

# GTEK FX Series Hydrocyclone Brochure

## Description

Hydrocyclone is a continuously device that utilizes centrifugal force to accelerate the settling rate of particles. During operation, the slurry feed enters the cyclone under pressure through the feed pipe into the top of the cylindrical feed chamber. As the feed enters the chamber, as result of the high centrifugal forces, the particles migrate downward in a spiral pattern through the cylindrical section and into the conical section. At this point the finer particles migrate toward the center and spiral upward and out through the vortex finder, discharging through the overflow pipe. The coarse particles remain in a downward spiral path along the walls of the conical section and gradually exit through the apex orifice.

## Application

- Dewatering
- Desliming
- Solids Concentration
- Sludge Classification
- Soil Washing and Separation

Lined Ceramic Hydrocyclone



GREAT THOUGHTS EMBRACE KNOWLEDGE

## Features & Benefits

1. Wear resistance rubber liner manufactured from superior natural rubber;
2. Wear resistance liner manufactured from high alumina oxide or reaction boned silicon carbide for some models;
3. No moving parts
4. Small space requirements
5. Easy to install and simple to operate
6. Low maintenance
7. Easy to service with tie bolts & clamp design

## Technical Specification

Model	Interior Dia (mm)	Cone Angle	Overflow Diameter (mm)	Feed Size (mm)	Inlet Pressure (Mpa)	Process Capacity (m3/h)	Range (um)	Dimensions (L*W*H)(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	10	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

www.gtekmineral.com  
lab@mineral-  
technology.com  
+86-159 5822 9409  
+86-138 6784 5744