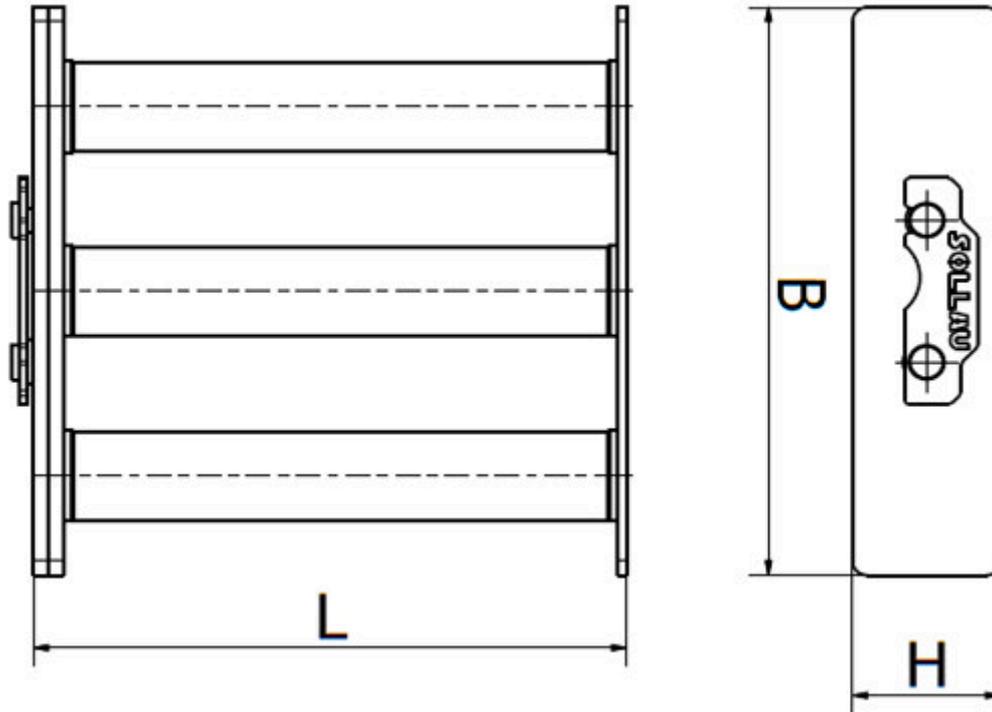


# Datasheet MR 500x500 N



Model	H (mm)	Weight (kg)	Max. flow capacity (m <sup>3</sup> /h)	Number of tubes	Tube diameter (mm)	Distances between tubes (mm)
MR 200x200 N	50	4,5	6	3	32	33
MR 250x200 N	50	6	8	4	32	30
MR 300x300 N	50	8,8	14	4	32	43
MR 350x300 N	50	9,2	16	4	32	50
MR 400x400 N	50	13	24	5	32	45
MR 450x400 N	50	13,4	27	5	32	50
MR 500x500 N	50	19,5	36	6	32	50
MR 550x500 N	50	22,1	40	7	32	45

Parameter name	Value
Description:	Magnetic grate with extractable magnetic cores (no housing)
Separator placement:	feeding hopper, inside of a pipeline,

Application (= the material that the application of this separator is suitable for):	bulk material
Material flow direction):	vertical, horizontal
Built-in standard magnet type:	neodymium magnet 35
Max. magnetic induction (G) on the surface of tube (+/- 10 %):	10 700 (optional variant with magnets N52: 12 200)
Magnetic flux (G) on the magnetic core (+/- 10 %):	17 000 (optional variant with magnets N52: 18 700)
Maximum capacity. The mentioned capacities are informative and non binding (m <sup>3</sup> /h):	36
Weight of the separator (kg):	19.5
Connecting dimension, inlet and outlet diameter of the separator (mm):	500x500 mm
Minimum size of the particles that can be captured by the separator (mm):	0,03 mm
Max. operating temperature (°C):	80°C
Min. surrounding ambient temperature (°C):	-25
Max. surrounding ambient temperature (°C):	45
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 system), it is necessary to interrupt the material flow during the cleaning
Diameter of the outer (protective) tube of the magnetic rod (mm):	32
Diameter of magnetic rod (mm):	29
Number of magnetic tubes:	6
System tube in tube:	no
Material of the separator body (that is in contact with the material):	AISI 304 (DIN 1.4301)
ATEX (on request):	zone 20, 21, 22
Outer surface treatment of the separator:	sandblasted
Options of the extended anti-abrasion protection:	leštění, chemické niklování
Other additionally paid options:	polishing, dismountable dispersion cones, magnets N52, magnets with higher temperature resistance
Max. operation time (hours/day):	24

Max. production time for a standard version (if not available in stock) (weeks):	4-6
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 other dimensions, in versions with a higher temperature resistance and other kind of magnets etc. upon a special request.