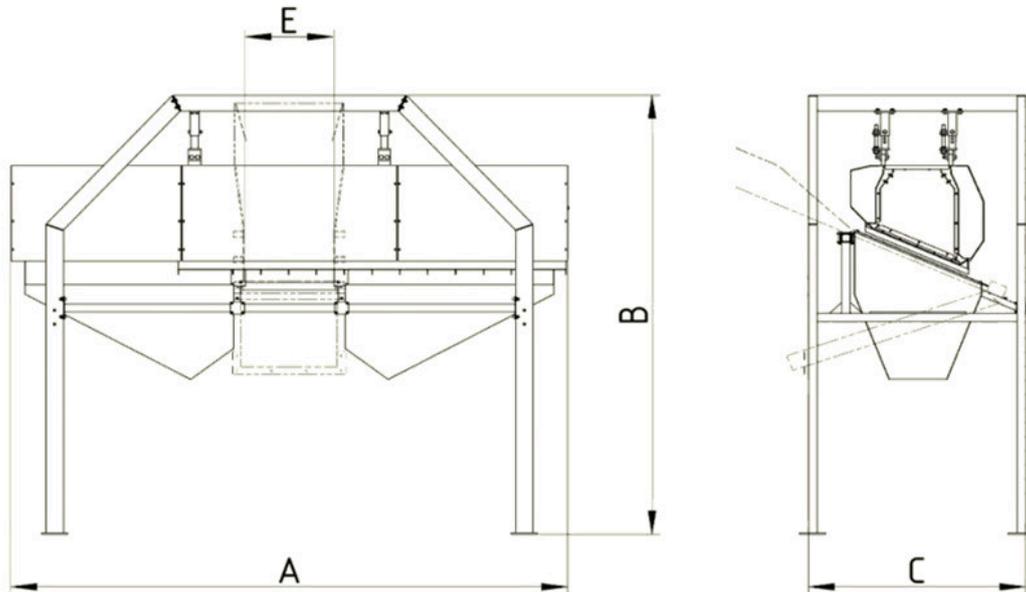


Datasheet DND-SFX 500



| | | | Dimensions (mm) | | | |
|-------------|---------------------|-------------|-----------------|------|------|-----|
| Model | Flow capacity (t/h) | Weight (kg) | A | B | C | E |
| DND-SFX 500 | 30 | 800 | 3200 | 2830 | 1250 | 500 |

| Parameter name | Value |
|---|---|
| Description: | Above-the-flow chute magnet with automatic cleaning |
| Separator placement: | across the conveyor belt, across above-the-flow chute plate |
| Material flow direction (beginning with the most common one): | horizontal |
| Recommended for the belt of max. width (across the conveyor belt) (mm): | 500 |
| 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 %): | 5800 |
| Weight of the separator (kg): | 800 |
| Application (= the material that the application of this separator is suitable for): | semi-fluid material, bulk 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): | 0.5 |
| Maximum size of the particles that can be captured by the separator (mm): | 100 |
| Separator is suitable for vacuum or pressure conveying lines: | no |
| Separator is suitable for materials transported by: | conveyor belt, slide |
| Max. speed at which that the separator can capture ferrous particles (m/s): | 1.5 |
| 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 , compressed air supply 6 - 8 bars |
| 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 ³ /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, partially painted (RAL colour tone) |
| Inner surface treatment of the separator: | sandblasted |
| Magnetic system: | magnetic plate |
| Height of the standard cleats (mm): | 30 |
| 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 additionally paid options (beside the already mentioned options referring to the anti-abrasion protection, motor and connection types): | |
| 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. DND-SFX 500 is just an example of the separators we can supply. 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.