

Filter magnets



Function

Filter magnets remove ferromagnetic impurities from liquid, granular or powdered media. They are mainly used in the food and animal feed industries, but also by plastic and wood processing companies.

Design and application

Consisting of neodymium-iron-boron magnets in a welded stainless steel tube that is impervious to liquids, filter magnets are deployed singly or in grid arrangements depending on the cross-section of the supply line. Depending on their structure or function, filter magnets are also known as filter rods or magnetic separators.

Due to the use of powerful NdFeB magnets, filter magnets have a high surface flux density and thus achieve highly effective levels of magnetic separation.

They ensure high product quality free of ferrous contaminations, can be retrofitted and are low-maintenance.

Technical data	
Pipe material	Stainless steel 1.4301
Magnetic material	Neodymium-Iron-Boron (NdFeB)
Water tightness	Welded liquid-tight, food-safe
Surface	polished
Mounting	Frontal thread bore (single-sided)
Cleaning	manual (wiping or with compressed air)



Product range

Available
at short notice

Filter magnets						
Item number	Diameter D [mm]	Length L [mm]	Thread	Weight [g]	Max. operating temperature [°C]	Surface flux density [G*]
M40009300T392N	25	100	M6x15	385	120	≥ 10,000
M40005200T392N	25	150	M6x15	577	120	≥ 10,000
M40005300T392N	25	200	M6x15	770	120	≥ 10,000
M40005400T392N	25	250	M6x15	962	120	≥ 10,000
M40005500T392N	25	300	M6x15	1155	120	≥ 10,000
M40009400T392N	25	350	M6x15	1348	120	≥ 10,000
M40009500T392N	25	400	M6x15	1541	120	≥ 10,000
M40009600T392N	25	450	M6x15	1733	120	≥ 10,000
M40009700T392N	25	500	M6x15	1926	120	≥ 10,000
M40009800T392N	32	100	M8x15	631	120	≥ 10,000
M40009900T392N	32	150	M8x15	946	120	≥ 10,000
M40010000T392N	32	200	M8x15	1262	120	≥ 10,000
M40010100T392N	32	250	M8x15	1577	120	≥ 10,000
M40010200T392N	32	300	M8x15	1893	120	≥ 10,000
M40010300T392N	32	350	M8x15	2209	120	≥ 10,000
M40010400T392N	32	400	M8x15	2524	120	≥ 10,000
M40010500T392N	32	450	M8x15	2840	120	≥ 10,000
M40010600T392N	32	500	M8x15	3155	120	≥ 10,000

*10,000 G = 1 T

- ⊕ Other dimensions are also available on request.
- ⊕ In addition to our standard program, we also offer custom solutions. We will be happy to advise you on this.

General information

The statements are in no way to be deemed as an advisory service of our company, but are only descriptive without guaranteeing or granting property-related qualities. Liability on the basis of the statements of this product information is specifically excluded, unless compelling legal liability facts are evident. All information is correct to the best of our knowledge, but no responsibility will be taken for any errors. We reserve the right to make technical changes. Reproduction in any form, including extracts, only with the express permission of thyssenkrupp Magnettechnik.

Contact

thyssenkrupp Magnettechnik
Branch of thyssenkrupp Schulte GmbH
Am Hellweg 7
44805 Bochum, Germany
T: +49 234 622014-00
www.thyssenkrupp-magnettechnik.com
magnet@thyssenkrupp-materials.com