

# L-SERIES ROTATING CONTROL DEVICE

Higher performance at a lower cost

AFGlobal L-Series (land rig) rotating control device (RCD) is designed to help operators and drilling contractors confidently overcome the challenges of drilling in extreme environments onshore. From the seal element geometry to the housing material selection, all components of the L-Series RCD ensure the safety of the rig crew by creating a leak-free seal between the annulus and the drill pipe. This seal enables the operator to safely divert fluid returns during drilling and stripping operations.

The advanced bearing design and internal dynamic seals extend the life of the bearing, resulting in fewer bearing assembly change-outs and a reduction in non-productive time (NPT).

The clamp-less hydraulic latching dog mechanism enables quick one-piece bearing and seal assembly installation, and removes the requirement for rig personnel in hazardous zones.

## TECHNICAL OVERVIEW:

- Manufactured in accordance with API 16RCD
- Static ratings up to 5,000 psi
- Unique seal carrier design for extended rotary seal life
- Bearings mounted specifically for increased radial load capacity
- Precise bearing preload without the use of springs or shims
- Circulated or sealed bearing options
- Rotational speeds up to 220 rev/min

## APPLICATIONS:

- Managed pressure drilling
- Mud cap drilling
- Underbalanced drilling
- Extended reach wells
- Conventional applications

## OPTIONS AND ACCESSORIES:

- Single or dual sealing element
- Sealing element material available in natural rubber, NBR, HNBR, PU
- Logging / snubbing adaptors
- Bell nipple
- Sealed or lubricated bearing assembly options

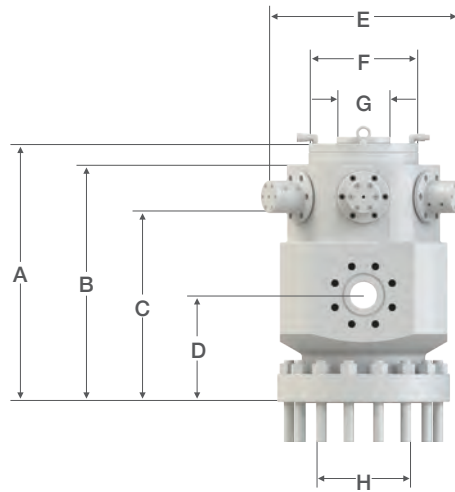


## SUMMARY OF THE AFGLOBAL L-SERIES RCD TECHNICAL SPECIFICATIONS

Compliance with Standards:	API 16RCD
Material Specification:	AISI 4130
NACE Compliance for H2S Exposure:	NACE MR0175
Standard Material Temperature Rating	-20°F to 250°F (-29°C to 121°C) (API 16A Classification T-20/250)

MODEL NO.	BOTTOM FLANGE (in. x psi)	ELEMENTS	OUTLETS (in. x psi)	STATIC PRESSURE (psi)	DYNAMIC PRESSURE (psi)	MAX REV/MIN	LATCHING DOGS	DEPLOYMENT DRILL PIPE
L-0730-03 L-0710-05	7 1/16 x 3M 7 1/16 x 5M	Single/ Double	2 1/16 x 5M 4 1/16 x 5M 7 1/16 x 5M	3000	2000	220	6	3 1/2-in. to 5-in.
L-1130-03 L-1130-05	11 x 3M 11 x 5M	Single/ Double	2 1/16 x 5M 4 1/16 x 5M 7 1/16 x 5M	3000	2000	220	6	3 1/2-in. to 5-in.
L-1330-03 L-1330-05	13 5/8 x 3M 13 5/8 x 5M	Single/ Double	2 1/16 x 5M 4 1/16 x 5M 7 1/16 x 5M	3000	2000	220	6	3 1/2-in. to 5 7/8-in.
L1350-03 L1350-05	13 5/8 x 3M 13 5/8 x 5M	Single/ Double	2 1/16 x 5M 7 1/16 x 5M 7 1/16 x 5M	5000	2500	220	8	3 1/2-in. to 5 7/8-in.
L2120-02	21 1/4 x 2M	Single/ Double	2 1/16 x 5M 4 1/16 x 5M 7 1/16 x 5M	2000	1000	220	4	3 1/2-in. to 5 7/8-in.

L1350 REFERENCE DIMENSIONS (IN.)	
A	41.38
B	36.73
C	29.24
D	16.625
E	39.00
F	16.875
G	7.5
H	13.625



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