FILTER ELEMENT - DHAO/M

(Particulate + Coalescing)

DESCRIPTION

AO/M grade filter elements have been specifically developed for high efficient removal of solid particles, oil aerosols and water from compressed air[(1)].

APPLICATIONS[(2)]

- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial application

[(1)]For any other technical gas please contact us or your local dealer
[(2)]AO/M grade filter element can be used in variety of applications. For applications not listed please contact us or your local dealer.

FILTER ELEMENT RATING ACCORDING TO ISO8573-1

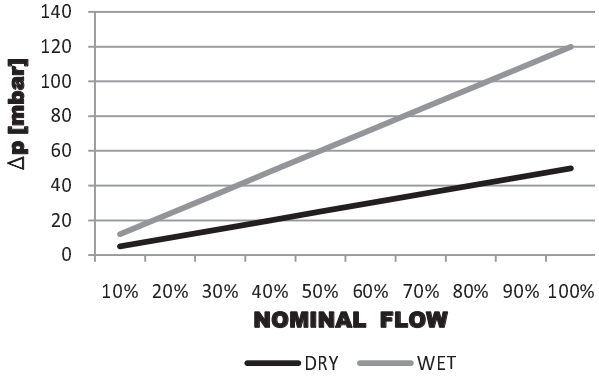
Solid particles	Water	Oil
Class 1	-	Class 2

Validated according to ISO12500-1 and ISO12500-3

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C	35 - 149 °F
Operating pressure	0 - 16 barg	0 - 232 psi
Differential pressure (dry)	50 mbar	0,725 psi
Differential pressure (wet)	120 mbar	1,740 PSI
Particle retention (nominal)	99,9999% (0,1 µm)	
Particle retention rate ISO[(3)]	99,99 %	
Residual oil content[(4)]	< 0,1mg/m^3	

[(3)]Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 M, Most penetrating particle size MPPS 0,3μm
[(4)]Tested according to ISO12500-1, 06050 M, Oil aerosol viscosity 32mm^2/s, inlet concentration 10mg/m^3



MATERIALS

Filter media	Borosilicate micro fibers,
Drainage media	Polyester
Support (inner-outer)	Stainless Steel 1.4301
Bonding	Polyurethane
Endcaps	PA6 with 30% glass fibers
Sealing	NBR

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SIZES

FILTER ELEMENT SIZE	DIMENSIONS [mm]	FLOW CAPACITY [Nm^3/h]	FLOW CAPACITY [scfm]	FITS INTO FILTER HOUSING
DHAO 009/M	Ø=36;h=75	32	19	FDH 009
DHAO 017/M	Ø=50;h=89	61	36	FDH 017
DHAO 030/M	Ø=50;h=126	108	64	FDH 030
DHAO 058/M	Ø=72;h=161	216	127	FDH 058
DHAO 145/M	Ø=72;h=270	288	170	FDH 080
DHAO 145/M	Ø=72;h=270	432	254	FDH 120
DHAO 145/M	Ø=72;h=270	522	307	FDH 145
DHAO 220/M	Ø=86;h=330	720	424	FDH 205
DHAO 220/M	Ø=86;h=330	792	466	FDH 220
DHAO 330/M	Ø=86;h=631	1188	700	FDH 330
DHAO 430/M	Ø=114;h=416	1440	848	FDH 400
DHAO 430/M	Ø=114;h=416	1548	911	FDH 430
DHAO 620/M	Ø=114;h=637	2232	1314	FDH 620

ø=Diameter;h=Height

CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s).
CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP}

OPERATING PRESSURE

[bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
C_{OP}	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

MAINTENANCE

Replace filter element at least once per year or when pressure drop reaches 350mbar.

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BUREAU VERITAS	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2000 Reg. number: 200285	

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FILTER ELEMENT - DHAA/S

(Particulate + Coalescing)

DESCRIPTION

AA/S grade filter elements have been specifically developed for high efficient removal of solid particles, oil aerosols and water from compressed air[(1)].

APPLICATIONS[(2)]

- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial application

[(1)]For any other technical gas please contact us or your local dealer
[(2)]AA/S grade filter element can be used in variety of applications. For applications not listed please contact us or your local dealer.

FILTER ELEMENT RATING ACCORDING TO ISO8573-1

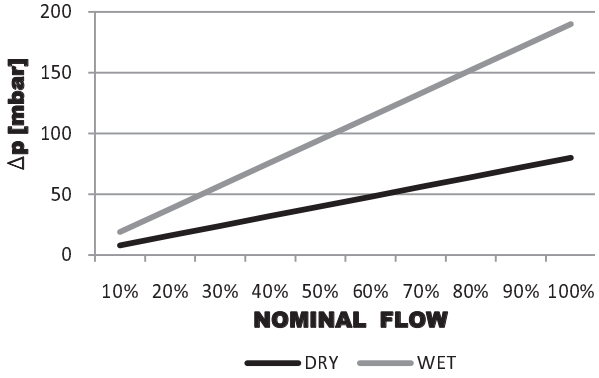
Solid particles	Water	Oil
Class 1	-	Class 1

Validated according to ISO12500-1 and ISO12500-3

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C	35 - 149 °F
Operating pressure	0 - 16 barg	0 - 232 psi
Differential pressure (dry)	80 mbar	1,160 psi
Differential pressure (wet)	190 mbar	2,756 PSI
Particle retention (nominal)	99,9999% (0,01 µm)	
Particle retention rate ISO[(3)]	99,9994 %	
Residual oil content[(4)]	< 0,01mg/m^3	

[(3)]Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 S, MPPS-(0,3μm)
[(4)]Tested according to ISO12500-1, 06050 S, Oil aerosol viscosity 32mm^2/s, inlet concentration 10mg/m^3



MATERIALS

Filter media	Borosilicate micro fibers,
Drainage media	Polyester
Support (inner-outer)	Stainless Steel 1.4301
Bonding	Polyurethane
Endcaps	PA6 with 30% glass fibers
Sealing	NBR

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SIZES

FILTER ELEMENT SIZE	DIMENSIONS [mm]	FLOW CAPACITY [Nm^3/h]	FLOW CAPACITY [scfm]	FITS INTO FILTER HOUSING
DHAA 009/S	Ø=36;h=75	32	19	FDH 009
DHAA 017/S	Ø=50;h=89	61	36	FDH 017
DHAA 030/S	Ø=50;h=126	108	64	FDH 030
DHAA 058/S	Ø=72;h=161	216	127	FDH 058
DHAA 145/S	Ø=72;h=270	288	170	FDH 080
DHAA 145/S	Ø=72;h=270	432	254	FDH 120
DHAA 145/S	Ø=72;h=270	522	307	FDH 145
DHAA 220/S	Ø=86;h=330	720	424	FDH 205
DHAA 220/S	Ø=86;h=330	792	466	FDH 220
DHAA 330/S	Ø=86;h=631	1188	700	FDH 330
DHAA 430/S	Ø=114;h=416	1440	848	FDH 400
DHAA 430/S	Ø=114;h=416	1548	911	FDH 430
DHAA 620/S	Ø=114;h=637	2232	1314	FDH 620

ø=Diameter;h=Height

CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s).
CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP} x C_{OT}

OPERATING PRESSURE

[bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
C_{OP}	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

MAINTENANCE

Replace filter element at least once per year or when pressure drop reaches 350mbar.

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FILTER ELEMENT - DHASC/A

(Adsorption - Activated carbon)

DESCRIPTION

DHASC/A grade filter elements have been specifically developed for high efficient removal of oil, hydrocarbons, vapours and odours from compressed air[(1)]. It is essential that coalescing filter element is installed as prefilter to DHASC/A grade filter.

APPLICATIONS[(2)]

- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial application

[(1)]For any other technical gas please contact us or your local dealer
[(2)]DHASC/A grade filter element can be used in variety of applications. For applications not listed please contact us or your local dealer.

FILTER ELEMENT RATING ACCORDING TO ISO8573-1

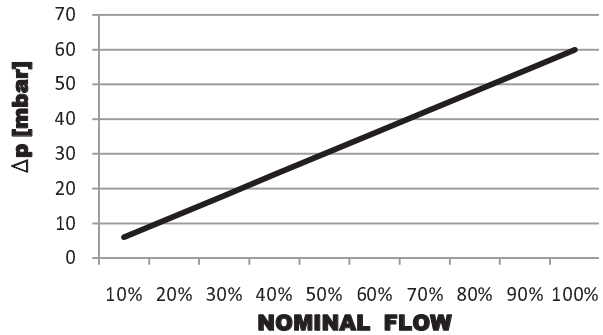
Solid particles	Water	Oil
-	-	Class 0/1

Validated according to ISO12500-2

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 45 °C	35 - 113 °F
Operating pressure	0 - 16 barg	0 - 232 psi
Differential pressure (dry)	60 mbar	0,870 psi
Residual oil content (nominal)	< 0,005mg/m^3	
Capacity (ISO12500-2)[(3)]	20 min	

[(3)]Tested according to ISO12500-2, 06050 A, tested with n-Hexane, test concentration 100mg/kg, 80% Saturation



MATERIALS

Adsorption media	Activated carbon granulate PES (Polyesteer),
Filter media	Glass fiber
Support (inner-outer)	Stainless Steel 1.4301
Bonding	Polyurethane
Endcaps	PA6 with 30% glass fibers
Sealing	NBR

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SIZES

FILTER ELEMENT SIZE	DIMENSIONS [mm]	FLOW CAPACITY [Nm^3/h]	FLOW CAPACITY [scfm]	FITS INTO FILTER HOUSING
DHASC 009/A	Ø=36;h=75	32	19	FDH 009
DHASC 017/A	Ø=50;h=89	61	36	FDH 017
DHASC 030/A	Ø=50;h=126	108	64	FDH 030
DHASC 058/A	Ø=72;h=161	216	127	FDH 058
DHASC 145/A	Ø=72;h=270	288	170	FDH 080
DHASC 145/A	Ø=72;h=270	432	254	FDH 120
DHASC 145/A	Ø=72;h=270	522	307	FDH 145
DHASC 220/A	Ø=86;h=330	720	424	FDH 205
DHASC 220/A	Ø=86;h=330	792	466	FDH 220
DHASC 330/A	Ø=86;h=631	1188	700	FDH 330
DHASC 430/A	Ø=114;h=416	1440	848	FDH 400
DHASC 430/A	Ø=114;h=416	1548	911	FDH 430
DHASC 620/A	Ø=114;h=637	2232	1314	FDH 620

ø=Diameter;h=Height

CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s).
CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP} x C_{OT}

OPERATING PRESSURE

[bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
C_{OP}	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

MAINTENANCE

Replace filter element at least every 6 months.

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