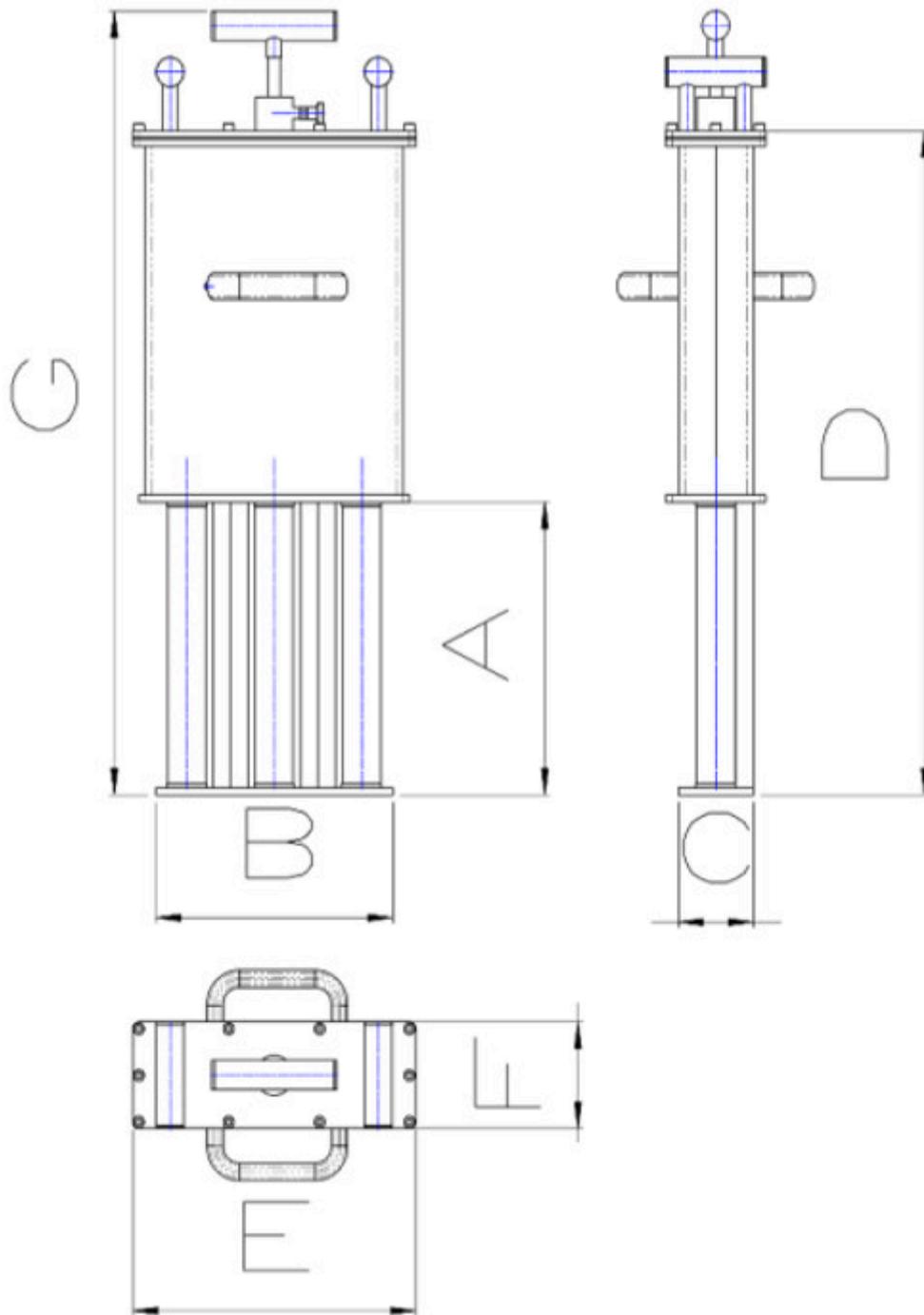


Datasheet MRZ 400/5 N



		Dimensions (mm)						
Model	Weight (kg)	A	B	C	D	E	F	G
MRZ 100 / 2 N	7	100	100	60	250	127	80	325
MRZ 150 / 3 N	8,5	100	150	60	250	177	80	325

MRZ 200 / 4 N	10	200	200	60	450	227	80	525
MRZ 250 / 4 N	12,5	200	250	60	450	277	80	525
MRZ 300 / 4 N	13	300	300	60	650	327	80	725
MRZ 350 / 5 N	14	300	350	60	650	377	80	725
MRZ 400 / 5 N	19	400	400	60	850	427	80	925
MRZ 450 / 5 N	28	400	450	60	850	477	80	925

Parameter name	Value
Description:	Magnetic grate separator for liquids
Separator placement:	inside of an open flow system
Application (= the material that the application of this separator is suitable for):	liquid material
Material flow direction):	horizontal
Built-in standard magnet type:	neodymium magnet N35
Max. magnetic induction (G) on the surface of tube (+/- 10 %):	10700
Magnetic flux (G) on the magnetic core (+/- 10 %):	17000
Weight of the separator (kg):	19
Connecting dimension, inlet and outlet diameter of the separator (mm):	400
Standard connection of the separator:	insertion into the material flow
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
Max. operating temperature (°C):	80
Min. surrounding ambient temperature (°C):	-25
Max. surrounding ambient temperature (°C):	45
Separator is suitable for vacuum or pressure conveying lines:	no
Separator is suitable for materials transported by:	gravity, 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
Cleaning of the separator:	manual cleaning (with easy cleaning system), it is necessary to interrupt the material flow during the cleaning
Diameter of the outer (protective) tube of the magnetic rod (mm):	32
Diameter of magnetic rod (mm):	29
Number of magnetic tubes:	5
System tube in tube:	no
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:	sandblasted
Magnetic system:	magnetic tube
Other additionally paid options:	polished tubes, magnets N52, semi-automatic cleaning
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):	wooden box, pallet, maritime packing according to clients needs
Warranty (months):	12

The separator can be delivered also in different dimensions, with higher temperature resistance, with different magnets upon a special request. It can be delivered also as in a semi-automatic variant (in such a case the magnetic cores are not handled manually but by a pneumatic piston)..