

## Application

The MBGL metal bellow seals with lug drive are specifically designed for applications involving viscous media. These seals offer several advantages in handling such fluids. One notable feature of the MBGL seal is its lug drive, which provides enhanced reliability and stability when dealing with viscous substances. The lug drive design ensures a secure and robust connection between the seal and the equipment, allowing for effective sealing performance in demanding conditions. Similar to the MBG seals, the MBGL seals are well-suited for high-temperature applications commonly found in industries like refineries, petrochemical plants, and the oil and gas sector. They are engineered to withstand the extreme temperatures typically encountered in these environments, making them highly reliable for sealing hot oils, hydrocarbons, and other high-temperature viscous fluids. The MBGL seals also benefit from the incorporation of flexible graphite as a secondary seal. This high-temperature resistant material can withstand the demanding conditions present in high-temperature and viscous media applications. By utilizing flexible graphite, the MBGL seals provide excellent sealing performance, ensuring a reliable and efficient sealing solution for viscous fluids at elevated temperatures.

## Operating Parameters

Shaft Dia.: 25 to 100mm  
Pressure: up to 10 Bars  
Temp.: -20 to 350°C  
Speed: up to 25 m/s

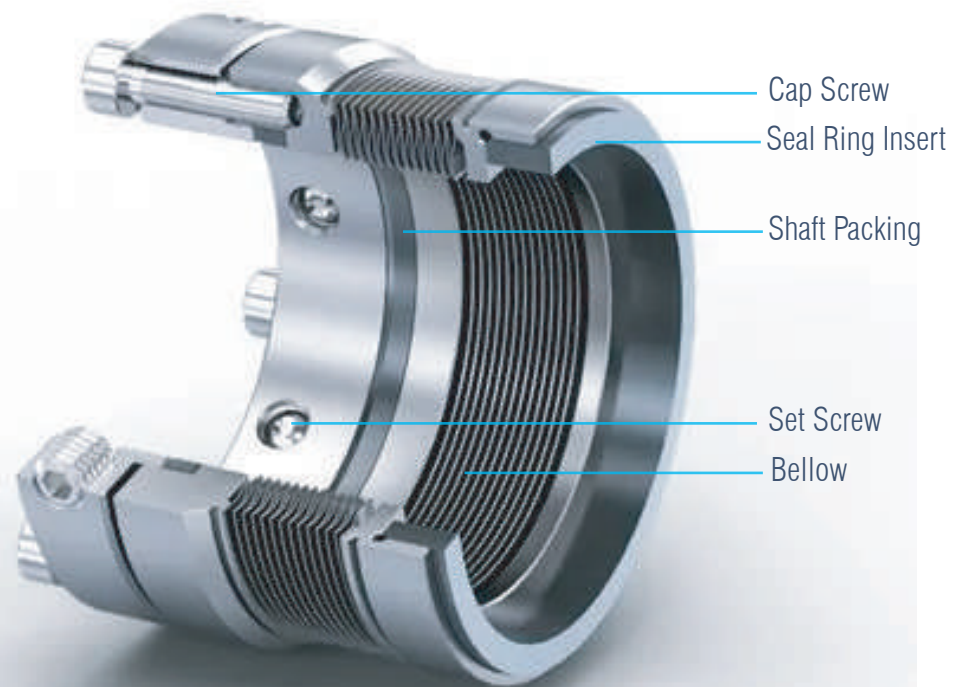
## Materials

Seal Faces: Carbon/Sic/TC  
Secondary Seals: FFKM/FKM/PTFE/Graphite  
Metal Components: SS-316/Hast-C/Inconel-718  
Bellows: Incone-718/Hast-C/AM-350



# MBGL

Metric



## Features



Easy Installation



Inherently Balanced



Requires Minimum Axial & Radial Space for installation



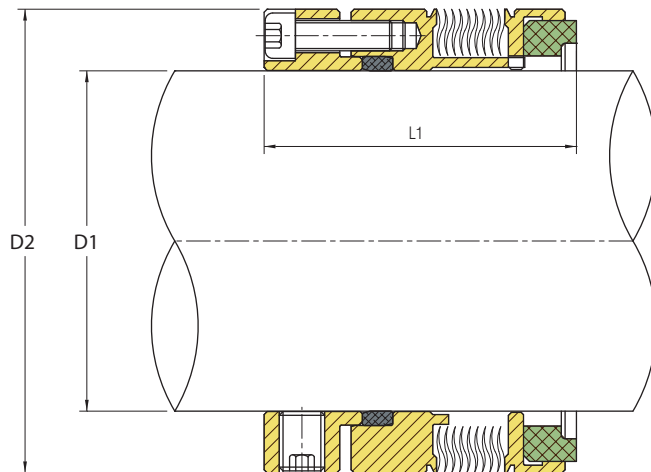
Lug Drive Design for Viscous Media



No Dynamic O Ring to Damage Shaft/Sleeve



Flexibel Graphite Packing as Secondary Sealing



MBG Dimentional Data

Dash Size	Inches			Metric		
	D1	D2	L1	D1	D2	L1
-16	0.75	1.625	2.312	19.05	41.28	58.72
-18	0.875	1.75	2.343	22.23	44.45	59.51
-20	1	1.875	2.343	25.4	47.63	59.51
-22	1.125	2	2.375	28.58	50.8	60.33
-24	1.25	2.125	2.375	31.75	53.98	60.33
-26	1.375	2.25	2.468	34.93	57.15	62.69
-28	1.5	2.375	2.5	38.1	60.33	63.5
-30	1.625	2.5	2.5	41.28	63.5	63.5
-32	1.75	2.625	2.531	44.45	66.68	64.29
-34	1.875	2.75	2.531	47.63	69.85	64.29
-36	2	2.875	2.562	50.8	73.03	65.07
-38	2.125	3	2.562	53.98	76.2	65.07
-40	2.25	3.25	2.75	57.15	82.55	69.85
-42	2.375	3.375	2.781	60.33	85.73	70.64
-44	2.5	3.5	2.781	63.5	88.9	70.64
-46	2.625	3.687	2.875	66.68	93.65	73.03
-48	2.75	3.812	3	69.85	96.82	76.2
-50	2.875	4	3	73.03	101.6	76.2
-52	3	4.125	3	76.2	104.78	76.2
-54	3.125	4.25	3	79.38	107.95	76.2
-56	3.25	4.375	3	82.55	111.13	76.2
-58	3.375	4.5	3	85.73	114.3	76.2
-60	3.5	4.625	3	88.9	117.48	76.2
-62	3.625	4.75	3	92.08	120.65	76.2
-64	3.75	4.875	3	95.25	123.83	76.2

Note: Contact Hydro-Serve Design team for special requirements and customization



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NOTE: If the products featured are intended for use in a potentially dangerous or hazardous process, it is essential to consult with a Hydro-Serve representative before selecting and using those products. Hydro-Serve emphasizes the importance of obtaining expert guidance to ensure safety and proper product suitability.