FILTER ELEMENT OZA D/PIW

Pre-Filter (Particulate)

DESCRIPTION

D/PIW filter elements have been designed for high efficient steam[1] filtration in process and food industry. It is robust in design and use no chemical bonding. Instead, endcaps are welded to filtration media. Complete structure is from 1.4404 stainless steel.

APPLICATIONS[2]

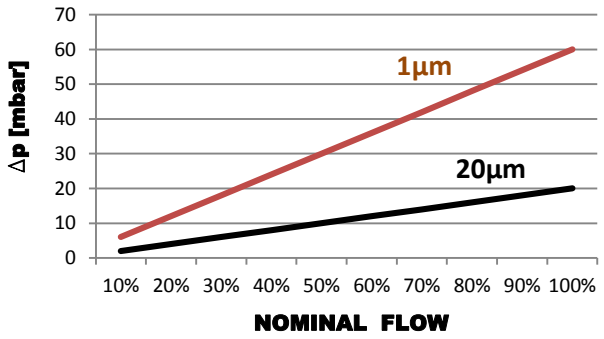
- Electronics
- Food & Beverage
- Chemical
- Pharmaceutical
- Plastics
- Paint
- General industrial application

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

TECHNICAL SPECIFICATION

Operating temperature	0 – 150 °C [3]	32 - 302 °F [3]
Operating pressure	up to 50 bar(g)	up to 725 psi
Solid particle size purification (µm)	20; 1	
Differential pressure (dry)	20mbar (20µm); 60 mbar (1µm)	0,290 (20µm); 0,870 psi (1µm)

[3]For operating temperatures below 0°C please contact us or your local dealer



MATERIALS

Filter media	Sintered INOX 1.4404
Bonding	Welded design
Endcaps	Stainless steel
Sealing	Viton[4]

[4] Other material sealing on request

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SIZES

FILTER ELEMENT SIZE	DIMENSIONS [mm]	STEAM CAPACITY [5] (20µm) [Kg/h]	STEAM CAPACITY [5] (1µm) [Kg/h]
OZA 09T D/PIW	h=88,5; Ø=62	36,12	9,17
OZA 13T D/PIW	h=146,5; Ø=62	77,20	19,60
OZA 14T D/PIW	h=278; Ø=86	314,77	79,90
OZA 18T D/PIW	h=525; Ø=86	651,34	165,34
OZA 19T D/PIW	h=88,5; Ø=62	36,12	9,17

ø=Diameter;h=Height
[5] at 2 bar(g), 134°C

FILTER CARTRIDGE NAMES

Filter cartridge names consist of cartridge size and filtration grade.

For 20µm: "OZA 09T D/PIW 20µm", for 1µm: "OZA 09T D/PIW 1µm".

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

D/PIW filter element can be cleaned with ultrasonic bath or with back flushing. Intervals of cleaning depend on application. If necessary replace filter element with new one.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

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

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