FELEMAMG

magnetism

- **Available in diameters of 800, 1000, 1200 and 1500 mm.**
- **They have three magnetic poles with different powers.**
- **Magnetic circuit balanced in weight to facilitate the circuit orientation.**
- **Regulation of the position of the magnetic circuit by means of an arm joined to one axis output.**
- **Non-magnetic manganese steel shell strongly ribbed. Second optional shell.**
- **They can be supplied assembled on a structure with their driving motor.**

CONSTRUCTION

The three longitudinal poles with alternate polarity form part of a solid, robust electromagnetic system, made of steel with high magnetic permeability.
The first pole of extreme power and reach has the mission to attract ferrous pieces. The second pole of intermediate power has the mission of facilitating the transfer of pieces attracted by the first one, dragged by the ribs of the shell of the drum; at the same time and because its polarity which is contrary to that of the first pole, it forces the ferrous pieces to turn arround themselves, thus allowing any non-magnetic material that has remained trapped between the ferrous pieces and the shell to be free.
Finally, the third pole of lower power allows the ferrous pieces to complete their transfer, dragged by the shell to the discharge point and allows a smooth exit of these pieces from the magnetic field.
The powerful coils are manufactured using a conductor heavily insulated with fiber glass and epoxy resin forming a block with great electrical and mechanical resistance.

ELECTROMAGNETIC DRUM

CIRCUIT TYPE "S"

APPLICATIONS

The electromagnetic drums type "S" have been designed with the purpose of replacing the classic "Overband" separators on a belt, in all those applications in which, because of the type or quantity of the material processed, the lifetime of the cleaning belt is short.
These drums generate powerful magnetic fields similar to those of the "Overband" separators, but they have the advantage that the cleaning belt is of manganese steel.
They are used in shredders, scrapyard plants and the magnetic separation of urban waste.

ASSEMBLIES

They have been designed to be fed from the base (Figure 1), that is to say to mount for extraction over a vibrating channel, conveyor belt, inclined plane, etc.
The cleanest product is obtained in this assembly.
It leaves the factory as standard assembled in a suitable position to be fed through the base.
On some occasions it can be fed from the top, for this it must be indicated in the purchasing order so that it can be delivered with the magnetic circuit in the requiered position for feeding from the top.

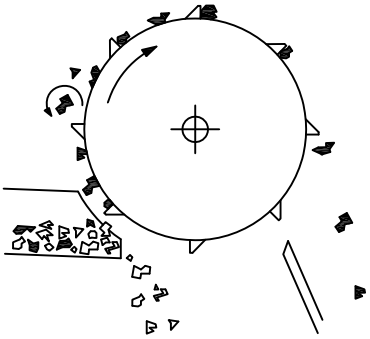


Figure 1. Feeding from the base

OPTIONAL ELEMENTS

DOUBLE SHELL. It can be supplied with a double shell. In this case the first shell is not ribbed and a second shell which is assembled over it which is heavily ribbed, constructed in two halves and joined by screws. This second ribbed shell is easily replaceable in the plant without the need to remove the drum from its working position.

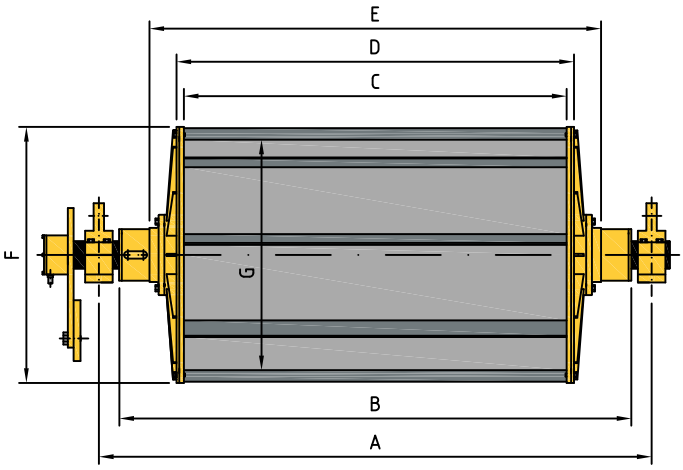
STRUCTURE AND MOTOR. The drums can be supplied with a type "S" shell assembled on a laminated profile frame with a gear motor, chain transmission, protections, etc, all completely ready to assemble on four supports to star working.

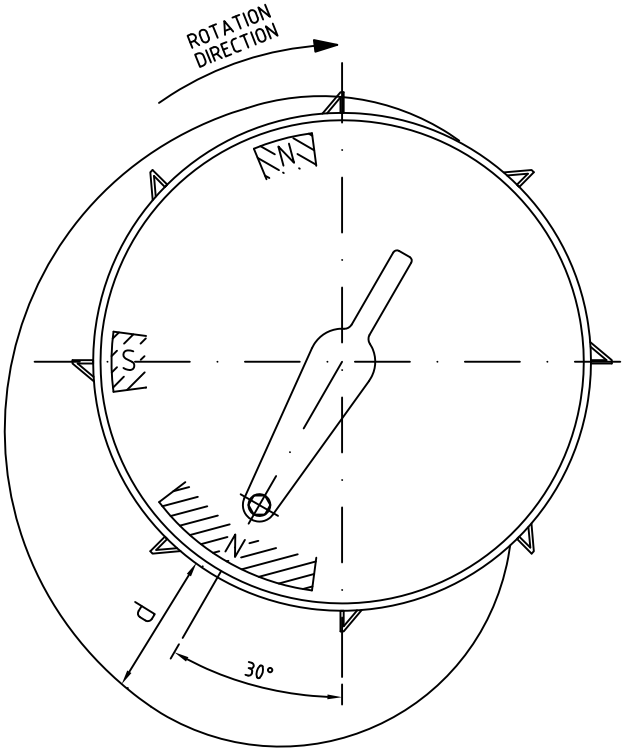
FELEMAMG
magnetism

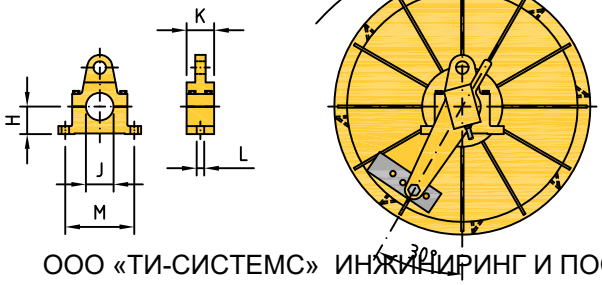
TYPES AND CHARACTERISTICS

TYPE	A	B	C	D	E	F	G	H	J	K	L	M	Consuption Kw	Net weight Kg	Magnetic field 400 Gauss at a distance "d" mm
SFP-88-S	1415	1275	800	860	1074	900	800	100	100	100	23	280	3,2	1600	200
SFP-810-S	1615	1475	1000	1060	1274								3,7	2000	
SFP-812-S	1815	1675	1200	1260	1474								4,2	2400	
SFP-814-S	2015	1875	1400	1460	1674								4,6	2800	
SFP-816-S	2215	2075	1600	1660	1874								5	3000	
SFP-1010-S	1740	1565	1000	1064	1300	1115	1000	120	120	120	23	300	4,6	2900	250
SFP-1012-S	1940	1765	1200	1264	1500								5,3	3400	
SFP-1014-S	2140	1965	1400	1464	1700								5,8	3900	
SFP-1016-S	2340	2165	1600	1664	1900								6,3	4400	
SFP-1018-S	2540	2365	1800	1864	2100								6,7	4900	
SFP-1210-S	1800	1595	1000	1074	1330	1315	1200	135	120	120	33	360	5,8	4100	300
SFP-1212-S	2000	1795	1200	1274	1530								6,6	4900	
SFP-1214-S	2200	1995	1400	1474	1730								7,3	5700	
SFP-1216-S	2400	2195	1600	1674	1930								7,8	6500	
SFP-1218-S	2600	2395	1800	1874	2130								8,2	7300	
SFP-1220-S	2800	2595	2000	2074	2330								8,5	8100	
SFP-1512-S	2200	1920	1200	1274	1640	1625	1500	170	150	140	43	475	8,3	6800	350
SFP-1514-S	2400	2120	1400	1474	1840								9,2	7700	
SFP-1516-S	2600	2320	1600	1674	2040								10	8600	
SFP-1518-S	2800	2520	1800	1874	2240								10,6	9500	
SFP-1520-S	3000	2720	2000	2074	2440								11,1	10400	
SFP-1522-S	3200	2920	2200	2274	2640								11,5	11300	

FELEMAMG reserves any possibility to modify dimensions and construction.







ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ
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WIDE RANGE OF CIRCULAR ELECTROMAGNETS

SELF-CLEANING PERMANENT MAGNET SEPARATORS TYPE SF1-RCP

ECCENTRIL EDDY CURRENT SEPARATORS TYPE SFME-29 FOR RECYCLING PLANTS

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