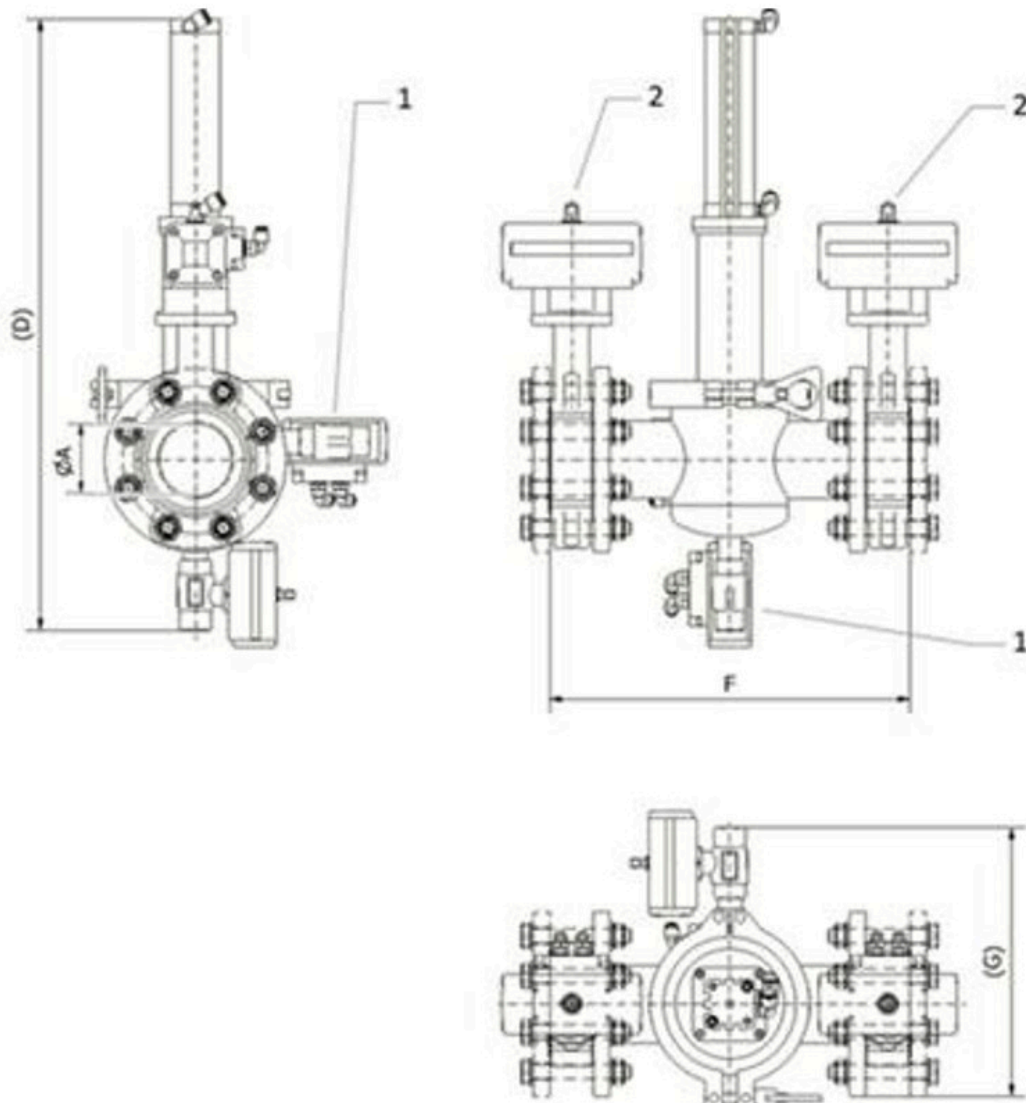


Datasheet MSP-AC EKO 50 V4 - BARRACUDA



| Model | Dimensions (mm) | | | | Weight (kg) | Description | |
|------------------------------|-----------------|-----|-----|-----|-------------|-----------------------|-----------------------|
| | øA | D | F | G | | 1 | 2 |
| MSP-AC EKO 20 V4 - BARRACUDA | 20 | 500 | 350 | 235 | 35 | Pneumatic ball valve | Pneumatic ball valve |
| | | | | | | V101 DA - DN20 | V101 DA - DN20 |
| MSP-AC EKO 40 V4 - BARRACUDA | 40 | 560 | 350 | 245 | 39 | Pneumatic ball valve | Pneumatic flap valve |
| | | | | | | V101 DA - DN20 | TTV DA - DN40 |
| MSP-AC EKO 50 V4 - BARRACUDA | 50 | 590 | 390 | 250 | 42 | Pneumatic ball valve | Pneumatic flap valve |
| | | | | | | V101 DA - DN20 | TTV DA - DN50 |
| MSP-AC EKO 80 V4 - BARRACUDA | 80 | 680 | 390 | 265 | 63 | Pneumatic ball valve | Pneumatic flap valve |
| | | | | | | V101 DA - DN20 | TTV DA - DN80 |

| | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----------------------|-----------------------|
| MSP-AC EKO 100 V4 - BARRACUDA | 100 | 810 | 390 | 275 | 76 | Pneumatic ball valve | Pneumatic flap valve |
| | | | | | | V101 DA - DN20 | TTV DA - DN100 |
| MSP-AC EKO 125 V4 - BARRACUDA | 125 | 895 | 460 | 290 | 92 | Pneumatic ball valve | Pneumatic flap valve |
| | | | | | | V101 DA - DN20 | TTV DA - DN125 |
| MSP-AC EKO 150 V4 - BARRACUDA | 150 | 980 | 560 | 310 | 104 | Pneumatic ball valve | Pneumatic flap valve |
| | | | | | | V101 DA - DN20 | TTV DA - DN150 |

| Parameter name | Value |
|---|--|
| Description: | Self-cleaning pipeline magnetic separator (four-valve version) |
| 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 %): | 9500 |
| Weight of the separator (kg): | 42 |
| 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 |
| 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): | 2 |
| 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): | 3 |

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| 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: | compressed air supply (of 6 - 8 bar), water supply (3 bar), electricity supply (220 V, 50 Hz) |
| Cleaning of the separator: | automatic cleaning, but 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 |
| Material of the sealing: | EPDM |
| Diameter of the outer (protective) tube of the magnetic rod (mm): | 68 |
| Number of magnetic tubes (it concerns grate type separators only): | 1 |
| System tube in tube (it concerns grate type separators only): | no |
| 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 |
| Inner surface treatment of the separator: | sandblasted |
| Magnetic system: | magnetic tube |
| Degree of motor protection against dust and water: | IP55 |
| Connection possibilities of the separator (the variant mentioned as the first is the standard one): | standard flange |
| Standard electrical equipment of the separator: | external electric cable with a plug, no frequency convertor, no electric switchboard, pneumatic components FESTO |
| Other standard parameters: | control panel made by SIEMENS, colourful touch screen, warning beacon, setting of the cleaning interval, password setting, START/STOP/TEST, separator can be stopped and cleaned anytime, errors reported on LED display made by Siemens, setting of the rinsing time and rinsing intensity, setting of the drying time and drying intensity, pressure resistance up to do 6 bars (no official certificate) |

| | |
|---|--|
| Other additionally paid options (beside the already mentioned options referring to the anti-abrasion protection, motor and connection types): | pressure resistance above 6 bars (with an official pressure certificate), inner polishing, 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): | pallet, maritime packing according to clients needs |
| Warranty (months): | 12 |

Pneumatically cleaned separator equipped with input and output flaps and valves. There is one magnetic tube in the separator. • Standard design (without official pressure certificate): up to 6 bars • Additional charge design (with official pressure certificate): above 6 bars • Additional charge option: pressure certificate