

FILTER ELEMENT – 3004613203

Alternative filter elements for Ingersol Rand

Series: IR Series

DESCRIPTION

3004613203 filter elements have been developed for high efficient removal of solid particles, oil aerosols, water, hydrocarbons, vapours and odours from compressed air.



FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

Filtration grade	Solid particles class	Water class	Oil class
GP/R	3	/	/

Validated according to ISO12500-1, ISO12500-2 and ISO12500-3

TECHNICAL SPECIFICATION

GP/R⁽⁶⁾

Operating temperature	1,5 - 65 °C/ 35 - 149 °F
Operating pressure	0 - 16 barg/ 0 - 232 psi
Differential pressure (dry)	20 mbar/ 0,290 psi
Differential pressure (wet)	40 mbar/ 0,580 psi
Particle retention (nominal)	99,9999% (1 µm)
Particle retention rate ISO ⁽³⁾	99,8 %
Residual oil content ⁽⁴⁾	/
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2) ⁽⁵⁾	/

⁽³⁾ Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 R, S, MPPS-(0,3µm)

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

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

⁽⁶⁾ Cross reference Omega Air – Ingersol Rand filtration grades: R=GP/R, S=HE/S, A=AC/A

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

MATERIALS

GP/R	
Filter media	Borosilicate micro fibers
Protection media	Polyester fleece
Drainage media	
Adsorption media	/
Support (inner-outer)	Stainless steel 1.4301
Bonding	Polyurethane
Endcaps	PA6 with 30% glass fibers
Sealing	NBR

SIZES

Model*	Diameter [mm]	Height [mm]	Flow Capacity [Nm ³ /h]	Flow Capacity [scfm]	Fits into filter housing
3004613203	87	592	1200	706	IR (grade) 706

MAINTENANCE

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

If you require any further information, please contact your Edmac salesperson or sales.edmac@edmac.eu.

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