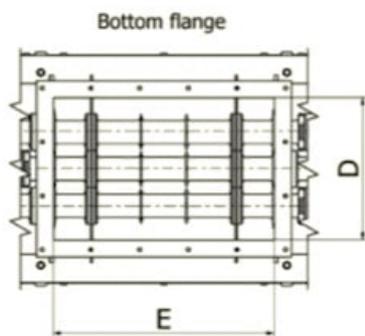
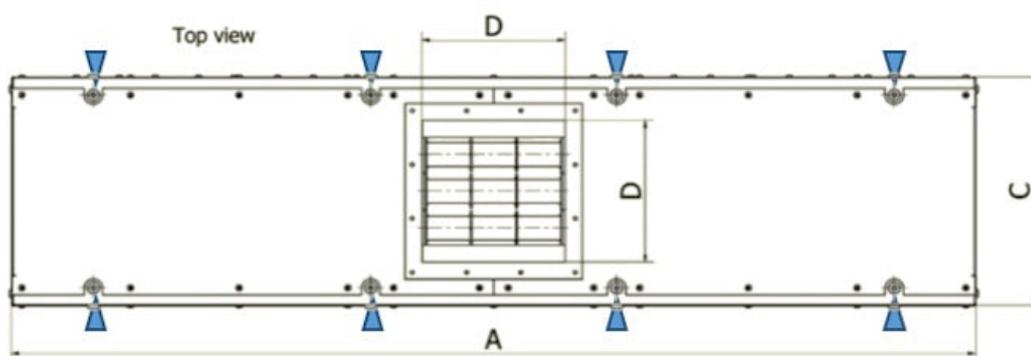


Datasheet MSSO-AC 270 - BLACK WIDOW



Model	Max. flow capacity (m ³ /h)	Weight (kg)	Dimensions (mm)					Number of tubes
			A	B	C	D	E	
MSSO-AC 180 - BLACK WIDOW	7	120	1390	300	330	286	3	3
MSSO-AC 270 - BLACK WIDOW	20	180	1690	300	430	386	5	5
MSSO-AC 360 - BLACK WIDOW	35	260	1990	300	530	486	7	7
MSSO-AC 450 - BLACK WIDOW	60	320	2290	300	630	586	9	9

MSSO-AC 540 - BLACK WIDOW	85	380	2590	300	730	686	11	11
MSSO-AC 630 - BLACK WIDOW	110	440	2890	300	830	786	13	13

Parameter name	Value
Description:	Self-cleaning magnetic grate separator for continuous operation
Separator placement:	inside of a pipeline
Material flow direction (beginning with the most common one):	vertical
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 %):	10500
Magnetic flux on the magnetic core (G) Tolerance +/- 10 %:	13500
Weight of the separator (kg):	180
Connecting dimension, inlet and outlet diameter of the separator (mm):	270
Application (= the material that the application of this separator is suitable for):	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:	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):	3
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), electricity supply (220 V, 50 Hz)
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 N52
Diameter of the outer (protective) tube of the magnetic rod (mm):	42
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):	?
Number of magnetic tubes (it concerns grate type separators only):	5
System tube in tube (it concerns grate type separators only):	no
Maximum capacity. The mentioned capacities are informative and non binding (m ³ /h):	20
Options of the extended anti-abrasion protection:	chemical nickel coating
Material of the separator body (that is in contact with the treated material):	DIN 1.4301
ATEX:	21, 22
Outer surface treatment of the separator:	sandblasted, partially painted (RAL colour tone)
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):	square flange
Standard electrical equipment of the separator:	external electric cable with a plug, METAL-WORK pneumatic cylinders, SIEMENS control system, 230 V, 1 F, 50 Hz
Other standard parameters:	colourful touch screen, external 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, sight glass

Other additionally paid options (beside the already mentioned options referring to the anti-abrasion protection, motor and connection types):	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):	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. The separator can be placed only horizontally.