



The Washington Series 2000 is a low profile Rotating Control Device designed for top drive rigs or work over rigs. The frictional engagement between the drill string and stripper rubber rotates the Control Device with the drill string sealing off the well bore continuously while diverting all cuttings and debris. Whether you are drilling gas, oil or geothermal wells, Washington Rotating can accommodate all your diverter needs.

This unit is designed to be used with our Part #2010 Stripper Rubbers and will seal off all drill steel from 2"-5" OD.

### MODEL 2000 SPECIFICATIONS

Dynamic Test Pressure (Rotating)	150 p.s.i.
Static Test Pressure	600 p.s.i.
Maximum r.p.m. (Intermittent)	300 r.p.m.
Stripper Rubber Mounting	Screw-on
Rotary Table Drive	Yes
Top Drive	Yes
Oil System	Self-contained pressurized

#### 2000 Series - Rotating

Nominal Flange Size	A	B	C	D	Body Bore E	Sleeve Bore F	Ring Gasket	Outlet*
7 <sup>1</sup> / <sub>16</sub> " - 3000	25 <sup>7</sup> / <sub>8</sub> "	18 <sup>3</sup> / <sub>8</sub> "	7 <sup>3</sup> / <sub>4</sub> "	6 <sup>7</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	5 <sup>5</sup> / <sub>8</sub> "	R-45	7" - 8RD Female
7 <sup>1</sup> / <sub>16</sub> " - 5000	26 <sup>3</sup> / <sub>8</sub> "	18 <sup>7</sup> / <sub>8</sub> "	7 <sup>3</sup> / <sub>4</sub> "	7 <sup>3</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	5 <sup>5</sup> / <sub>8</sub> "	R-46	7" - 8RD Female
9" - 3000	24 <sup>7</sup> / <sub>8</sub> "	17 <sup>3</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>2</sub> "	6 <sup>5</sup> / <sub>8</sub> "	9"	5 <sup>5</sup> / <sub>8</sub> "	R-49	7" - 8RD Female
9" - 5000	25 <sup>3</sup> / <sub>8</sub> "	17 <sup>7</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>2</sub> "	7 <sup>1</sup> / <sub>8</sub> "	9"	5 <sup>5</sup> / <sub>8</sub> "	R-50	7" - 8RD Female
11" - 3000	25 <sup>3</sup> / <sub>8</sub> "	17 <sup>7</sup> / <sub>8</sub> "	11 <sup>3</sup> / <sub>4</sub> "	7 <sup>3</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>8</sub> "	5 <sup>5</sup> / <sub>8</sub> "	R-53	7" - 8RD Female
11" - 5000	25 <sup>1</sup> / <sub>2</sub> "	18"	11 <sup>3</sup> / <sub>4</sub> "	7 <sup>1</sup> / <sub>2</sub> "	11 <sup>1</sup> / <sub>8</sub> "	5 <sup>5</sup> / <sub>8</sub> "	R-54	7" - 8RD Female
13 <sup>5</sup> / <sub>8</sub> " - 3000	22 <sup>3</sup> / <sub>8</sub> "	14 <sup>7</sup> / <sub>8</sub> "	9 <sup>1</sup> / <sub>4</sub> "	7"	14"	5 <sup>5</sup> / <sub>8</sub> "	R-57	7" - 8RD Female
13 <sup>5</sup> / <sub>8</sub> " - 5000	22 <sup>3</sup> / <sub>8</sub> "	14 <sup>7</sup> / <sub>8</sub> "	9 <sup>1</sup> / <sub>4</sub> "	7"	14"	5 <sup>5</sup> / <sub>8</sub> "	BX-160	7" - 8RD Female

#### 2000 Series - Non-Rotating

Nominal Flange Size	B	C	D	Body Bore E	Sleeve Bore F	Ring Gasket	Outlet*
7 <sup>1</sup> / <sub>16</sub> " - 3000	18 <sup>3</sup> / <sub>8</sub> "	7 <sup>3</sup> / <sub>4</sub> "	6 <sup>7</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	5 <sup>5</sup> / <sub>8</sub> "	R-45	7" - 8RD Female
7 <sup>1</sup> / <sub>16</sub> " - 5000	18 <sup>7</sup> / <sub>8</sub> "	7 <sup>3</sup> / <sub>4</sub> "	7 <sup>3</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	5 <sup>5</sup> / <sub>8</sub> "	R-46	7" - 8RD Female
9" - 3000	17 <sup>3</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>2</sub> "	6 <sup>5</sup> / <sub>8</sub> "	9"	5 <sup>5</sup> / <sub>8</sub> "	R-49	7" - 8RD Female
9" - 5000	17 <sup>7</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>2</sub> "	7 <sup>1</sup> / <sub>8</sub> "	9"	5 <sup>5</sup> / <sub>8</sub> "	R-50	7" - 8RD Female
11" - 3000	17 <sup>7</sup> / <sub>8</sub> "	11 <sup>3</sup> / <sub>4</sub> "	7 <sup>3</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>8</sub> "	5 <sup>5</sup> / <sub>8</sub> "	R-53	7" - 8RD Female
11" - 5000	18"	11 <sup>3</sup> / <sub>4</sub> "	7 <sup>1</sup> / <sub>2</sub> "	11 <sup>1</sup> / <sub>8</sub> "	5 <sup>5</sup> / <sub>8</sub> "	R-54	7" - 8RD Female
13 <sup>5</sup> / <sub>8</sub> " - 3000	14 <sup>7</sup> / <sub>8</sub> "	9 <sup>1</sup> / <sub>4</sub> "	7"	14"	5 <sup>5</sup> / <sub>8</sub> "	R-57	7" - 8RD Female
13 <sup>5</sup> / <sub>8</sub> " - 5000	14 <sup>7</sup> / <sub>8</sub> "	9 <sup>1</sup> / <sub>4</sub> "	7"	14"	5 <sup>5</sup> / <sub>8</sub> "	BX-160	7" - 8RD Female

#### WHEN ORDERING, PLEASE SPECIFY:

1. model number 2. lower flange size 3. outlet flange size 4. Kelly size and shape 5. drill pipe size 6. drilling environment 7. high temperature, if applicable.

All air bowls can be fitted with female collared or flanged outlets at your request. All air bowls can be double drilled at your request.

\*Can be fitted with larger coupled outlet or flanged outlet.

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## SERIES 2000 ROTATING CONTROL DEVICES (Top Drive Rigs)



Illustration shown is 7" - 8RD Female

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Our test pressures have been established through controlled test procedures. As a result of the ever-changing environment of well drilling operations along with wear and tear on equipment, which erodes longevity and safe operating parameters, Washington Rotating Control Heads, Inc., its Business Units, Agents and Affiliates make no warranty either expressed or implied on the test pressures contained herein. Washington Rotating Control Heads, Inc. does not under any circumstances recommend that its rotating control devices be used as primary blow out prevention equipment.