

# MESSA

FILTRATION & SEPARATION

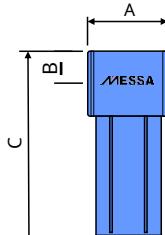


# MHA

COMPRESSED AIR FILTERS

technical specifications

Model	Capacity @7 barg		Connection		maximum Study pressure bar	Dimensions mm			Filter Element Model
	m3/hour	m3/hour	Standard	optional		A	B	C	
MHA35	35	0.6	1/4"	3/8"	16	90	25	156	E 35 (grade)
MHA65	65	1.1	3/8"	1/2"	16	90	25	186	E 65 (grade)
MHA110	110	1.8	1/2"	3/4"	16	90	25	231	E 110 (grade)
MHA160	160	2.7	3/4"	one"	16	118	35	252	E 160 (grade)
MHA220	220	3.7	one"	3/4"-1 1/4"	16	118	35	302	E 220 (grade)
MHA260	260	4.3	one"	1 1/4"	16	118	35	372	E 260 (grade)
MHA330	330	5.5	1 1/2"	1 1/4"	16	118	42	417	E 330 (grade)
MHA530	530	8.8	1 1/2"	1 1/4"	16	118	42	457	E 530 (grade)
MHA630	630	10.5	1 1/2"	1 1/4"	16	118	42	497	E 630 (grade)
MHA840	840	14	2nd"	1 1/2"	16	170	60	458	E 840 (grade)
MHA1260	1260	21	2nd"	-	16	170	60	558	E 1260 (grade)
MHA1500	1500	25	2 1/2"	3"	16	170	70	633	E 1500 (grade)
MHA1800	1800	30	3"	2 1/2"	16	170	75	738	E 1800 (grade)
MHA2200	2200	36	3"	2 1/2"	16	170	75	838	E 2200 (grade)
MHA2500	2500	42	3"	-	16	170	75	938	E 2500 (grade)



Filter element specifications

GRADE	P	G	H	D	C	
	Pre-Filtering Solid particles up to 5 microns and oil aerosols filters as well as G and H type filters. used as a pre-filter.	General Purpose Protection solids up to 1 micron, water and filters oil particles. The amount of oil remaining at the filter outlet 0.5 mg/m <sup>3</sup> @ 21 °C	Oil Trap Filter solid up to 0.01 micron particles and oil filters aerosols. The amount of oil remaining at the filter outlet 0.01 mg/m <sup>3</sup> @ 21 °C (G grade filter on the face where it is)	Solid Particle Filtration solid up to 0.01 micron particles filters.	Activated Carbon Filter oil mist and hydrocarbon in filtering odor Remaining at the filter output oil amount 0.003 mg/m <sup>3</sup> @ 21 °C. (In case there is a G and H grade filter in the eye)	
particulate filtering	micron	5	one	0.01	0.01	-
Oil quantity at outlet @ 21 °C	mg/m <sup>3</sup>	5	0.5	0.01	.....	0.003
Max operating temperature	°C	80	80	80	80	30
Minimum operating temperature	°C	2nd	2nd	2nd	2nd	2nd
Initial pressure drop (dry)	mbar	30	80	one hundred	one hundred	one hundred
Initial pressure loss (age)	mbar	80	140	200	200	300
Filter element distribution	mbar	700	700	700	700	1000 hours
Max input pressure	bar	16	16	16	16	16
Minimum input pressure	bar	2nd	2nd	2nd	2nd	2nd

Correction coefficients at different operating pressures

Pressure	bar g	2nd	4	5	6	7	8	9	10	12	14	16
	ps g	29	58	73	87	one hundred	116	131	145	174	203	232
Coefficient of Correction	0.53	0.75	0.85	0.92	one	1.07	1.13	1.2	1.31	1.41	1.5	

Sample:  
Operating pressure: 10  
bar Flow: 260 m<sup>3</sup> /h

Filter capacity=260 / 1.2=216.6 m3/hour  
MHA220... model filter is selected.

Compressed air quality ISO8573.1

Class	Solid Particle			This modern degree	Oil
	Maximum number of particles / m3	0.1-0.5 micron	0.5-1 micron		
one	one hundred	one	0	-70	0.01
2nd	100000	one thousand	10	-40	0.1
3		10000	500	-20	one
4				3	5
5			20000	7	
6				10	

- The filter body is made of high-quality aluminum alloy.
- The filter is epoxy painted to be resistant to internal corrosion.
- It can be used in compressed air systems with synthetic and mineral oil.
- Activated carbon filters do not have the feature of holding carbon dioxide and carbon monoxide.
- Please review our steel body filter brochure for high flow systems. **Additional parts:**
- Float automatic discharge valve, Electronic time adjustable discharge valve, Filter gauge indicator