



Superfine compressed air filters

In today's modern production equipments, the use of compressed air is so important to manufacturing processes. Irrespective of whether the compressed air comes into direct contact with the product or is used to automate a process, provide motive power, or even to generate other gases on-site, a clean, dry, Reliable compressed air supply is essential to maintain cost effective production.

Typically there are different contaminants from the below sources and even more in critical applications that need to be removed or reduced to acceptable levels.

Such as: Atmospheric dirt, Water vapour, Oil vapour, Micro-organisms.

Die-cast filter housing

MeeMA filter housing adopts aluminium alloy die-cast, have tight construction and long time use. The internal and external of housing undergo cleaning, degreasing, anodic oxidation treatment before painting. Increasing anti-corrosion and durability.

Guaranteed for 10 years life under normal recommended use. The high quality traceable pressurised components ensure peace of mind and trouble free use.

The comparison of anti-corrosion treatment



Rapid corrosion of untreated aluminium



No corrosion with treatment

Applications include

- Dental
- Electronics
- Emissions Monitoring
- Food & Beverage
- Instrumentation
- Laboratories
- Laser Cutting
- Manufacturing
- Military
- Oil & Gas
- Paint Applications
- Pharmaceutical Manufacturing
- Pneumatic Conveying
- Railway

Accessories benefits



Differential pressure indicator (SPI01) is fitted as standard on filters HAS01 (1/2")



Differential pressure gauge (SPGO1) is fitted as standard on filters HAS02 (3/4") and larger.



Pressure relief hole gives an audible warning if any attempt is made to remove filter bowl whilst under pressure.



Maintenance simple and quick.



Automatic drain (SD01) valve is fitted as standard on filters HAS01 (1/2") to HAS04 (1 1/2")



Automatic float drain (HAD20B) is fitted as standard on filters HAS05 (2") and larger.



Manual drain (SD02) valve is fitted as standard on filter HAS02 (3/4") and larger for rapid depressurisation and autodrain function check.



Sight glass (SG01) gives a visual check of liquid collection and drain function.



Filter element

Performance guarantee

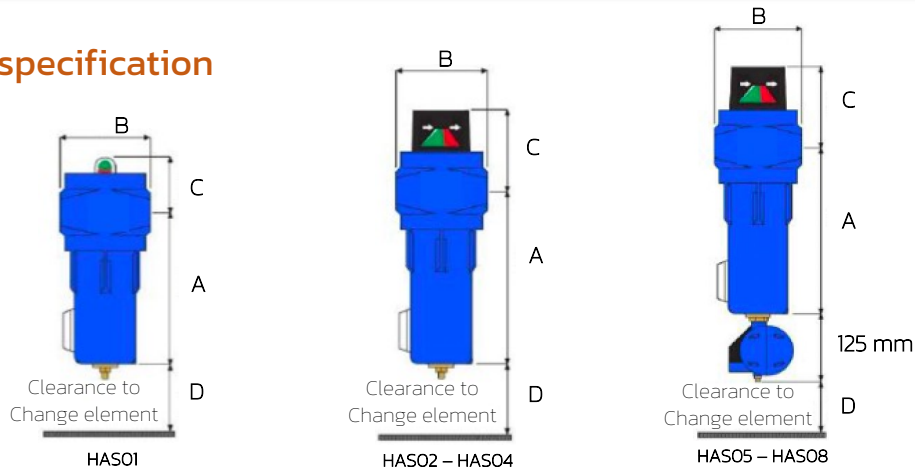
All MeeMA superfine compressed air filters carry guaranteed for one year under normal recommended use.

The filter elements should be changed every year (8,000 hours) or earlier if the indicator/gauge changes to red.

Activated carbon filter elements (Grade AC) should be changed every 6 months or 1,000 hours (whichever comes first).

Performance	Filter Grade	AK		AS		AM		AC	
	Particle removal	5 micon		1 micon		0.01 micon		-	
	Maximum particle size class **	3		2		1		-	
	Maximum oil content	4		2		1		1	
	Maximum oil carry over at 20 °C	5 mg/m ³		0.1 mg/m ³		0.01 mg/m ³		0.003 mg/m ³	
	Pressure loss: clean and dry	40 mbar	0.06 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
	Pressure loss: saturated	75 mbar	1.1 psi	150 mbar	2.2 psi	300 mbar	4.4 psi	-	-
	Pressure loss: element change	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	6 months	1,000 hrs.
	Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig

Technical specification



Filter Model (grade)	Pipe Connection	Flow - Rate			Dimensions (mm)				Weight (Kg)	Filter Element (Model x No.)
		NL/min	Nm ³ /h	scfm	A	B	C	D		
HAS01	G 1/2"	2,000	120	70	194	89	60	130	1.1	EAS01 x 1
HAS02	G 3/4"	3,600	216	127	251	120	100	172	2.4	EAS02 x 1
HAS03	G 1"	4,800	288	169	351	120	100	272	2.9	EAS03 x 1
HAS04	G 1 1/2"	7,200	432	254	351	120	100	272	2.9	EAS04 x 1
HAS05	G 2"	13,200	792	466	441	162	109	320	9.1	EAS05 x 1
HAS06	G 2"	19,800	1,188	699	770	162	109	635	12.9	EAS06 x 1
HAS07	G 3"	26,000	1,560	918	509	200	123	400	11.9	EAS07 x 1
HAS08	G 3"	37,200	2,232	1,313	786	200	123	625	20.9	EAS08 x 1

Pressure Correction Factors	for maximum flow rate, multiply model flow rate by the correction factor corresponding to the minimum operating pressure									
Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)	
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51	

Standard accessories

Accessories(Model)	Differential Pressure Indicator (SPI01)	Differential Pressure Gauge (SPG01)	Automatic Drain (SD01)	Automatic Float Drain (HAD20B)	Manual Drain (SD02)	Sight Glass (SG01)
HAS01 (G 1/2")	✓		✓			✓
HAS02 (G 3/4")		✓	✓		✓	✓
HAS03 (G 1")		✓	✓		✓	✓
HAS04 (G 1 1/2")		✓	✓		✓	✓
HAS05 (G 2")		✓		✓	✓	✓
HAS06 (G 2")		✓		✓	✓	✓
HAS07 (G 3")		✓		✓	✓	✓
HAS08 (G 3")		✓		✓	✓	✓