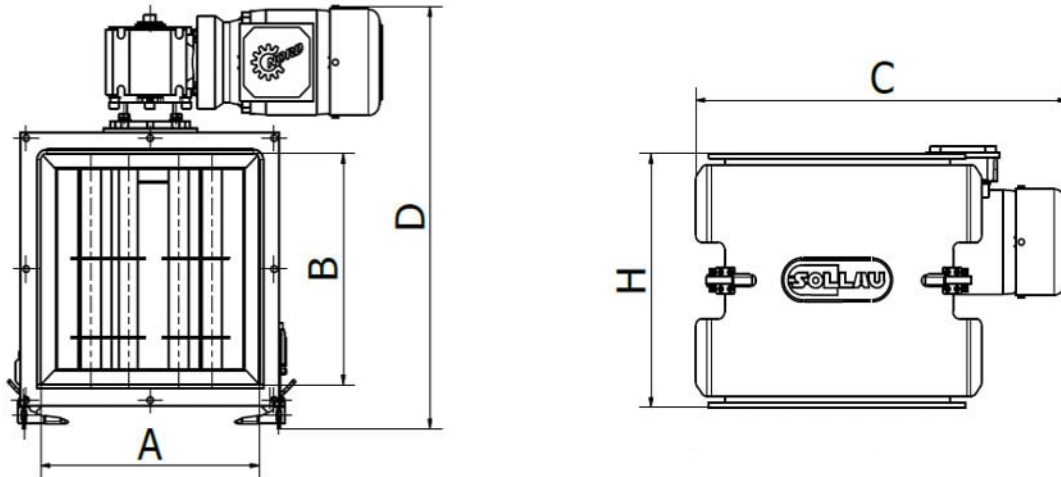


# Datasheet MSR-MC EKO 250 N



| Model                | Max. flow capacity (m <sup>3</sup> /h)* | Weight (kg) | Dimensions (mm) |     |     |     |     | Number of tubes |
|----------------------|---|-------------|-----------------|-----|-----|-----|-----|-----------------|
|                      |   |             | A               | B   | C   | D   | H   |                 |
| MSR-MC EKO 200 N     | 9                                       | 43          | 200             | 200 | 465 | 450 | 250 | 6               |
| MSR-MC EKO 250 N     | 15                                      | 51          | 250             | 250 | 490 | 500 | 290 | 7               |
| MSR-MC EKO 300/8 N   | 24                                      | 59          | 300             | 300 | 515 | 550 | 330 | 8               |
| MSR-MC EKO 300/12 N* | 18                                      | 63          | 300             | 300 | 515 | 550 | 330 | 12              |
| MSR-MC EKO 350/10 N  | 30                                      | 72          | 350             | 350 | 540 | 600 | 380 | 10              |
| MSR-MC EKO 350/14 N* | 26                                      | 77          | 350             | 350 | 540 | 600 | 380 | 14              |

| Parameter name   | Value  |
|--|--|
| Description:   | Magnetic rotatory separator with manual cleaning |
| 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   |
| Built-in standard magnet type:   | neodymium magnet N52                             |
| Max. magnetic induction (G) on the surface of tube (+/- 10 %):                       | 10500  |
| Magnetic flux (G) on the magnetic core (+/- 10 %):                                   | 13500  |

|  |   |
|--|---|
| Maximum capacity. The mentioned capacities are informative and non binding (m <sup>3</sup> /h):                | 15  |
| Weight of the separator (kg):  | 51  |
| Connecting dimension, inlet and outlet diameter of the separator (mm):   | 250   |
| Standard connection of the separator:  | square flange   |
| Separator is suitable also even for the materials of poor bulk properties:                                     | yes   |
| 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  |
| Max. operating temperature/ max. temperature of the material (°C):   | 60  |
| Min. surrounding ambient temperature (°C):   | -25   |
| Max. surrounding ambient temperature (°C):   | 45  |
| Material of the sealing:   | microporous silicone  |
| Separator is suitable for vacuum or pressure conveying lines:  | no  |
| Separator is suitable for materials transported by:  | gravity, pipeline   |
| Separator is able to capture paramagnetic particles:   | yes   |
| Separator is suitable for abrasive materials (1 = strongly abrasive, 2 = slightly abrasive, 3 = non-abrasive): | 2   |
| Separator is suitable for materials that tend to solidify (the materials must be heated):                      | no  |
| Separation of non-ferrous metals:  | no  |
| Standard requirements for the installation:  | electricity supply corresponding with the motor parameters  |
| 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):  | 27  |
| Diameter of magnetic rod (mm):   | 25  |
| Number of magnetic tubes:  | 7   |
| System tube in tube:   | yes   |
| Material of the separator body (that is in contact with the treated material):                                 | DIN 1.4301  |

|  |  |
|--|--|
| ATEX (paid option):  | zone 21, 22  |
| Outer surface treatment of the separator:  | sandblasted  |
| Inner surface treatment of the separator:  | sandblasted  |
| Magnetic system:   | magnetic tube  |
| Motor brand:   | Nord   |
| Main motor input (kW):   | 0.25   |
| Definition of the main motor electrical connection:                                | 400 V, AC, 50 Hz, , PE-N, TN-C-S, circuit breaker 3F/32A   |
| Available motor variants (the variant mentioned as the first is the standard one): | electric motor   |
| Degree of motor protection against dust and water:                                 | IP55   |
| Rotational speed of the engine (rev/min):  | 28   |
| Bearings:  | SKF  |
| Standard electrical equipment of the separator:                                    | no external electric cable, no frequency convertor, no electric switchboard, wiring is terminated at the motor screw terminal      |
| Options of the extended anti-abrasion protection:                                  | chemical nickel coating, plastic coating, rubberizing, ceramic lining  |
| Other standard parameters:   | safety sensor, integrated container for ferromagnetic particles  |
| Other additionally paid options:   | inner polishing, polished tubes, frequency convertor, blow-off unit for shaft cleaning, revolution sensor, 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:  | wooden box   |
| Other packing modes (surcharged options):  | 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. Speed of rotation: 28 revolutions/minute.