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Technical information

Accessories

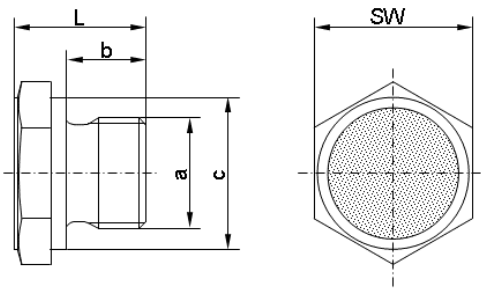
+ Air filter for filtering flowing gases or air

Hänchen air filters are porous screw-in metal elements made of sintered bronze. They serve to ventilate unpressurized spaces, e.g. on oil containers or unpressurized chambers in hydraulic cylinders, in order to protect these against damage caused by foreign particles coming in with the airflow. Their distinguishing features are a high dirt separating capacity and a long service life, and they are particularly suitable for filtering flowing gases or air.

Filtration principle

Larger dirt particles in the air are caught on the surface of the filter element. Smaller particles get inside the bronze filter element and are removed from the airflow by getting caught in the mazelike interior. Beside a number of other parameters, the possible separating capacity depends mostly on the flow rate. Because of this, air filters should always be selected as large as possible. The pressure resistance of the air flow also depends on the flow rate.

Technical data



BSP thread type	article no.	Metric thread type	article no.	b	c	L	Wrench size	Airflow rate in [l/min] at dp=0,25 bar
G 1/8	0300700A	M10x1	0301300A	8	14	18	17	50
G 1/4	0300800A	M12x1,5*	0301400A	10	19/17*	18	22	100
G 3/8	0300900A	M18x1,5	0301500A	12	23	20	24	130
G 1/2	0301000A	M22x1,5	0301600A	14	26	23	27	160
G 3/4	0301100A	M27x2	0301700A	16	32	25	32	220
G 1	0301200A	M33x2	0301800A	18	39	30	41	400

T_{max}=100°C



Installation

Hänchen air filters consist of a sintered bronze element inside a zinc-plated steel body. They can be installed by simply screwing them into threaded holes according to ISO 228 Part 1 and are equipped with sealing edges, so that no additional sealing elements are required.

Cleaning

Cleaning visible dirt on the surface of the filter element can be removed in a reverse air flow. If necessary, a soft brush can be used. Dirt inside the air filter, such as oil, can be removed using a solvent. For this, observe the solvent manufacturer's information on the product's effect on bronze CuSn10. After using a solvent, the air filter must be rinsed with a clear fluid and dried.

