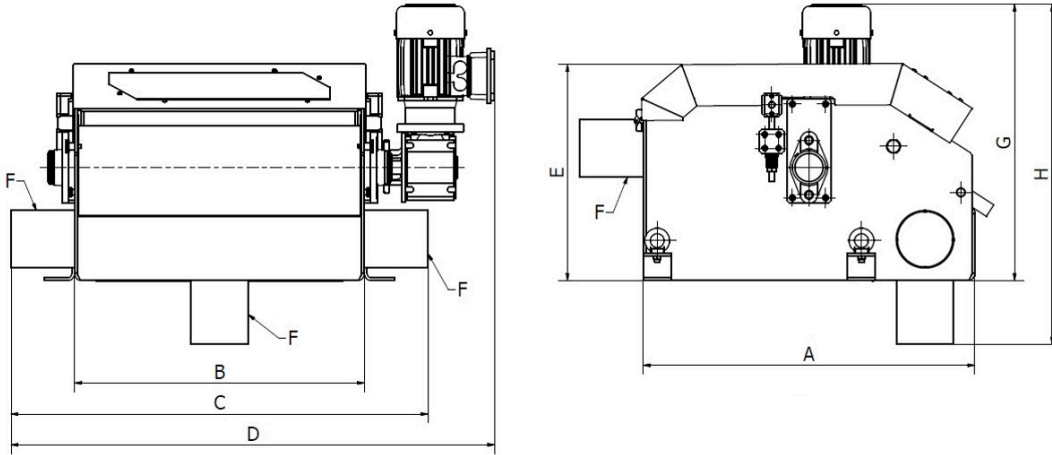


# Datasheet MVS-LUX 800 N



| Model          | Flow cap. water emulsion (l/m) | Flow cap. oil emulsion (l/min) | Weight (kg) | Dimensions (mm) |      |      |      |     |     |     |     | Magnetic roller diameter (mm) |
|----------------|--------------------------------|--------------------------------|-------------|-----------------|------|------|------|-----|-----|-----|-----|-------------------------------|
|                |                                |                                |             | A               | B    | C    | D    | E   | F   | G   | H   |                               |
| MVS-LUX 300 N  | 250                            | 190                            | 110         | 550             | 325  | 555  | 680  | 380 | 80  | 475 | 595 | 204                           |
| MVS-LUX 500 N  | 310                            | 230                            | 165         | 600             | 525  | 755  | 880  | 400 | 100 | 500 | 615 | 204                           |
| MVS-LUX 800 N  | 380                            | 285                            | 280         | 650             | 825  | 1055 | 1180 | 425 | 125 | 525 | 640 | 204                           |
| MVS-LUX 1000 N | 480                            | 360                            | 340         | 700             | 1025 | 1255 | 1380 | 450 | 150 | 550 | 665 | 204                           |

| Parameter name  | Value                      |
|---|----------------------------|
| Description:  | Magnetic coolant separator |
| Separator placement:  | inside of a pipeline,      |
| Material flow direction (beginning with the most common one):   | 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 %): | 5100                       |
| Weight of the separator (kg):   | 280                        |

|  |  |
|--|--|
| Connecting dimension, inlet and outlet diameter of the separator (mm):   | 125  |
| 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:                                     | 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   |
| Separator is suitable for vacuum or pressure conveying lines:  | no   |
| Separator is suitable for materials transported by:  | pipeline   |
| Separator is able to capture paramagnetic particles:   | yes  |
| Separator is suitable for abrasive materials (1 = strongly abrasive, 2 = slightly abrasive, 3 = non-abrasive): | 1  |
| 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:   | fully automatic cleaning, it is not 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   |
| Maximum capacity. The mentioned capacities are informative and non binding (m <sup>3</sup> /h):                | 23   |
| 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:  | painted (RAL colour tone)  |
| Inner surface treatment of the separator:  | no of surface treatment  |
| Magnetic system:   | magnetic roller  |
| Motor brand:   | Nord   |

|   |   |
|---|---|
| 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):   | 10  |
| Connection possibilities of the separator (the variant mentioned as the first is the standard one):   | pipeline connection   |
| Bearings:   | SNR   |
| Available lubrication methods for the bearings:   | manual  |
| Standard electrical equipment of the separator:   | no external electric cable, no frequency convertor, no electric switchboard, wiring is terminated at the motor screw terminal   |
| Other standard parameters:  | material of the separator body: stainless according to DIN 1.4301 (= AISI 304) + 11523 steel, rubber roller (it squeezes the sludge gathered to ensure that no coolant is wasted), the upper part of the separator can be lifted, various options of outlets, container for ferromagnetic particles (attachable to the separator box), sight glass (for the optical inspection of the pulley as well as of the material flow) |
| Other additionally paid options (beside the already mentioned options referring to the anti-abrasion protection, motor and connection types): | 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:   | pallet + stretch wrap   |
| Other packing modes (surcharged options):   | maritime packing according to clients needs   |
| Warranty (months):  | 12  |

This product can be delivered also in different dimensions, in the versions with a higher temperature resistance, different magnets etc. upon a special request. The mentioned capacity is only approximative and depends on the type of the cleaned material. The roller diameter (the same at all models): 204 mm