

Direct Flow, Half and Counter Current Wet Drum Separator

Wet Drum Separator



- These roller separators are used in mines and coal processing facilities to separate wet & fine magnetic particles.
- There are 3 types of tanks : half-counter current, direct flow and counter current which are used depending on the granular dimensions.
- Evenly distributed magnetic circuit, strong coercive force and high remanence permanent magnets which can work for long periods.
- Suitable for harsh and high temperature environments and operates outdoors.
- Suitable for intense applications with an continuous duty cycle.
- Metal belt cladding available for sharp & jagged tramp particles.



Direct Flow type



Direct Flow type with Metal shield



Half countercurrent type

Product Code : WDS

All dimensions in metric units

Model No.	Roller Dimensions Dia x L	Magnetic Induction mT			Processing capacity		Driven Power	Roller Speed r/min	Weight (Kgs)
		Geometric Centre	Average surface	High	t/h	m3/h			
WDS-718	750 x 1800	120	155	180	20-45	72	3	35	2100
WDS-918	900 x 1800	148	165	190	25-55	90	4	28	2900
WDS-924	900 x 1800	148	165	190	35-70	110	4	28	3600
WDS-1018	1050 x 1800	148	165	190	40-70	120	5.5	22	4000
WDS-1021	1050 x 2100	160	165 / 240	190 / 280	45-88	140	5.5	22	4500
WDS-1024	1050 x 2400	160	165 / 240	190 / 280	52-100	140	5.5	22	5000
WDS-1030	1050 x 3000	160	240	280	65-125	160	7.5	22	6200
WDS-1218	1200 x 1800	160	240	240	47-90	200	5.5	22	5800
WDS-1224	1200 x 2400	148	165	165	82-120	140	7.5	19	6200
WDS-1230	1200 x 3000	148	165	165	80-150	240	7.5	19	7200
WDS-1530	1500x 3000	180	240	240	90-170	270	11	14	8900
WDS-1540	1500 x 4000	180	240	240	115-220	350	11	14	9900

Due to continuous upgradation in design there could be changes in specification. Other sizes on request. Before ordering, contact Supreme Magnets or your nearest dealer to confirm the suitability of this model for your application.

Roller Permanent Magnet Separator



Metal shell roller separator



Metal shell double roller