

## SUITABLE FOR SEPARATING A WIDE RANGE OF PRODUCTS, KNOWN FOR ITS HIGH EFFICIENCY AND LONG LIFE

### PROCESS DESCRIPTION

The hydro cyclone consists of a cylindrical upper part provided with an inlet and overflow. This part is mounted on a conical shaped housing fitted with an apex nozzle. Product is fed tangentially under a certain feed pressure. Centrifugal action forces the solids outward against the cyclone wall and downward through the apex nozzle. Fluid is forced upward in a vortex flow and is discharged through the overflow outlet.

### DESIGN

The hydro cyclone HC-50 is made of wear resistant polyurethane. The separation efficiency and concentration of the underflow is adjusted by exchanging the feed pressure and/or the apex diameter. The hydro cyclone is available as single unit with pressure gauge, control valve, transparent drain hose and mounting bracket.

Dependent on the given capacity up to 20 hydro-cyclones HC-50 are mounted to a manifold with central feed and overflow flange.



## BENEFITS

### HIGH WEAR RESISTANCE

- No moving parts
- Compact and robust design

### EXCELLENT PERFORMANCE

- High efficiency

SiccaDania offers extensive support including testing in our laboratory and on site. We will be obliged to elucidate on the various applications of SiccaDania equipment.

## TECHNICAL DATA



Sand/Clay/Grids	
Feed (l/h)	3500
Feed pressure (bar)	2.0

Other	
Feed (l/h)	5500
Feed pressure (bar)	3.5