

## Compair Gen 1 - Datasheet



### Specifications

Size, "(inch):	see table
Particle Retention rating, $\mu\text{m}$ :	0,01 - 3
Flow capacity, $\text{nm}^3/\text{h}$ :	35 - 1100
Op. Temp. $^{\circ}\text{C}$ :	1,5 - 65
Diff. Pressure:	10 - 60(dry) - 20 - 190(wet)
Efficiency, % (nominal):	99,99 - 99,9999
Connection:	-
Material:	-
Sealing:	NBR

These 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
GPP(FF)	3	/	/
OFP(MF)	2	/	2
OVR(AK)	1*	/	0/1

Technical Specifications				
	GPP(FF)	OFP(MF)		OVR(AK)
Operating temp.	1,5-65 $^{\circ}\text{C}$	1,5-65 $^{\circ}\text{C}$		1,5-45 $^{\circ}\text{C}$
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% (1 $\mu\text{m}$ )	99,9999% (0,1 $\mu\text{m}$ )		-
Particle retention rate ISO(3)	99,8%	99,98%		-
Residual oil content(4)	-	<0,1mg/m <sup>3</sup>		<0,005mg/m <sup>3</sup>
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-(5 $\mu\text{m}$ ) ; 06050 R, M, S, MPPS-(0,3 $\mu\text{m}$ )

4\* Tested according to ISO12500-1, 06050 M, S Oil aerosol viscosity 32  $\text{mm}^2/\text{s}$ , inlet concentration 10  $\text{mf}/\text{m}^3$

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 <sub>op</sub>	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					
		GPP(FF)	OFP(MF)		OVR(AK)
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

\* filter cartridge names consists of cartridge size and filtration grade. Place filtration grade designation after filter size.

#### MAINTENANCE

GPP, OFP - Replace filter element at least once per year or when pressure drop reaches 350mbar  
OVR - Replace filter element at least every 6 months