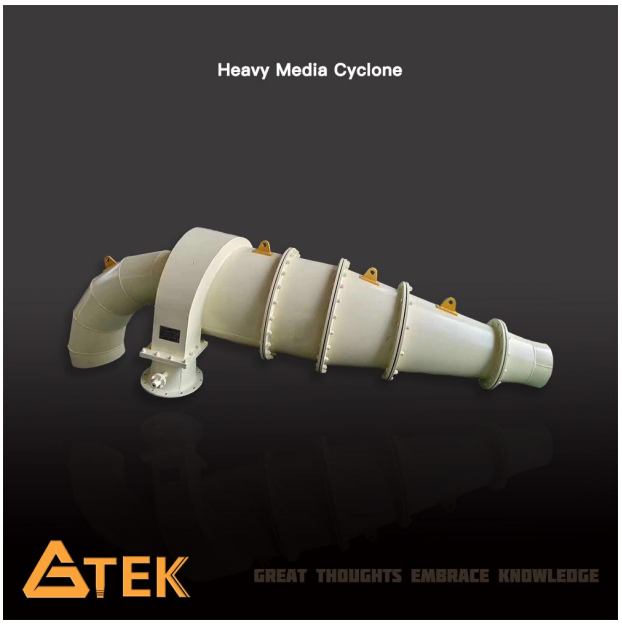
GTEK Laboratory
Two Product Dense Medium Cyclone Brochure

Description

Pump feed Two Product Dense Medium Cyclone is a conical vessel in which coal along with finely ground heavy media is pumped tangentially to the inlet of a cylindrical section followed by a conical section where the separation takes place. The higher specific gravity fractions being subject to greater centrifugal forces pull away from the central core and descend downwards towards the apex along the wall of cyclone body and pass out as rejects/ middlings. The lighter particles are caught in an upward stream and pass out as clean coal through the cyclone overflow outlet via the vortex finder. Gtek Two Product Cyclones are made of carbon steel material lined with high abrasion resistant ceramic material.



Advantages

- Less pump requirement and low energy consumption;
- Low installation and operation costs;
- Less heavy medium circulation in the system and less magnetite loss;
- High efficiency and large capacity
- Good wear resistance ceramic lining and long service time.

Technical Specification

Model	Internal Diameter (mm)	Feeding Size (mm)	Feeding Pressure (Mpa)	Processing Capacity (t/h)	Throughput (cu. m/hr)
2NZX1500	1500	≤100	0.10-0.20	560-600	1550-1800
2NZX1300	1300	≤90	0.10-0.20	460-540	1400-1600
2NZX1200	1200	≤80	0.10-0.18	400-460	1300-1400
2NZX1150	1150	≤80	0.10-0.17	350-420	1150-1300
2NZX1000	1000	≤70	0.10-0.15	300-360	1050-1150
2NZX900	900	≤70	0.09-0.14	280-320	800-1050
2NZX850	850	≤60	0.09-0.13	220-280	700-800
2NZX800	800	≤60	0.08-0.13	140-220	400-700
2NZX710	710	≤50	0.08-0.12	70-140	210-400
2NZX600	600	≤40	0.06-0.12	50-75	150-220
2NZX500	500	≤30	0.05-0.10	36-60	120-180
2NZX350	350	≤15	0.04-0.08	26-36	100-150

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