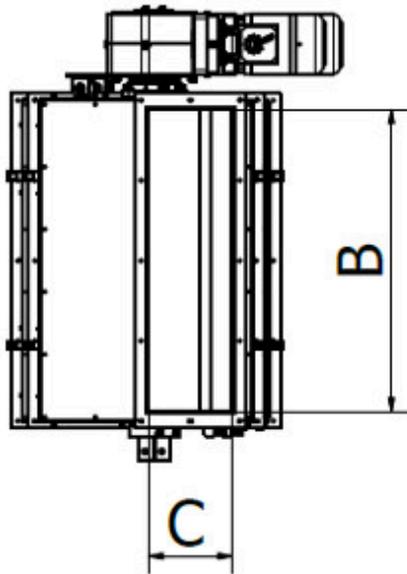
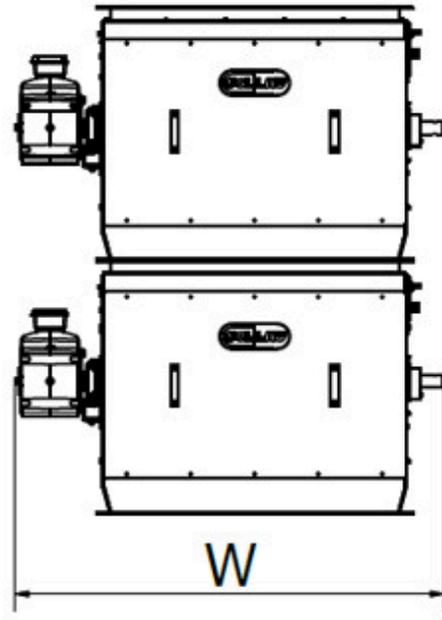
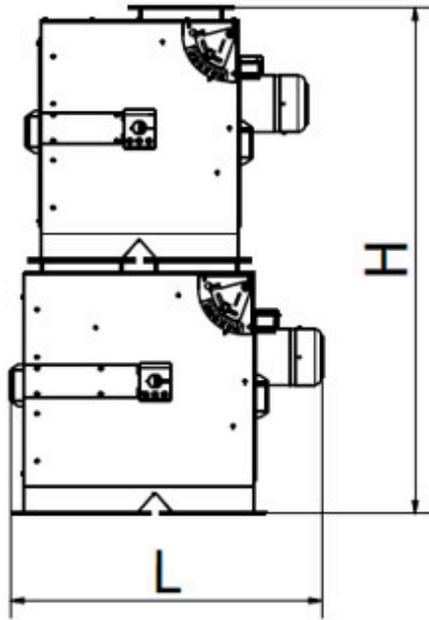


# Datasheet TMBZ 254 F 1000



		Dimensions (mm)					
Model	Weight (kg)	A	B	C	W	L	H
TMBZ 254 F 500	460	500	520	550	1100	830	1650
TMBZ 254 F 1000	910	1000	1020	550	1800	830	1650

<b>Parameter name</b>	<b>Value</b>
Description:	Multi-drum magnetic separator
Separator placement:	inside of a pipeline, connection to the conveyor belt system
Application (= the material that the application of this separator is suitable for):	bulk material
Material flow direction):	vertical, horizontal
Recommended for the belt of max. width (across the conveyor belt) (mm):	1000
Maximum effective reach of the magnetic field (mm):	30
Built-in standard magnet type:	ferrite magnet
Max. magnetic induction (G) on the surface of tube (+/- 10 %):	1450
Magnetic flux (G) on the magnetic core (+/- 10 %):	2800
Maximum capacity. The mentioned capacities are informative and non binding (m3/h):	75
Weight of the separator (kg):	910
Connecting dimension, inlet and outlet diameter of the separator (mm):	1000
Standard connection of the separator:	square flange
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):	1.5
Maximum size of the particles that can be captured by the separator (mm):	50
Max. operating temperature (°C):	100
Min. surrounding ambient temperature (°C):	-25
Max. surrounding ambient temperature (°C):	45
Material of the sealing:	silicone + NBR
Separator is suitable for vacuum or pressure conveying lines:	no
Separator is suitable for materials transported by:	gravity, pipeline, conveyor belt
Separator is able to capture paramagnetic particles:	no
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
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
Number of magnetic drums (it concerns only multi-drum separators):	3
Material of the separator body (that is in contact with the material):	DIN 1.4301
ATEX (on request):	zone 21, 22
Outer surface treatment of the separator:	sandblasted
Inner surface treatment of the separator:	clean steel (no surface treatment)
Magnetic system:	magnetic drum
Motor brand:	Nord
Main motor input (kW):	0.37
Definition of the main motor electrical connection:	400 V, AC, 50 Hz, , PE-N, TN-C-S, circuite 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):	28
Bearings:	SNR
Avaiable 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
Options of the extended anti-abrasion protection:	chemical nickel coating, plastic coating, rubberizing, ceramic lining
Other additionally paid options:	dust extraction opening
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):	wooden box, maritime packing according to clients needs
Warranty (months):	60

The guarantee does not apply to:

driveline, bearings, magnetic drum surface, wear parts (rubber dampers, seals)

This separator is always made according to special clients needs and that is why TMBZ 254 F/1000 is to be taken only as an example of one of various possible variants of this separator. 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. This magnetic separator can be delivered either in the version with more motors (i. e., one motor drives always one drum) or with the only motor (that drives all drums installed inside of VMBZ). Depending on the client's needs we are able to manufacture this device also in a two-tiered version. This two-tiered version is available in two variants: 1) variant for cleaning non-magnetic materials (in this case all the non-magnetic material passes through a double magnetic separation) 2) variant for cleaning magnetic materials (when all magnetic materials are cleaned twice). In case of a three-tiered version, both magnetic and non-magnetic materials are cleaned twice. Maximum material limit (MMC): 50 x 50 x 50 mm