

Dust Cyclone Collector

Reclaim and recycle powder dust

APPLICATIONS

Land and offshore drilling

ADVANTAGES

- Tank is emptied quickly and easily
- Switches generate high alarm when tank needs emptying
- Operator station exists for remote operation
- Installation suits new and existing bulk systems
- Cleaning and maintenance simplified as a result of no moving parts and no filters
- Tank sizes include 4.9 to 16.4 ft³ [5 to 5 m³], and tanks are custom engineered to project requirements
- Collector conforms to all relevant NORSOK and offshore requirements
- Dust pollution is reduced in the operator area

The Cameron dust cyclone collector is a cyclone-type separator that when compared to the separate dust collector tank, provides a well-proven and cost-effective bulk transfer dust handling system. Dusty air is directed into the cyclone, where stray dust particles are rapidly separated and then stored in the collector tank. The clean air is discharged via an outlet at the top of the cyclone. The collector tank is quickly and easily emptied, and the valuable powder dust returned to the appropriate bulk storage tanks. Quantitative tests provide proof of the dust cyclone collector separation factor.



Technical Specifications

Area classification	Safe zone
Operator control and monitoring	Local or remote via mud control system
Typical total and operating tank volume	71 and 60 ft ³ [2 and 1.7 m ³]
Dry weight	2,756 lbm [1,250 kg]
Design working pressure	87 and 72.5 psi [6 and 5 bar]
Tank material	ASME SA 516 Gr 70
Design temperature	-4 to 176 degF [-20 to 45 degC]
Instrumentation package	One pressure indicator
	One pressure transmitter
	One level switch
	One PSV
	One 8-in knife gate valve

Standard Scope of Supply

- Cyclone separator unit complete with the following
 - Standard instrumentation
 - Interface to mud control station
 - Standard documentation package

Options

- Alternative tank volume
- Additional instrumentation
- Additional certification (CE and Zone I and II)
- NORSOK documentation
- One 8-in actuated knife gate valve