MG45

high pressure homogeniser

About the machine

The MG45 is a high pressure homogeniser that supports pressures up to 1,400 bar and capacities up to 25,000 liters/hour. The fully sanitary design utilises a minimum of parts and seals, which makes it suitable for C.I.P. With over 75 years of experiece, each type of our machines is designed to achieve the highest efficiency with the lowest energy consuption.



75 years of knowhow and experience

Product at-a-glance

- Pressures up to 1,400 bar
- Capacities up to 25,000 l/h
- Easy access for maintenance
- All parts are corrosion resistant
- Spare parts are worldwide available
- Unbeatable reliability, low downtime



Technical Features

Cilinder Block Single piece precision from forged stainless steel. Standard utilised with spring loaded plunger packings with integrated water cooling. Valves & seats are made out of Rexalloy. For all parts other options are available to meet your specific product or process requirements.

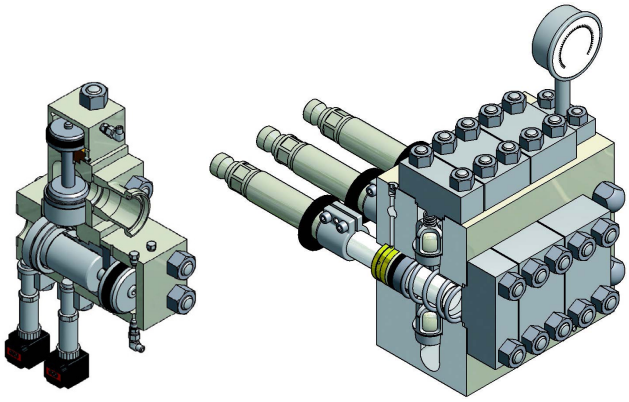
Homogenising Valve Find the perfect valve for your product. Choose from a variety of designs, materials, such as Rexalloy, Tungsten Carbide, Ceramic or Diamond coating, and our one or two stage options.

Drive End Our unique concept offers a quiet running machine with low eccentric shaft speeds. The electric driven oil pump lubricates all bearings, allowing capacity variation between 15-100% under full load. Use the crossheads to adjust the self aligning ball joint bearings.

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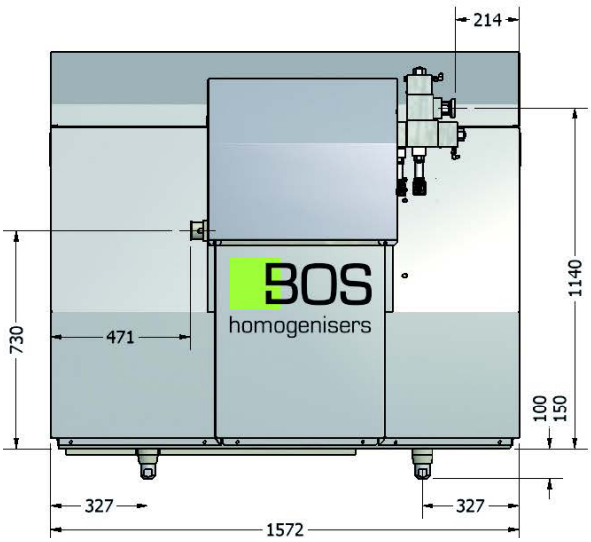
Details

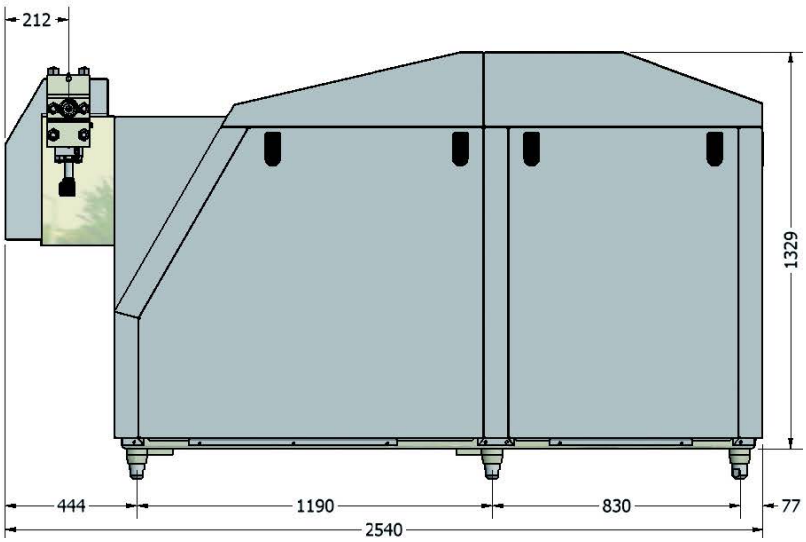
The homogenising pressure is hydraulically actuacted, which allows a completely automatic pressure control. The two stage homogenising valve shows a hydraulic assembly with a plug type valve in the first stage and a pilot valve in the second stage. As you can see, the cilinder block of the MG45 machine is equipped with three plungers.



Pressure in bar	Capacity in liters per hour	
	Ball valves	Spherical valves
150	22,000	25,000
200	16,500	20,000
250	13,000	15,500
400	8,600	10,500
800	4,000	-
1,400	2,250	-

Spherical valves our standard execution, high efficient and low noise. These valves are spring loaded, suitable for processing viscose and moderate abrasive products. **Ball valves** this option is well known for abrasive products or fluids with hard solid parts.





since 1950 BOS homogenisers

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