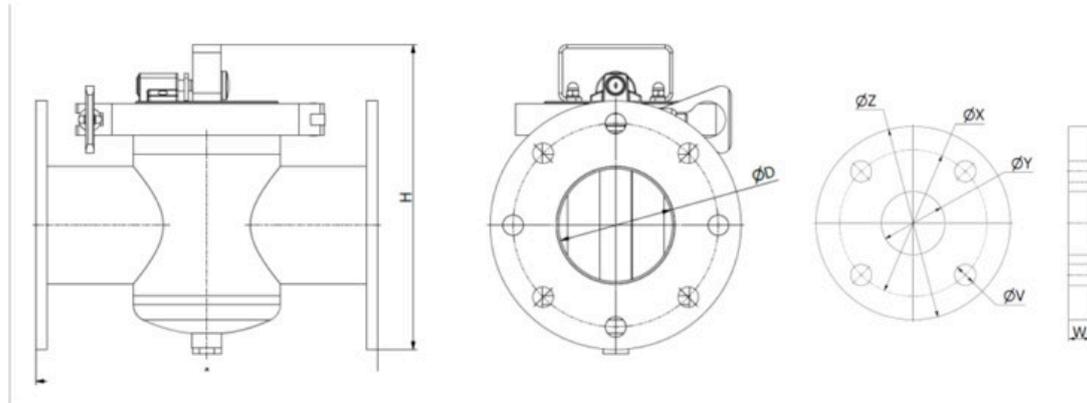


Datasheet MSP-S 50 N - OCTOPUS



| | | Dimensions (mm) | | | |
|-----------------------|-------------|-----------------|-----|-----|-----------------------------------|
| Model | Weight (kg) | A | H | D | Number and type of magnetic tubes |
| MSP-S 50 N - OCTOPUS | 9 | 240 | 230 | 50 | 3x28 mm |
| MSP-S 65 N - OCTOPUS | 9,5 | 240 | 240 | 66 | 3x28 mm |
| MSP-S 80 N - OCTOPUS | 15 | 300 | 275 | 80 | 5x28 mm |
| MSP-S 100 N - OCTOPUS | 17 | 300 | 285 | 100 | 5x28 mm |
| MSP-S 125 N - OCTOPUS | 28 | 400 | 310 | 125 | 8x28 mm |
| MSP-S 150 N - OCTOPUS | 32 | 400 | 330 | 150 | 8x28 mm |
| MSP-S 200 N - OCTOPUS | 45 | 500 | 425 | 200 | 10x28 mm |

Dimensions of standard flanges

| | | Dimensions (mm) | | | | |
|-------------|-----------------|-----------------|----|-----|----|-----|
| Flange type | Number of holes | V | W | X | Y | Z |
| DN 50 | 4 | 18 | 10 | 125 | 50 | 165 |
| DN 65 | 4 | 18 | 10 | 145 | 66 | 185 |

| | | | | | | |
|--------|----|----|----|-----|-----|-----|
| DN 80 | 8 | 18 | 10 | 160 | 80 | 200 |
| DN 100 | 8 | 18 | 10 | 180 | 100 | 220 |
| DN 125 | 8 | 18 | 10 | 210 | 125 | 250 |
| DN 150 | 8 | 22 | 10 | 240 | 150 | 285 |
| DN 200 | 12 | 22 | 10 | 295 | 200 | 340 |

| Parameter name | Value |
|---|---|
| Description: | Pipeline magnetic separator for pressure and vacuum conveying systems |
| 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 %): | 9500 |
| Magnetic flux on the magnetic core (G) Tolerance +/- 10 %: | 13500 |
| Weight of the separator (kg): | 9 |
| 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, semi-fluid material, bulk 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): | 2 |

| | |
|---|--|
| 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): | 60 |
| Min. surrounding ambient temperature (°C): | -25 |
| Max. surrounding ambient temperature (°C): | 45 |
| Built-in standard magnet type | neodymium magnet N52 |
| Material of the sealing (it regards only some separators): | EPDM |
| Diameter of the outer (protective) tube of the magnetic rod (mm): | 28 |
| 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): | 25 |
| Number of magnetic tubes (it concerns grate type separators only): | 3 |
| System tube in tube (it concerns grate type separators only): | yes |
| Material of the separator body (that is in contact with the treated material): | DIN 1.4301 |
| ATEX specification (number): | 20, 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: | tri-clamp fittings, welded nipple with a plug (= no ball valve), bayonet lock (to fix the magnetic tubes in the correct position), neodymium magnets N52, sieve (mesh of 10 x 10 mm) |
| Other additionally paid options (beside the already mentioned options referring to the anti-abrasion protection, motor and connection types): | increased distances between the tubes, inner polishing, polished tubes, tap with a ball valve, magnetic tubes of 25 mm (without the external protective tubes) |
| 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): | maritime packing according to clients needs |
| Warranty (months): | 12 |

This product is available in two versions: 1) Standard version "tube in tube" (outer pipe diameter is 28 mm) 2) Non-standard version with a magnetic rod of 25 mm (without the external protective stainless steel tube). The separator can be delivered also in different dimensions, with higher temperature resistance, with different magnets upon a special request.