



## Wet Running Seal With Bearing (WRBG 820 Series)

### WRBG 820



Wet Running Seal With Bearing WRBG 820 Series is factory assembled & dynamic tested seal for steel, glass lined & SS mixers, agitators & vessels. These are used with non pressurised barrier fluid preferably clean soft water because of its good heat transfer qualities. Fluids like oil, hydrocarbon, solvents etc. can also be used as buffer fluid by considering the corrosion resistance of wetted parts and Compatibility with main media to be sealed. These seals are supplied with cooling water jacket which ensures cool running of the seal.

**Applications :** Corrosive Chemicals, General & Light Chemicals, Food Products, Pharmaceutical Industries, Agitators & Mixers.

#### Seal Components :

##### Seal Face :

Carbon / Ceramic

Carbon / Silicon Carbide

Carbon / Tungsten Carbide

**Secondary Seal :** Elastomers, TCV

**Metal Parts :** SS 304, SS 316, Hastelloy-C,  
Hastelloy-B, Monel, Alloy-20

#### Seal Characteristics :

- Single Acting
- Reverse Balanced
- Outside Mounted
- Independent of Direction of Rotation
- With Bearing

#### Operating Parameters :

Shaft Dia : 25 to 150 mm

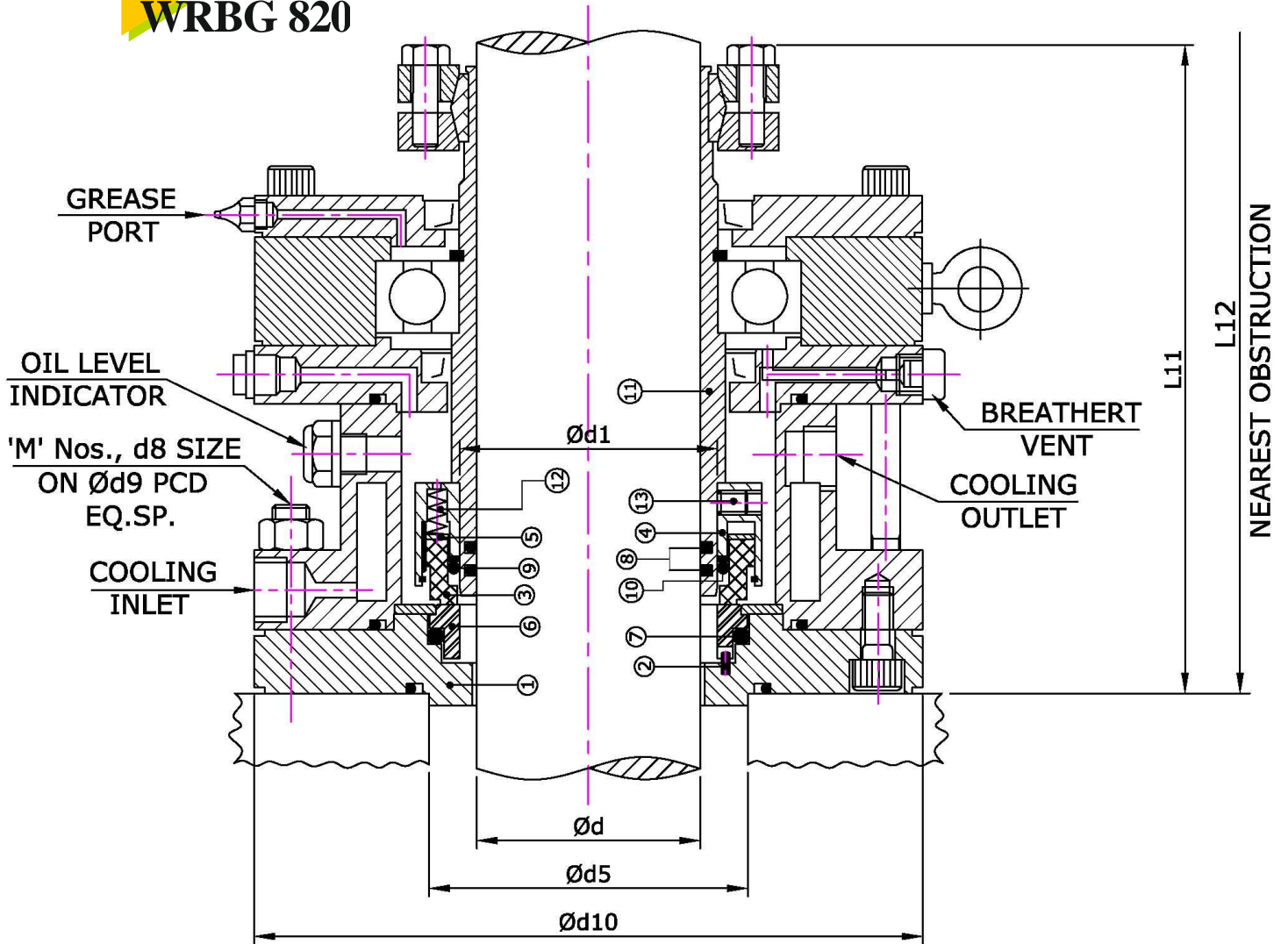
Pressure : Vacuum to 8 Bars (max)

Temperature : Ambient to +180°C

Speed : Up to 320 rpm



## WRBG 820



ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	GLAND	8	O RING
2	PIN	9	O RING
3	SEAL RING	10	BACK-UP RING
4	RETAINER	11	SLEEVE
5	THRUST RING	12	SPRING
6	MATING RING	13	SET SCREW
7	O RING		



## WRBG 820 DIMENIONS IN MILLIMETER

SHAFT SIZE	SEAL SIZE						
$d^{g6}$	$d1^{+0.00/-0.05}$	$d5^{H12}$	M,d8	d9	d10	L11	L12
25.0	35.0	75.0	4,M10	130.0	150.0	200.0	240.0
30.0	41.5	80.0	4,M10	135.0	155.0	200.0	240.0
35.0	44.5	85.0	4,M10	140.0	160.0	210.0	250.0
40.0	50.8	90.0	4,M10	145.0	165.0	210.0	250.0
45.0	54.0	95.0	4,M10	155.0	175.0	215.0	255.0
50.0	60.5	100.0	4,M10	155.0	175.0	215.0	255.0
55.0	67.0	105.0	6,M12	175.0	200.0	220.0	260.0
60.0	70.0	110.0	6,M12	180.0	205.0	220.0	260.0
65.0	76.5	115.0	6,M12	185.0	210.0	220.0	260.0
70.0	82.5	120.0	6,M12	190.0	215.0	220.0	260.0
75.0	86.0	125.0	6,M12	195.0	220.0	225.0	265.0
80.0	92.0	130.0	6,M12	200.0	225.0	225.0	265.0
85.0	95.5	135.0	8,M16	220.0	250.0	230.0	270.0
90.0	101.5	140.0	8,M16	225.0	255.0	240.0	280.0
95.0	105.0	145.0	8,M16	245.0	275.0	250.0	290.0
100.0	111.0	160.0	8,M16	250.0	280.0	250.0	290.0
105.0	114.3	165.0	8,M16	255.0	285.0	255.0	295.0
110.0	120.5	170.0	8,M16	260.0	290.0	255.0	295.0
115.0	127.0	175.0	8,M16	265.0	300.0	255.0	295.0
120.0	130.2	180.0	8,M16	270.0	300.0	255.0	295.0
125.0	136.5	195.0	8,M16	275.0	320.0	255.0	295.0
130.0	139.7	200.0	8,M16	280.0	320.0	255.0	295.0
135.0	146.0	205.0	8,M16	290.0	335.0	255.0	295.0
140.0	152.5	210.0	8,M16	295.0	345.0	265.0	305.0
145.0	155.5	215.0	8,M16	300.0	355.0	265.0	305.0
150.0	162.0	220.0	8,M16	300.0	365.0	265.0	305.0