

# MESSA

FILTRATION & SEPARATION



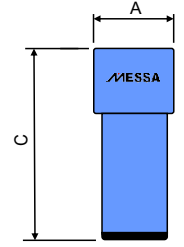
# A50HP

[www.messa.com.tr](http://www.messa.com.tr)

COMPRESSED AIR FILTER

## Technical Specifications

Model	Capacity m <sup>3</sup> /h @ 50 bar g	Pipe Connection	Dimensions mm		Filter Element Type
			A	B	
<b>A50HP180(grade)</b>	180	3/8"	98	150	EHP51180(grade)
<b>A50HP400(grade)</b>	400	1/2"	98	200	EHP51400(grade)
<b>A50HP610(grade)</b>	610	3/4"	98	240	EHP51610(grade)
<b>A50HP800(grade)</b>	800	1"	128	285	EHP51420(grade)
<b>A50HP1200(grade)</b>	1200	1"	128	335	EHP511200(grade)
<b>A50HP1800(grade)</b>	1800	1 1/2"	128	430	EHP511800(grade)
<b>A50HP3400(grade)</b>	3400	2"	150	520	EHP513400(grade)



## The Filter Element Specifications

<b>P</b>	<b>Pre- Filtration</b> Smaller than 5 m $\check{c}$ ron are fine particles such as dust and particularly oil aerosols which must be filtered out by a fine filter
<b>G</b>	<b>General Purpose Protection</b> For the removal at particles down to 1 m $\check{c}$ ron including coalesced liquid water and oil, providing a maximum remaining oil aerosol content of 0,5 mg/m <sup>3</sup> @ 21 $\check{c}$
<b>H</b>	<b>High Efficiency Oil Removal Filtration</b> For the removal at particles down to 0,01 m $\check{c}$ ron including water and oil aerosols, providing a maximum remaining oil aerosol content of 0,01 mg/m <sup>3</sup> @ 21 $\check{c}$
<b>D</b>	<b>Dust Filtration</b> For the removal of dust particles down to 0.01 micron
<b>C</b>	<b>Activated Carbon Filter</b> For the removal of oil vapour and hydrocarbon odours giving a maximum remaining oil content of 0,003 mg/m <sup>3</sup> @ 21 $\check{c}$

GRADE		P	G	H	D	C
Partical removal	micron	5	1	0.01	0.01	-
Maximum carryover @ 21 $\check{c}$	mg /m <sup>3</sup>	5	0.5	0.01	-----	0.003
Max. Recommended working temperature	$\check{c}$	65	65	65	65	30
Min. Recommended working temperature	$\check{c}$	2	2	2	2	2
Initial pressure drop (dry)	mbar	30	80	100	100	100
Initial pressure drop (wet)	mbar	80	140	200	200	300
Element change – out at	mbar	700	700	700	700	6 weeks
Max. Inlet pressure	bar	50	50	50	50	50
Min. Inlet pressure	bar	2	2	2	2	2
Filter media		High efficiency micro fiber glass				Activated Carbon
Housing material		High quality aluminum				

Working pressure barg	20	25	30	35	40	45	<b>50</b>
Correction factor	2.43	1,96	1,65	1,42	1,24	1,11	<b>1</b>

## Notes:

- The manual drain standard on all models.
- Activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide and carbon dioxide.
- The filters and filter elements are self one free.
- Contact factory for other operating pressure, higher capacities and special models.

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