type filters.	It filters solid, water and oil particles down to 1 micron. The amount of oil remaining at the filter outlet is 1 mg/m3 at 20 degrees.	It filters solid, water and oil particles down to 0.1 micron. The amount of oil remaining at the filter outlet is 0.1 mg/m3 at 20 degrees.	Filters solid particles and oil aerosols down to 0.01 micron. The amount of oil remaining at the filter outlet is 0.01 mg/m3 at 20 degrees (G grade filter has to be used upstream).	It filters solid particles down to 0.01 micron.	It is used to filter oil vapor and hydrocarbon odor. The amount of oil remaining at the filter outlet is 0.003 mg/m3 at 21 degrees. (G and H grade filters has to be used upstream)	Filtration Efficiency is 99.99%
Particle filtration (micron)	5	1	0.1	0.01	0.01	N/A	0.01
Oil Content at the exit of the filter (mg/m3)	5	0.5	0.1	0.01	N/A	0.003	N/A
Maximum working temperature (degree)	80	80	80	80	80	30	80
Minimum working temperature (degree)	2	2	2	2	2	2	2
Pressure loss (dry, mbar)	30	80	80	100	100	100	100
Pressure loss (wet, mbar)	80	140	140	200	200	300	200
Filter change delta pressure (mbar)	700	700	700	700	700	1000 hours	700
Maximum inlet pressure (bar)	16	16	16	16	16	16	16
Minimum inlet pressure (bar)	2	2	2	2	2	2	2

Correction Factors

Pressure	bar g	2	4	5	6	7	8	9	10	12	14	16
	psi g	29	58	73	87	100	116	131	145	174	203	232
Correction Factor		0,53	0,75	0,85	0,92	1	1,07	1,13	1,2	1,31	1,41	1,5

Sample:
Working pressure: 10 bar
Capacity: 260 m³/h

Filter capacity=260 / 1,2=216,6 m3/h
MHA220... model filter

Compressed air quality to ISO8573.1

Class	Solid Particle			Water	Oil
	Maximum number of particles per m3	0,1-0,5 micron	0,5-1 micron	Dew point oC	mg/m3
1	100	1	0	-70	0,01
2	100000	1000	10	-40	0,1
3	10000	500	-20	1	
4		1000	3	5	
5		20000	7		
6			10		

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