



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
Separator placement:	inside of a pipeline,
Material flow direction (beginning with the most common one):	vertical, horizontal
Max. magnetic induction (depending on the type of the separator it is either a magnetic value on the surface of the separator or a magnetic value that is in direct contact with the treated material. Tolerance +/- 10 %:	10700
Magnetic flux on the magnetic core (G) Tolerance +/- 10 %:	17000
Weight of the separator (kg):	10
Connecting dimension, inlet and outlet diameter of the separator (mm):	50
Application (= the material that the application of this separator is suitable for):	liquid material
Separator is suitable also even for the materials of poor bulk properties:	no
Minimum size of the particles that can be captured by the separator (mm):	0.03
Maximum size of the particles that can be captured by the separator (mm):	10
Separator is suitable for vacuum or pressure conveying lines:	yes
Separator is suitable for materials transported by:	pipeline
Max. speed at which that the separator can capture ferrous particles (m/s):	25
Separator is able to capture paramagnetic particles:	yes

Separator is suitable for abrasive materials (1 = strongly abrasive, 2 = slightly abrasive, 3 = non-abrasive):	3
Separator is suitable for materials that tend to solidify (the materials must be heated):	no
Separation of non-ferrous metals:	no
Cleaning of the separator:	manual cleaning (with easy cleaning system), it is necessary to interrupt the material flow during the cleaning
Max. operating temperature/ max. temperature of the material (°C):	80
Min. surrounding ambient temperature (°C):	-25
Max. surrounding ambient temperature (°C):	45
Built-in standard magnet type:	neodymium magnet N35
Material of the sealing:	EPDM
Diameter of the outer (protective) tube of the magnetic rod (mm):	32
Inner diameter (either of the uncovered magnetic cores or of the magnetic rod covered by the first protective stainless steel tube = system tube in tube) (mm):	29
Number of magnetic tubes (it concerns grate type separators only):	3
System tube in tube (it concerns grate type separators only):	ne
Maximum capacity. The mentioned capacities are informative and non binding (m <sup>3</sup> /h):	30
Material of the separator body (that is in contact with the treated material):	DIN 1.4301
ATEX:	zone 21, 22
Outer surface treatment of the separator:	sandblasted
Inner surface treatment of the separator:	sandblasted
Magnetic system:	magnetic tube
Connection possibilities of the separator (the variant mentioned as the first is the standard one):	standard flange, dairy threaded fittings
Other standard parameters:	pressure resistance up to do 6 bars (no official certificate), integrated lock of the magnetic tubes, mesh strainer
Other additionally paid options (beside the already mentioned options referring to the anti-abrasion protection, motor and connection types):	pressure resistance above 6 bars (with an official pressure certificate), polished version, magnets N52, sight glass, design for ATEX zone 20

Max. operation time (hours/day):	24
Max. production time for a standard version (if not available in stock) (weeks):	8
Standard packing:	stretch wrap + 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