

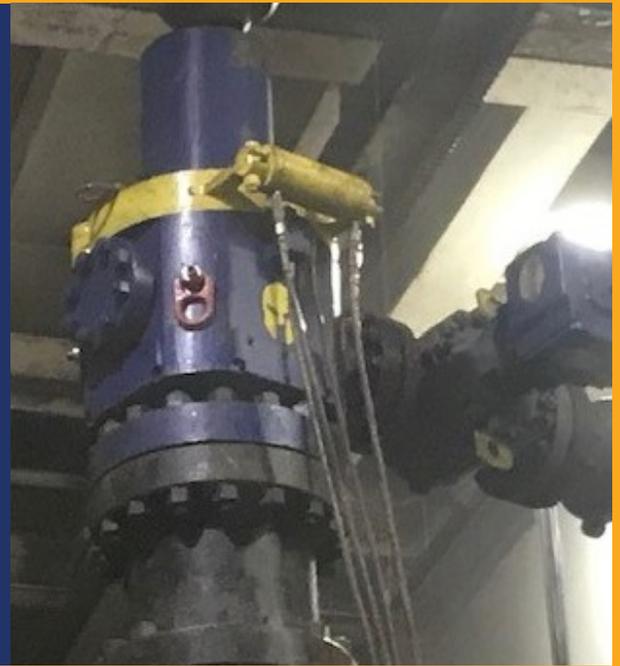
# SHIELD

## Medium-Pressure



SHIELD PRESSURE CONTROL®

## ROTATING CONTROL DEVICE



ADS Services rotating control devices have been designed to help operators overcome the challenges of drilling in extreme environments with confidence.

The Medium-Pressure Rotating control device is a proven design tested under field conditions. It has been designed to help operators overcome the challenges of drilling in extreme environments with confidence.

From the seal element geometry to the housing material selection, all components of the SHIELD Medium-Pressure RCD's ensure the safety of the rig crew by creating a leak free seal between the annulus and the drill pipe. The seal allows the operator to safely divert fluid returns during drilling and stripping operations.

The bearing design and internal dynamic seals extend the life of the sealing element allowing for fewer bearing assembly change outs therefore reducing Non-Productive Time (NPT).

The triple segment clamp mechanism with safety latch allows for quick bearing assembly installation. The clamp actuating piston is remotely operated and removes the requirement for rig personnel in hazardous zones.

### TECHNICAL OVERVIEW:

- Built to API 16 RCD
- 1000 psi dynamic rating @ 200 RPM
- 1500 psi dynamic rating @ 50 RPM
- 2000 psi static rating
- Quick change lower flange
- Sealed Bearing
- Replaceable side outlet flange
- 13 5/8" 5000 psi bottom flange
- 7 1/16" 3000 psi outlet flange

### APPLICATIONS:

- Drilling Safely with a Closed System
- Managed Pressure Drilling

### OPTIONS AND ACCESSORIES:

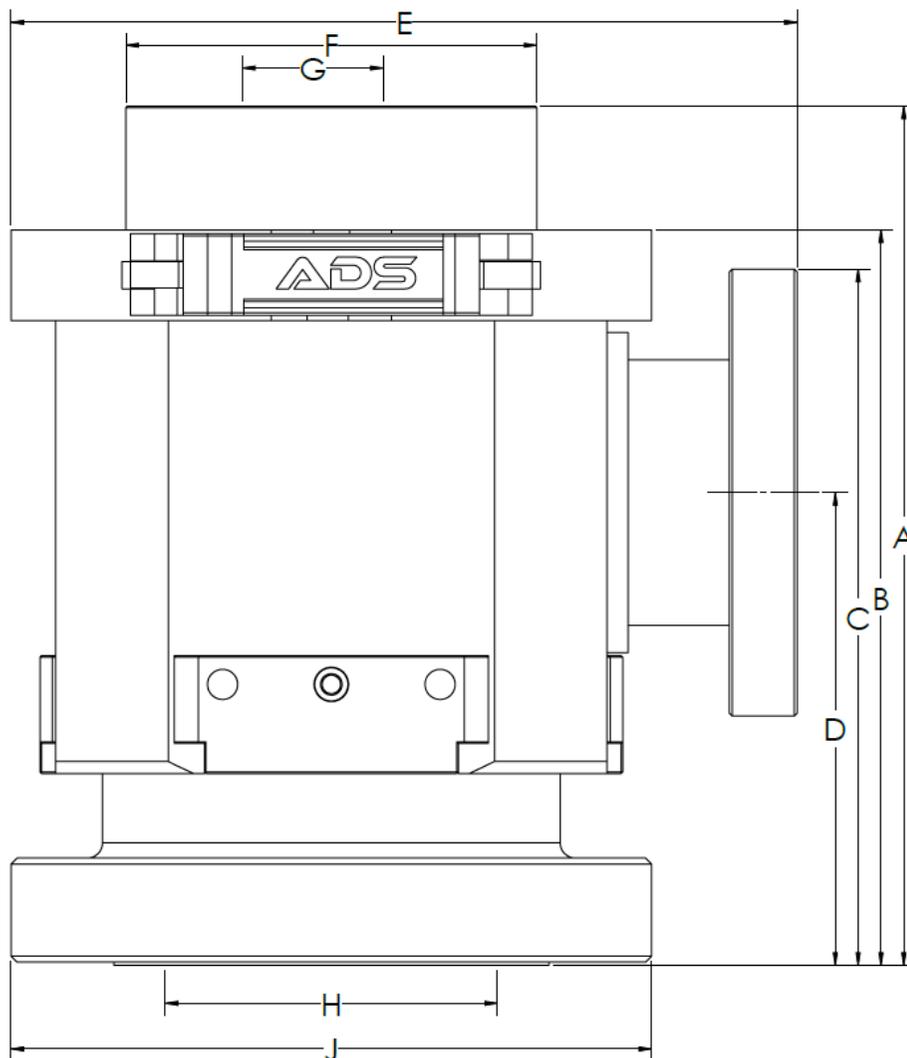
- Changeable Lower Flange
- Single element materials:
  - Rubber, NBR, HNBR, Urethane
- Second studded side outlet
- 2 inch studded inlet for equalization
- Logging Adaptors
- Drill Nipple
- Casing Stripper



ADS Services LLC  
10712 WCR 77  
Midland TX 79707  
(432) 218-4700  
[www.adsmppd.com](http://www.adsmppd.com)

# SHIELD Medium-Pressure

ROTATING CONTROL DEVICE



Dimensions (in.)

A	35.56
B	31.44
C	28.81
D	19.56
E	32.53
F	17.00
G	8.07
H	13.63
J	26.50
Weight	2,750 lbs
Bearing with Element	550 lbs



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