

GTEK MINERAL TECHNOLOGIES

Tel: +86-15958229409; +86-18602111147 Email: gtek@shaking-tables.com Web: www.mineral-technology.com

GTEK Hydrocyclone



Description

Hydrocyclone is a continuous device that utilizes centrifugal force to accelerate the settling rate of particles. When feed slurry enters the hydrocyclone tangentially under pressure, as result of the high centrifugal forces, particles coarser than the "cut point" size migrate into a primary vortex adjacent to the wall and move forward to discharge with a small volume of water via the spigot. Particles finer than the "cut point" size migrate into a secondary upward-moving vortex, along the axis of the hydrocyclone and discharge with the majority of the water via vortex finder.

Application

Hydrocyclone is one of the most important devices in the minerals industry, it 1-technolo is widely used in the mineral industry processing as a classifier, which has proved extremely efficient at fine separation size. Hydrocyclone is widely used in closed circuit grinding operations but it also has many other applications, such as desliming, degritting, and thickening.

Features & Benefits

- 1. Compact and simple structure 2. No moving parts
- 3. Low investment and running cost
- 4. Easy to install and simple to operate
- 5. High efficiency

• Technical Specification

Model	Interior Dia (mm)	Cone Angle (°)	Overa <mark>ll Pipe Dia</mark> (mm)	Feeding Size (mm)	Feeding Pressure (Mpa)	Processing Capacity (m³/hr)	Range (um)	Dimensions (LxWxH)(mm)		
FX660	660	20	180-240	16	0.03-0.2	250-350	74-220	1250	890	2650
FX500	500	20	130-200	10	0.03-0.3	140-220	74-200	850	790	2050
		15					74-150	850	790	2380
FX350	350	20	80-120	6	0.04-0.3	60-100	50-150	775	605	1765
		15					50-120	775	605	2115
FX300	300	20	65-115	5	0.04-0.3	45-85	50-150	665	585	1310
		15					40-100	665	585	1505
FX250	250	20	60-100	3	0.06-0.35	40-60	40-100	540	480	1180
		15					40-100	540	480	1220
		10					30-100	540	480	1380
FX200	200	20	40-65	2	0.06-0.35	25-40	40-100	435	360	1050
		15					30-100	435	360	1115
		10					30-100	435	360	1205
FX150	150	20	30-45	1.5	0.06-0.35	11-20	30-74	280	295	690
		15					30-74	280	295	900
		8					30-74	280	295	1270
FX125	125	17	25-40	1	0.06-0.35	8-15	20-100	210	185	620
		8					20-74	250	240	985
FX100	100	20	20-40	1	0.06-0.35	5-12	20-100	260	210	525
		15					20-100	268	215	720
		8					20-100	268	215	1000
FX75	75	15	15-22	0.6	0.1-0.4	2-5	20-74	240	230	465
		6					5-40	240	230	800
FX50	50	15	11-16	0.3	0.1-0.4	1-2	10-74	160	155	350
		6					5-30	160	155	590