

# Cement Discharge Valve

For optimal cement flow control

## APPLICATIONS

Land and offshore drilling operations

## ADVANTAGES

- Optimizes the fluidization process that occurs within the silo tanks
- Improves the bulk cement transfer process by reducing the time and resources required to perform a transfer
- Ensures a stable and controlled flow of cement from the bulk tanks to surge tanks during all cement jobs
- Provides a high level of precision, easier control, and better results during the bulk transfer process
- Extends endurance and decreases maintenance

The Cameron cement discharge valve (CDV) is a purpose-designed pinch valve that is used in the bulk cement storage and transport system. The CDV is installed at the bottom of the tank and is connected to the discharge pipe. Operators regulate the flow of cement by adjusting the opening (0 to 100%) between the discharge pipe and the piston. A remote-operated electric actuator is fitted to the CDV, enabling remote control and operation.

The mud control system (MCS) is used as the primary control system during normal cement discharge operations. Using the MCS control panel, operators can control the opening value (0 to 100%) of the CDV. The CDV can also be operated locally; however, Cameron recommends this only as a secondary control option.



## Technical Specifications

Area classification	Safe zone
Control and monitoring	Remote via MCS
Operating temperature	-4 to 176 degF [-20 to 45 degC]
Size (typical)	4 to 6 in [102 to 152 mm]
Weight	441 lbm [200 kg]
Certifications	DNV and ABS