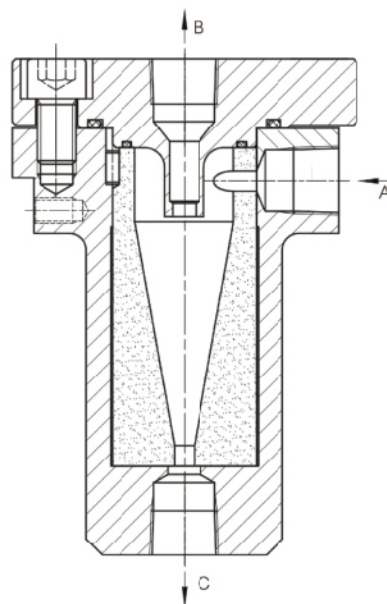
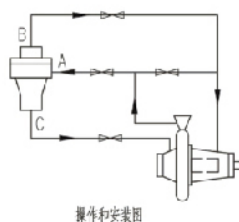


▣ Hydrocyclone Separator



Operation & Installation

- The CCY Series Hydrocyclone Separator must be installed vertically. The pressure at outlets (C) and (B) must be lower than the inlet pressure (A). Clean liquid is discharged through the top outlet (B), while separated impurities exit through (C) and return to the pump inlet.



- A** From Pump Outlet (Rc1/2)
- B** To Seal Chamber (Rc1/2)
- C** To Pump Inlet (Rc1/2)

Product Application

- Hydrocyclone separators are primarily used to remove impurities and solid particles from suspensions (e.g., wastewater, slurry, crude oil contaminants in circulation). For optimal filtration efficiency, the solid particle density should be significantly higher than the fluid (API 682, 4th Edition recommends at least 2:1 ratio). The minimum required pressure differential for operation is 0.17 MPa. For dual-bearing pumps, each mechanical seal should be equipped with a dedicated hydrocyclone separator.

Product Materials

Component	Standard	Alternative
Shell	316L	304
Liner	SiC	SiC

Design Parameters

Allowable Pressure
 6.4 MPa

Allowable Temperature
 125°C