

Type: CSA

Features:

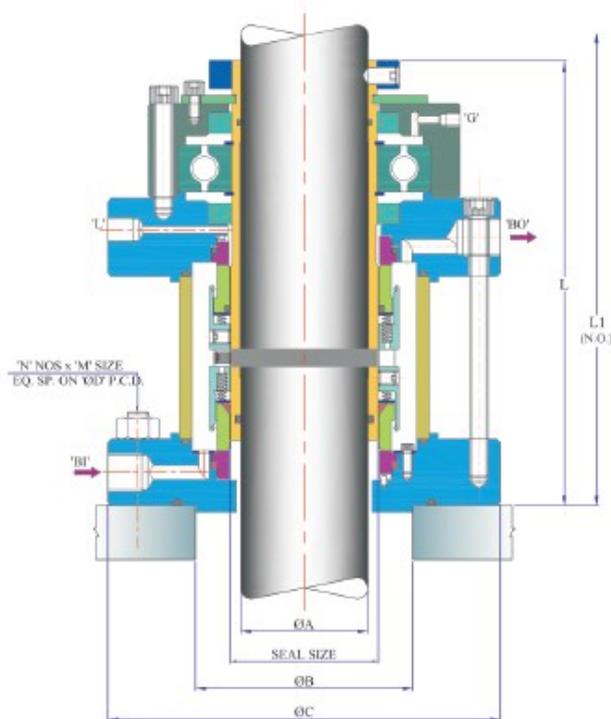
- Double Seal
- Unbalance seal
- Cartridge unit
- Easy installation
- Independent of direction of rotation

Application:

This seal is used in chemical industries, process industries on top entry agitators, dryers, mixers etc.

Operating Condition:

- Temperature : 35°C to 250°C
- Pressure : Upto 20 bar
- Speed : 5 m/s



Seal Size	ØA	ØB	ØC	ØD	L	L1	N X M
1.375	25.0	75.0	150.0	130.0	240.0	280.0	4 X M10
1.625	30.0	80.0	155.0	135.0	240.0	280.0	4 X M10
1.750	35.0	85.0	160.0	140.0	240.0	280.0	4 X M10
2.000	40.0	90.0	165.0	145.0	245.0	285.0	4 X M10
2.125	45.0	95.0	175.0	155.0	245.0	285.0	4 X M10
2.375	50.0	100.0	175.0	155.0	245.0	285.0	4 X M10
2.625	55.0	105.0	200.0	175.0	276.0	315.0	6 X M12
2.750	60.0	110.0	205.0	180.0	276.0	315.0	6 X M12
3.000	65.0	115.0	210.0	185.0	276.0	315.0	6 X M12
3.250	70.0	120.0	215.0	190.0	282.0	320.0	6 X M12

3.375	75.0	125.0	220.0	195.0	282.0	320.0	6 X M12
3.625	80.0	130.0	225.0	200.0	282.0	320.0	6 X M12
3.750	85.0	135.0	250.0	220.0	290.0	330.0	8X M16
4.000	90.0	140.0	255.0	225.0	300.0	330.0	8X M16
4.125	95.0	145.0	275.0	245.0	340.0	380.0	8X M16
4.375	100.0	160.0	280.0	250.0	340.0	380.0	8X M16
4.500	105.0	165.0	285.0	255.0	340.0	380.0	8X M16
4.750	110.0	170.0	290.0	260.0	345.0	385.0	8X M16
5.000	115.0	175.0	300.0	265.0	345.0	385.0	8 X M18
5.125	120.0	180.0	300.0	270.0	345.0	385.0	8 X M18
5.375	125.0	195.0	320.0	275.0	345.0	385.0	8 X M18
5.500	130.0	200.0	320.0	280.0	375.0	415.0	8 X M18
6.000	140.0	210.0	345.0	295.0	380.0	420.0	8 X M18

Type: CS 5A

Features:

- Single Seal
- Balance seal
- Outside mounted seal
- Dry running

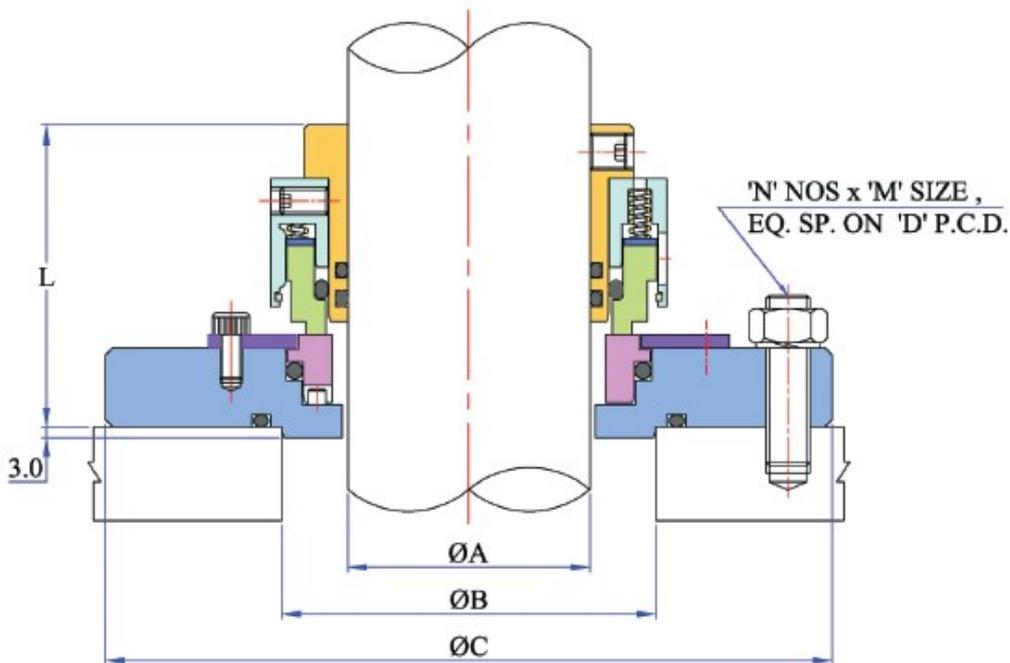
Application:

This seals is used for top entry agitator, mixer, chemical industry, pharmaceutical industry food and beverage industry, non-toxic media



Operating Condition:

- Temperature : Ambt to 120°C
- Pressure : Upto 10 bar
- Speed : 120 rpm



Seal Size	ØA	ØB	ØC	D P.C.D.	N	M	L
1.000	15.0	40.0	105.0	90.0	4	M8	60.0
1.125	20.0	45.0	110.0	95.0	4	M8	60.0
1.375	25.0	50.0	120.0	105.0	4	M8	65.0

1.375	25.0	50.0	120.0	105.0	4	M8	65.0
1.500	30.0	60.0	135.0	115.0	4	M10	65.0
1.750	35.0	65.0	140.0	120.0	4	M10	80.0
2.000	40.0	70.0	150.0	130.0	4	M10	80.0
2.125	45.0	75.0	155.0	135.0	4	M10	80.0
2.375	50.0	80.0	160.0	140.0	4	M10	80.0
2.500	55.0	85.0	165.0	145.0	4	M10	80.0
2.750	60.0	90.0	170.0	150.0	4	M10	80.0
3.000	65.0	100.0	180.0	160.0	6	M10	80.0
3.125	70.0	105.0	185.0	165.0	6	M10	80.0
3.375	75.0	110.0	190.0	170.0	6	M10	80.0
3.500	80.0	120.0	200.0	175.0	6	M12	80.0
3.750	85.0	130.0	205.0	185.0	6	M12	80.0
4.000	90.0	140.0	210.0	190.0	8	M12	80.0

Type: CSA-J

Features:

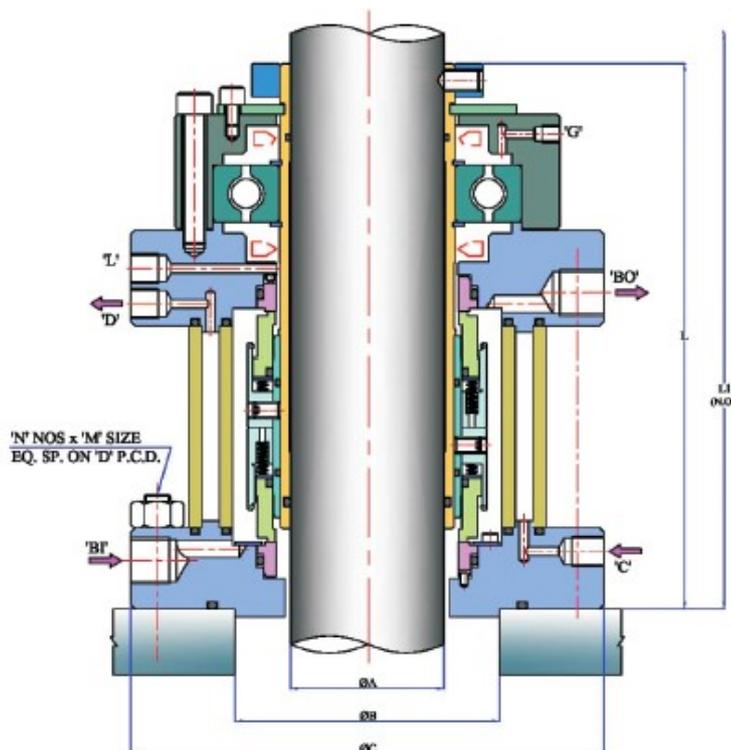
- Balanced
- Double Back to Back
- Independent of direction of rotation
- Cartridge unit

Application:

This seal is used in chemical industries, pharmaceutical industry agitator and reactors, light hydrocarbons.

Operating Condition:

- Temperature : Ambt to 205°C
- Pressure : Upto 25 bar
- Speed : 150 rpm



Seal Size	Shaft Size ØA	ØB	ØC	D P.C.D.	L	L1(N.O.)	N X M
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SIZE	ØA	ØB	ØC	ØD	ØE	ØF	ØG	BOLTS
1.625"	25.0	75.0	150.0	130.0	240.0	280.0	280.0	4,M10
1.875"	30.0	80.0	155.0	135.0	240.0	280.0	280.0	4,M10
2.000"	35.0	85.0	160.0	140.0	240.0	280.0	280.0	4,M10
2.250"	40.0	90.0	165.0	145.0	245.0	290.0	290.0	4,M10
2.500"	45.0	95.0	175.0	155.0	245.0	290.0	290.0	4,M10
2.625"	50.0	100.0	175.0	155.0	245.0	290.0	290.0	4,M10
2.875"	55.0	105.0	200.0	175.0	280.0	320.0	320.0	6,M12
3.125"	60.0	110.0	205.0	180.0	280.0	320.0	320.0	6,M12
3.500"	70.0	120.0	215.0	190.0	285.0	325.0	325.0	6,M12
3.875"	80.0	130.0	225.0	200.0	285.0	325.0	325.0	6,M12
5.000"	100.0	160.0	280.0	250.0	350.0	390.0	390.0	8,M16
5.750"	120.0	180.0	300.0	270.0	355.0	395.0	395.0	8,M16

Type: CSA-MF

Features:

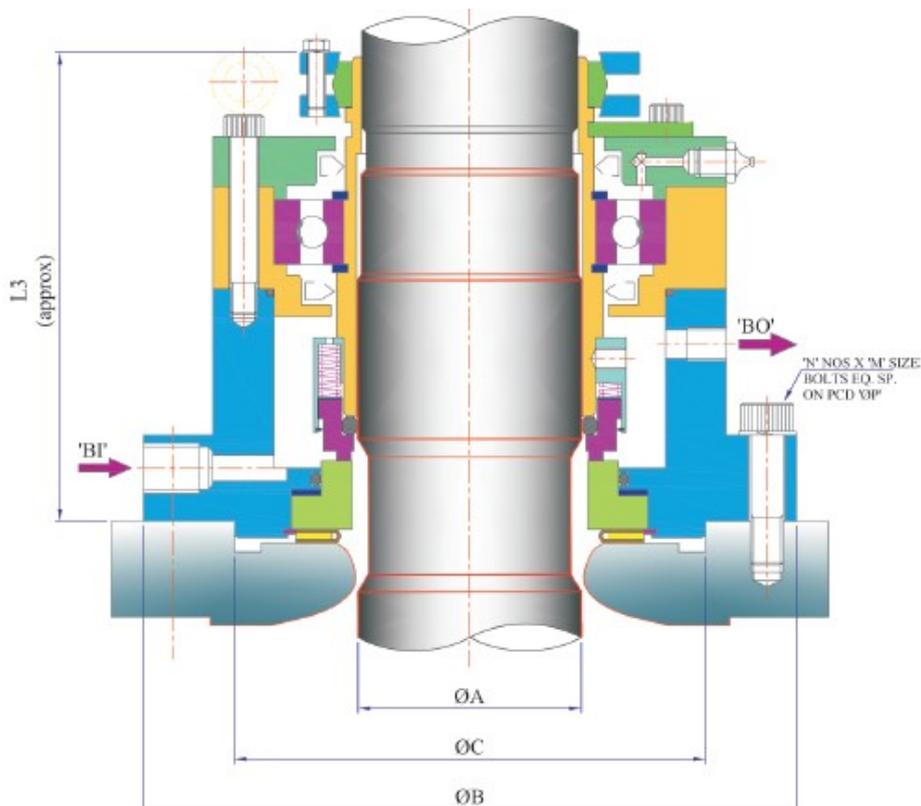
- Balanced
- Cartridge unit
- For glass lined reactor
- Independent of direction of rotation

Application:

This seal is used in chemical industries , pharmaceutical industry, glass lined agitators and reactors, non toxic and toxic media.

Operating Condition:

- Temperature : -40°C to +205°C
- Pressure : Upto 20 bar
- Speed : 5 m/s



Seal Size (Inch)	ØA	ØC	ØB	'N' X 'M'	ØP	L3
2.000	40.0	110.0	175.0	4 X M16	145.0	160.0
2.375	50.0	176.0	240.0	8 X M18	210.0	165.0
2.750	60.0	176.0	240.0	8 X M18	210.0	170.0
3.000	80.0	204.0	275.0	8 X M20	240.0	175.0
4.375	100.0	234.0	305.0	8 X M20	270.0	185.0
5.375	125.0	260.0	330.0	8 X M20	295.0	210.0
6.000	140.0	313.0	395.0	12 X M22	350.0	215.0

Type: CSA-HP

Features:

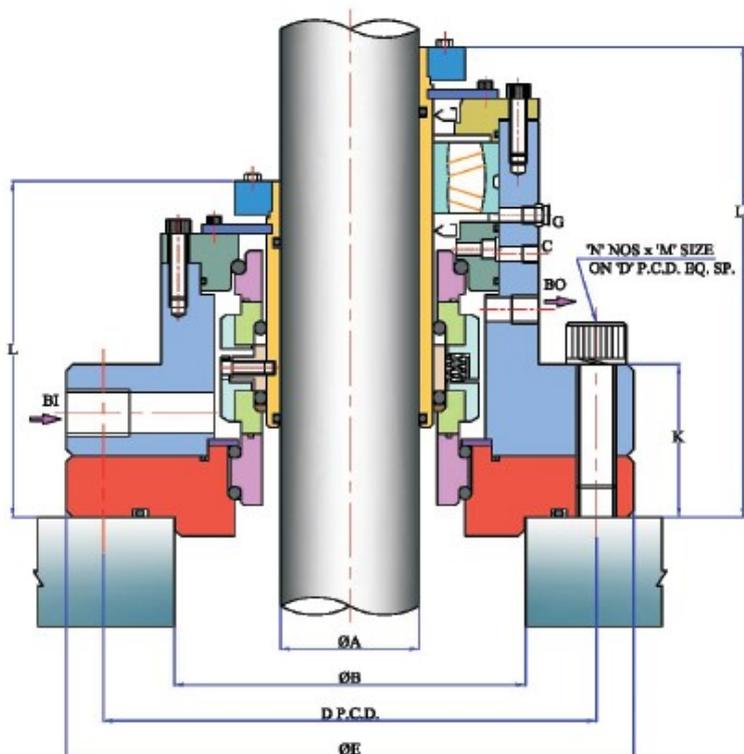
- Double seal
- Unbalanced
- Outside mounted seal
- Liquid lubricated independent of direction of rotation

Application:

This seals is used for top entry agitator, mixer, chemical industry, pharmaceutical industry food and beverage industry, non-toxic media.

Operating Condition:

- Temperature : -20°C to +180°C
- Pressure : Upto 30 bar
- Speed : 5 m/s



Seal Size	ØA	ØB	D P.C.D.	ØE	L	L1	N X M
40.0	40.0	80.0	170.0	205.0	150.0	205.0	6 X M16

Seal Size	ØA	ØB	D P.C.D.	ØE	L	L1	N X M
40.0	40.0	80.0	170.0	205.0	150.0	205.0	6 X M16
50.0	50.0	100.0	200.0	235.0	155.0	220.0	8 X M16
60.0	60.0	120.0	225.0	260.0	175.0	245.0	8 X M16
80.0	80.0	145.0	260.0	300.0	190.0	275.0	8 X M20
100.0	100.0	170.0	280.0	320.0	205.0	290.0	8 X M20
120.0	120.0	190.0	310.0	350.0	210.0	300.0	8 X M20
140.0	140.0	215.0	345.0	385.0	210.0	315.0	12 X M20
160.0	160.0	240.0	395.0	445.0	235.0	350.0	12 X M24
180.0	180.0	260.0	430.0	480.0	240.0	365.0	12 X M24
200.0	200.0	290.0	420.0	470.0	250.0	365.0	12 X M24