

Ingersoll Rand - Datasheet



Specifications

Size, "(inch):	see table
Particle Retention rating, µm:	0,01 - 3
Flow capacity, nm3/h:	35 - 1100
Op. Temp. C°:	1,5 - 65
Diff. Pressure:	10 - 60(dry) - 20 - 190(wet)
Efficiency, % (nominal):	99,99 - 99,9999
Connection:	-
Material:	-
Sealing:	NBR

DF 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 (ISO 8573-1)

Filtration grade	Solid particle class	Water class	Oil class
AO	3	/	/
AA	2	/	2
AC	1*	/	0/1

Technical Specifications

	AO	AA	AC
Operating temp.	1,5-65°C	1,5-65°C	1,5-45°C
Operating pressure	0-16 barg	0-16 barg	0-16 barg
Differential pressure (dry)	20 mbar	50 mbar	60 mbar
Differential pressure (wet)	40 mbar	120 mbar	-
Particle retention (nominal)	99,9999% (1µm)	99,9999% (0,1µm)	-
Particle retention rate ISO(3)	99,8%	99,98%	-
Residual oil content(4)	-	<0,1mg/m3	<0,005mg/m3
Flow Direction	INSIDE to OUTSIDE	INSIDE to OUTSIDE	INSIDE to OUTSIDE
Capacity (ISO12500-2)(5)	-	-	20 min

3* Tested according to ISO12500-3, 1bar(a), nominal flow, 0605 P, MPPS-(5µm) ; 06050 R, M, S, MPPS-(0,3µm)

4* Tested according to ISO12500-1, 06050 M, S Oil aerosol viscosity 32 mm2/s, inlet concentration 10 mf/m3

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

Correction factors															
Operating pressure															
bar	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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					
		AO	AA		AC
Filter media		Borosilicate micro fibers	Borosilicate micro fibers		Borosilicate micro fibers
Protection media		Polyester fleece	Polyester fleece		Polyester fleece
Drainage media		Polyester needle felt	Polyester needle felt		-
Adsorption media		-	-		Activated carbon granulate
Support (inner-outer)		Stainless steel 1.4301	Stainless steel 1.4301		Stainless steel 1.4301
Bonding		Polyurethane	Polyurethane		Polyurethane
Endcaps		PA6 with 30% glass fibers	PA6 with 30% glass fibers		PA6 with 30% glass fibers
Sealing		NBR	NBR		NBR