TYPE SPDS PERMANENT MAGNETIC DRUM SEPARATOR

Permanent Magnetic Drum Separator

For Automatic and Continuous
Removal of Tramp Iron
in Process Industries

- Chemical
- Plastic
- Ceramics
- Rubber
- Grain
- Foods
- Tobacco
- Minerals



POSITIVE PROTECTION
LOW COST
LIFETIME DEPENDABILITY

Inspired by the design advantage of Nd-Fe-B, SIMCO's engineers, in 1986, pioneered a new era in the development of efficient magnetic separation equipment. In the Nd-Fe-B Drum Separator, the exclusive Nd-Fe-B magnet assembly produces a uniform magnetic field up to 100 % more powerful than in ordinary permanent magnetic units!

IDEAL FOR SPOUT SYSTEMS

Here is a unit that is ideal for process industries wherever granular or pulverized materials are conveyed in closed chutes and spouts. The Nd-Fe-B Drum Separator continuously and automatically removes tramp iron, carries it out of the material flow and returns a clean product to the production process.

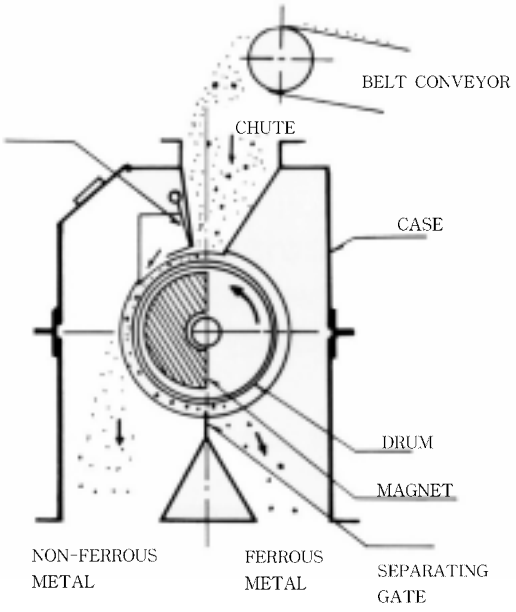
WORKING PRINCIPLE IS SIMPLE

In operation the SIMCO's Drum Separator consists of a revolving non-magnetic steel cylinder inside a welded steel housing. Material is fed onto the cylinder at the top and is carried over the stationery magnet assembly. The deep, uniform field attracts and holds tramp iron particles beyond the discharge of the clean, non-magnetic products. Tramp iron is released into a separate discharge as it passes out of the magnetic field.

IMPORTANT FEATURES

Numerous important features, built into the SIMCO's Nd-Fe-B Drum Separator, means superior performance.

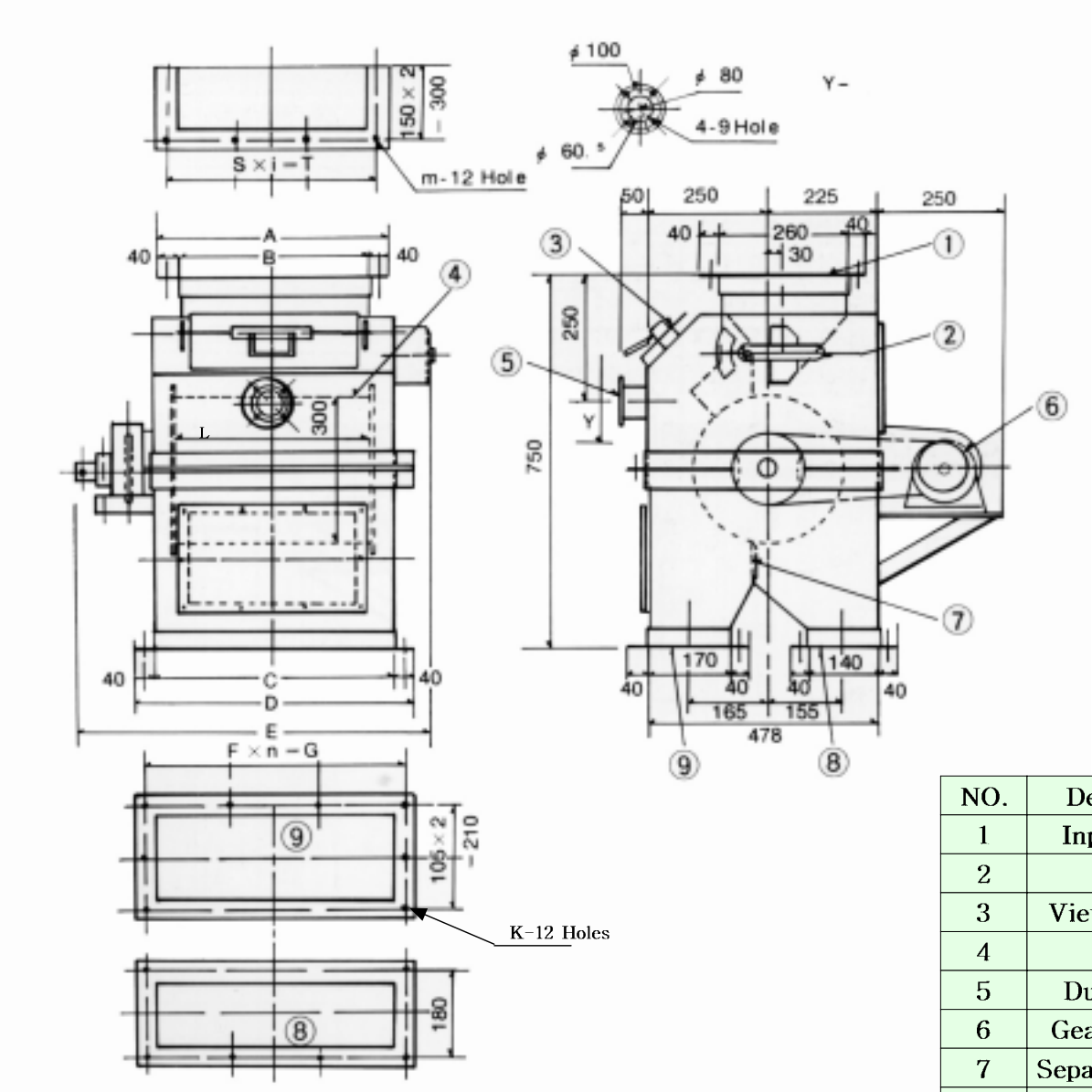
- Very high holding power at drum surface assures positive holding and transportation of tramp iron particles.
- Factory sealed bearings.
- Optional spouting arrangements
- Flanged housing mounts easily in any spouting system.
- Totally enclosed, dust-protective housing, no large seals required on Out Dia. of drum.



SIMCO SUNGSUNG INDUSTRIAL MACHINERY CO. http://www.simco.co.kr

TYPE SPDS PERMANENT MAGNETIC DRUM SEPARATOR

Series SPDS-30

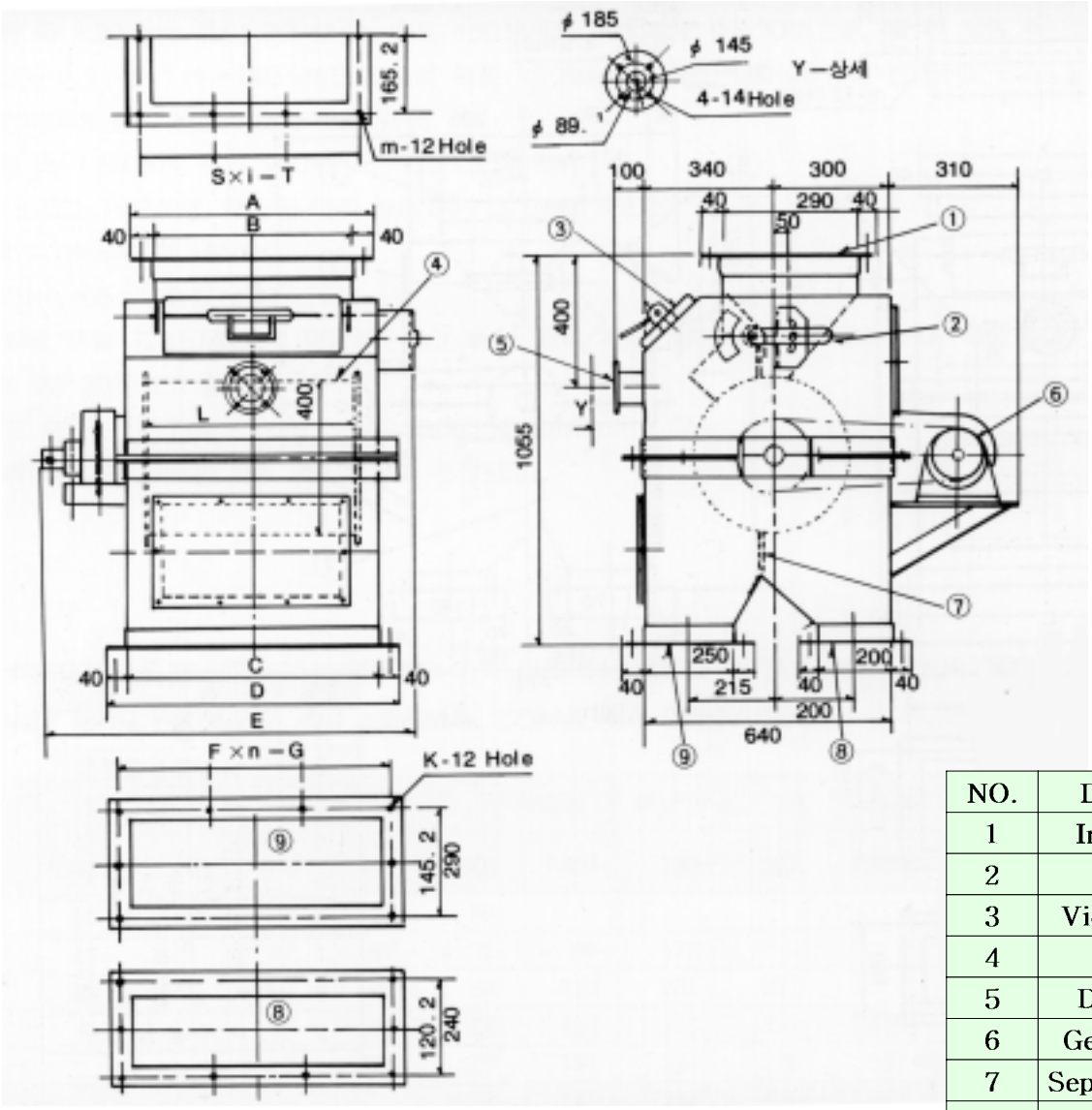


NO.	Description
1	Input Chute
2	Handle
3	View Window
4	Drum
5	Dust Outlet
6	Geared Motor
7	Separating Gate
8	Ferrous Outlet
9	Non-ferrous O.L

TYPE	A	B	C	D	E	L	m	S x i = T	K	F x n = G	WEIGHT (kg)	MOTOR (kw)	CAPACITY (cbm/hr.)
3030	300	220	380	460	665	300	8	130 x 2 = 260	18	154 x 3 = 462	145	0.2	1.3
3040	400	320	480	560	755	400	10	120 x 3 = 360	18	187 x 3 = 561	180	0.2	1.7
3050	500	420	620	700	855	500	10	154 x 3 = 462	18	220 x 3 = 660	215	0.2	2.1
3060	600	520	720	800	955	600	12	140 x 4 = 560	12	190 x 3 = 760	250	0.2	2.5

TYPE SPDS PERMANENT MAGNETIC DRUM SEPARATOR

Series SPDS-40

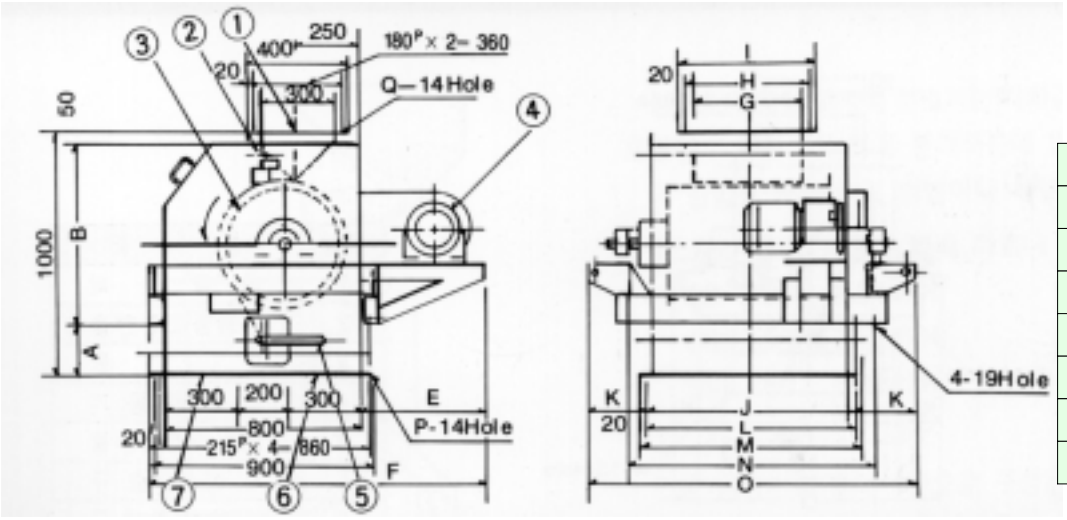


NO.	Description
1	Input Chute
2	Handle
3	View Window
4	Drum
5	Dust Outlet
6	Geared Motor
7	Separating Gate
8	Ferrous Outlet
9	Non-ferrous O.L

TYPE	A	B	C	D	E	L	m	S x i - T	K	F x n = G	WEIGHT (kg)	MOTOR (kw)	CAPACITY (cbm/hr.)
4030	300	220	420	500	700	300	8	130 x 2 = 260	20	154 x 3 = 462	180	0.2	2.3
4040	400	320	520	600	800	400	10	120 x 3 = 360	20	187 x 3 = 561	210	0.2	3
4050	500	420	620	700	915	500	10	154 x 3 = 462	20	220 x 3 = 660	240	0.4	3.8
4060	600	520	720	800	1000	600	12	140 x 4 = 560	24	190 x 3 = 760	275	0.4	4.5

TYPE SPDS PERMANENT MAGNETIC DRUM SEPARATOR

Series SPDS-46



NO.	Description
1	Input Chute
2	Handle
3	Drum
4	Geared Motor
5	Separating Gate
6	Ferrous Outlet
7	Non-ferrous O.L

TYPE	A	B	C	D	E	F	G	H	O	L	WEIGHT (kg)	MOTOR (kw)	CAPACITY (cbm/hr.)
4630	300	650	20	860	400	1250	300	180 x 2 = 360	1185	230 x 3 = 690	500	0.75	3
4645	275	675	20	860	450	1300	450	255 x 2 = 510	1350	215 x 4 = 860	600	1.5	4.5
4660	225	725	30	870	450	1315	600	220 x 3 = 660	1520	202 x 5 = 1010	800	1.5	6
4675	225	725	30	870	450	1315	750	270 x 3 = 810	1680	236 x 5 = 1180	1000	1.5	7.5
4690	200	750	30	870	500	1365	900	240 x 4 = 960	1840	268 x 5 = 1340	1200	2.2	9
46105	150	800	35	880	500	1375	1070	226 x 5 = 1130	2020	250 x 6 = 1500	1500	2.2	10.5
46120	150	800	35	880	500	1375	1220	256 x 5 = 1280	2170	332 x 5 = 1660	1800	2.2	12