

Hydro cyclone HC50

The hydrocyclone HC-50 is suitable for separating a wide range of products. The hydrocyclone HC-50 is known for its high efficiency and long life.

Applications

- Separation of any particles smaller than
- 2 millimeters and with a higher specific weight than the mother liquid

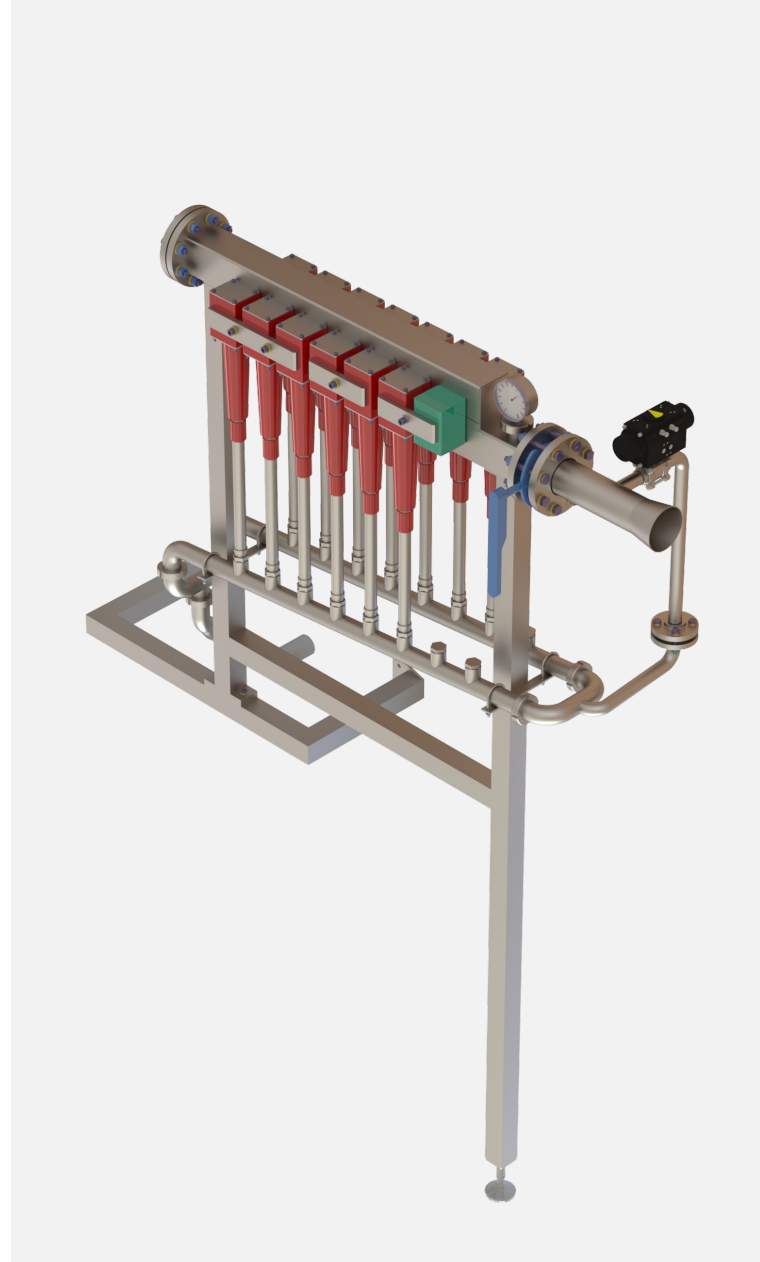
Removing coarse particles

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.

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.

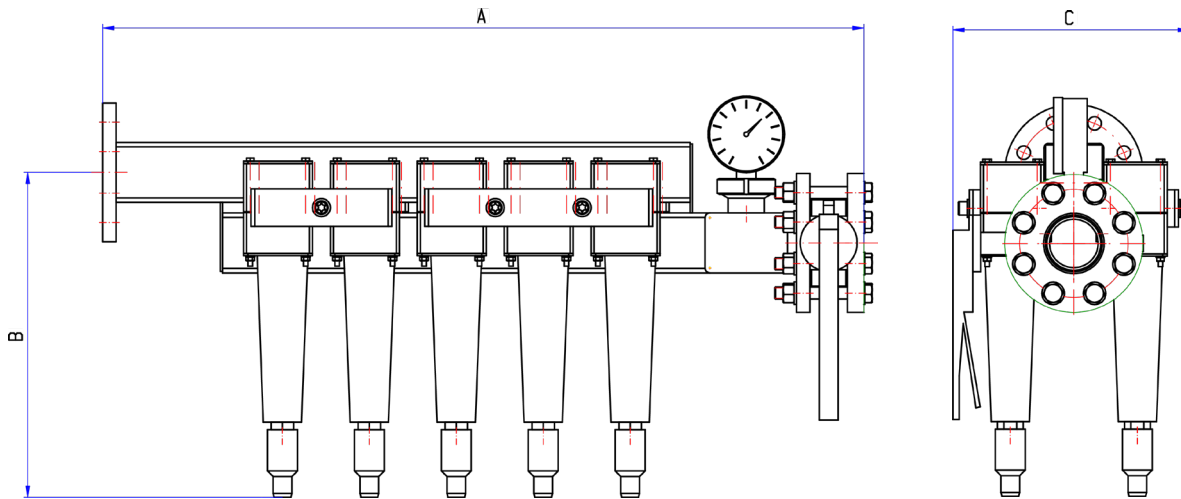
Dependent on the given capacity up to 20 hydrocyclones HC-50 are mounted to a manifold with central feed and overflow flange.



Benefits of the HC50 hydro cyclone

- High wear resistance
- No moving parts
- Compact and robust design

Technical data



Model	04	05/ 06	07/ 08	09/ 10	11/ 12	13/14	15/16
A (mm)	668	784	900	1016	1130	1244	1360
B (mm)	433	433	433	433	433	433	433
C (mm)	315	315	315	315	315	315	315
Weight (Kg) approx.	34	40/ 42	46/ 48	56/ 58	75	80	88

Dimensions & weight standard HC-50 D(ouble) hydrocyclone units

Sand/Clay/Grids

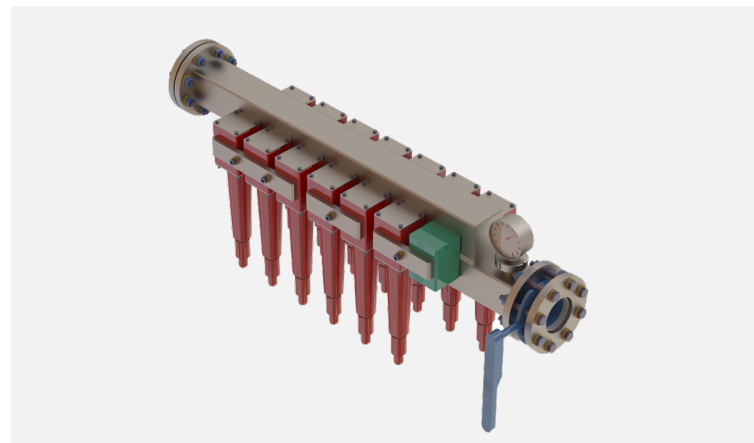
Feed (L/h) 3500

Feed pressure (bar) 2.0

Other

Feed (L/h) 5500-6000

Feed pressure (bar) 3.5



Design

Standard

- Compact and robust design

Options

- In-line equipment to prevent blockage
- Build as a turn-key system
- Density control
- CIP cleaning
- Different support frames