

# GTEK Polyurethane Hydrocyclone Brochure

## Description

Hydrocyclone is a continuously device that utilizes centrifugal force to accelerate the settling rate of particles. GTEK manufacture polyurethane hydrocyclones are designed for separating solids from liquids and have proved to be successful in a board range of mineral processing applications. All GTEK hydrocyclones have a range of interchangeable vortex finders and spigots in different sizes and materials, allowing for optimization of separation.



## Application

- Sand and Slit Removal
- Mineral Classification
- Solids Concentration
- Sludge Classification
- Soil Washing and Separation
- Dewatering

## Features & Benefits

1. Abrasive resistance urethane
2. Fine micron separation
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 Diameter (mm)	Cone Angle (°)	Overflow Diameter (mm)	Feed Size (mm)	Feed Pressure (Mpa)	Process Capacity (m <sup>3</sup> /hr)	Range (um)	Dimensions (LxWxH)(mm)		
HC300-GJ	300	20	80-120	6	0.04-0.3	60-100	50-150	775	605	1765
		15					50-120	775	605	2115
HC250-PU	250	20	65-115	5	0.04-0.3	45-85	50-150	665	585	1310
		15					40-100	665	585	1505
HC200-PU	200	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
HC150-PU	150	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
HC125-PU	125	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
HC100-PU	100	17	25-40	1	0.06-0.35	8-15	20-100	210	185	620
		8					20-74	250	240	985
HC75-PU	75	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
HC50-PU	50	15	15-22	0.6	0.1-0.4	2-5	20-74	240	230	465
		6					5-40	240	230	800
HC25-PU	25	15	11-16	0.3	0.1-0.4	1-2	10-74	160	155	350
		6					5-30	160	155	590
HC10-PU	10	6	3-4	0.2	0.1-0.4	0.1-0.2	2-10	30	30	195