

# GTEK Small Diameter Hydrocyclone Brochure

## Description

Hydrocyclones have no moving parts and achieve solid liquid separation by virtue of a pressure drop across the unit. GTEK small diameter hydrocyclones are designed for very fine separations. In many applications small diameter cyclones can be used in place of decanting centrifuges, providing the desired result at lower cost. The small hydrocyclones are limited on capacity so large numbers of these might have to be manifolded together in a close pack type vessels.

## Application

Our small diameter hydrocyclones provide continuous efficient service in a number of applications including ultrafine separation, dewatering, classification and purification. They are used in a highly diverse range of applications including Kaolin processing, ore and mineral processing, environmental protection, as well as chemical industry.

## Technical Specification

Model	Capacity (cu.m/hr)	Inlet Concentration (%)	Inlet Pressure (MPa)	Material	
				Cyclone	Frame
GTF10-06	1.5	≤20	0.60-1.20	High abrasion resistant nonmetals	Stainless Steel
GTF10-60	15				
GTF10-99	25				
GTF25-04J	0.65-2.6	≤25	0.3-0.5	Polyurethane	
GTF50-04J	2.5-10		0.2-0.4		
GTF75J	≥4.5		0.15-0.35		
GTF150J	≥12.5		0.1-0.3		



## Features & Benefits

1. Fine solid separation
2. Lightweight and small footprint
3. Compact and simple structure
4. No moving parts
5. Simple to install
6. Easy to maintain
7. Maximum economic efficiency
8. Reduced capital costs