

DN 50	4	18	10	125	50	165	-
DN 65	4	18	10	145	65	185	-
DN 80	8	18	10	160	80	200	-
DN 100	8	18	10	180	100	220	-
DN 150	8	22	22	240	150	285	8 x M10
DN 200	8	22	24	295	200	340	6 x M16
DN 250	12	22	26	350	250	395	6 x M20

Parameter name	Value
Description:	Magnetic grate separator for liquids
Application (= the material that the application of this separator is suitable for):	liquid material, bulk material
Material flow direction):	vertical, horizontal
Built-in standard magnet type:	neodymium magnet N35
Max. magnetic induction (G) on the surface of tube (+/- 10 %):	10 700 G (optional variant with magnets N52: 12 200 G)
Magnetic flux (G) on the magnetic core (+/- 10 %):	17 000 G (optional variant with magnets N52: 18 700 G)
Maximum capacity. The mentioned capacities are informative and non binding (m3/h):	30 m3/h
Weight of the separator (kg):	10 kg
Connecting dimension, inlet and outlet diameter of the separator (mm):	DN50
Standard connection of the separator:	flange EN 1092-1, threaded fittings DIN 11851
Minimum size of the particles that can be captured by the separator (mm):	0,03 mm
Max. operating temperature (°C):	80
Min. surrounding ambient temperature (°C):	-25°C
Max. surrounding ambient temperature (°C):	45°C
Operating pressure:	max. 10 bar
Material of the sealing:	EPDM
Separator is suitable for vacuum or pressure conveying lines:	yes
Separator is able to capture paramagnetic particles:	yes
Separator is suitable for abrasive materials (1 = strongly abrasive, 2 = slightly abrasive, 3 = non-abrasive):	3

Cleaning of the separator:	manual cleaning with easy cleaning systém (it is necessary to interrupt the material flow during the cleaning)
Diameter of the outer (protective) tube of the magnetic rod (mm):	32 mm
Diameter of magnetic rod (mm):	29 mm
Number of magnetic tubes:	3
Material of the separator body (that is in contact with the material):	AISI 304 (DIN 1.4301)
ATEX (paid option):	zone 20, 21, 22
Outer surface treatment of the separator:	sandblasted
Inner surface treatment of the separator:	sandblasted + polished tube
Other standard parameters:	integrated lock of the magnetic tubes
Other additionally paid options:	magnets N52, magnets with higher temperature resistance, pressure resistance above 10 bars, polished version, sight glass
Max. operation time (hours/day):	24
Max. production time for a standard version (if not available in stock) (weeks):	6-8
Standard packing:	cardboard box
Other packing modes (surcharged options):	wooden box, pallet, maritime packing according to clients needs
Warranty (months):	12

The mentioned capacity is only approximative and depends on the type of the cleaned material. This product can be delivered also in different dimensions, in the versions with a higher temperature resistance, different magnets etc. upon a special request. • Standard version (without an official pressure certificate): resistant up to 6 bars • Above standard version (with an official pressure certificate): resistant above 6 bars • Additional option: official pressure certificate