

FILTER ELEMENT - OZA

(Particulate, Coalescing, Oil vapour removal)

DESCRIPTION

OZA filter elements have been specifically developed for high efficient removal of solid particles, oil aerosols, water, hydrocarbons, vapours and odours from compressed air⁽¹⁾. OZA filter elements are designed to fit into Parker - Zander filter housings.

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⁾OZA 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
V/P	Class 6	-	-
Z/R	Class 3	-	-
Y/M	Class 2	-	Class 2
X/S	Class 1	-	Class 1
A/A	-	-	Class 0/1

Validated according to ISO12500-1 and ISO12500-3

TECHNICAL SPECIFICATION

	V/P ⁽⁶⁾	Z/R ⁽⁶⁾	Y/M ⁽⁶⁾	X/S ⁽⁶⁾	A/A ⁽⁶⁾
Operating temperature		1,5 - 65 °C/ 35 - 149 °F			1,5 - 45 °C/ 35 - 113 °F
Operating pressure			0 - 16 barg/ 0 - 232 psi		
Differential pressure (dry)	10 mbar/ 0,145 psi	20 mbar/ 0,290 psi	50 mbar/ 0,725 psi	80 mbar/ 1,160 psi	60 mbar/ 0,870 psi
Differential pressure (wet)	20 mbar/ 0,290 psi	40 mbar/ 0,580 psi	120 mbar/ 1,740 psi	190 mbar/ 2,756 psi	N/A
Particle retention (nominal)	99,99% (3 µm)	99,9999% (1 µm)	99,9999% (0,1 µm)	99,9999% (0,01 µm)	N/A
Particle retention rate ISO ⁽³⁾	95 %	99,8 %	99,98 %	99,9994 %	N/A
Residual oil content ⁽⁴⁾	N/A	< 0,5mg/m ³	< 0,1mg/m ³	< 0,01mg/m ³	< 0,005mg/m ³
Capacity (ISO12500-2) ⁽⁵⁾	N/A	N/A	N/A	N/A	20 min

⁽³⁾Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 V/P, MPPS-(5,1µm); 06050 Z/R, Y/M, X/S, MPPS-(0,3µm)

⁽⁴⁾Tested according to ISO12500-1, 06050 Y/M, X/S Oil aerosol viscosity 32mm²/s, inlet concentration 10mg/m³

⁽⁵⁾Tested according to ISO12500-2, 06050 A/A, tested with n-Hexane, test concentration 100mg/kg, 80% Saturation

⁽⁶⁾Cross reference Omega Air – Zander filtration grades: P=V/P=V, R=Z/R=Z, M=Y/M=Y, S=X/S=X, A=A/A=A

SIZES

PLASTIC END CAPS	ALUMINIUM END CAPS	DIMENSIONS [mm]	FLOW CAPACITY [Nm ³ /h]	FLOW CAPACITY [scfm]	FITS INTO FILTER HOUSING
OZA 1030_/_	OZA 1030_/_ AI	Ø=42; h=53	30	18	G 2
OZA 1050_/_	OZA 1050_/_ AI	Ø=51; h=59	50	29	G 3
OZA 1070_/_	OZA 1070_/_ AI	Ø=51; h=75	70	41	G 5
OZA 1140_/_	OZA 1140_/_ AI	Ø=51; h=144	100	59	G 7
OZA 2010_/_	OZA 2010_/_ AI	Ø=75; h=118	180	106	G 9
OZA 2020_/_	OZA 2020_/_ AI	Ø=75; h=218	300	177	G 11
OZA 2030_/_	OZA 2030_/_ AI	Ø=75; h=318	470	277	G 12
OZA 2050_/_	OZA 2050_/_ AI	Ø=75; h=508	700	412	G 13
OZA 3050_/_	OZA 3050_/_ AI	Ø=92; h=506	940	553	G 14
OZA 3075_/_	OZA 3075_/_ AI	Ø=92; h=760	1450	853	G 17
OZA 5060_/_	OZA 5060_/_ AI	Ø=140; h=605	1940	1142	G 18
OZA 5075_/_	OZA 5075_/_ AI	Ø=140; h=755	2400	1413	G 19

Ø=Diameter; h=Height

MATERIALS

	V/P	Z/R	Y/M	X/S	S/A
Filter media	Acrylic fibers, cellulose	Borosilicate micro fibers	Borosilicate micro fibers	Borosilicate micro fibers	Glass fibre, borosilicate microfibers
Support media	Polyester	/	/	/	/
Drainage media	/	Polyurethane	Polyurethane	Polyurethane	/
Adsorption media	/	/	/	/	Activated carbon granulate PES (Polyester)
Support (inner-outer)	Stainless steel 1.4301				
Bonding	Polyurethane				
Endcaps	PA6 with 30% glass fibers				
Sealing	NBR				

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 grade V/P, Z/R, Y/M, X/S at least once per year or when pressure drop reaches 350mbar.

Replace filter element grade A/A at least every 6 months

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008 Reg. number: 200285
---	--