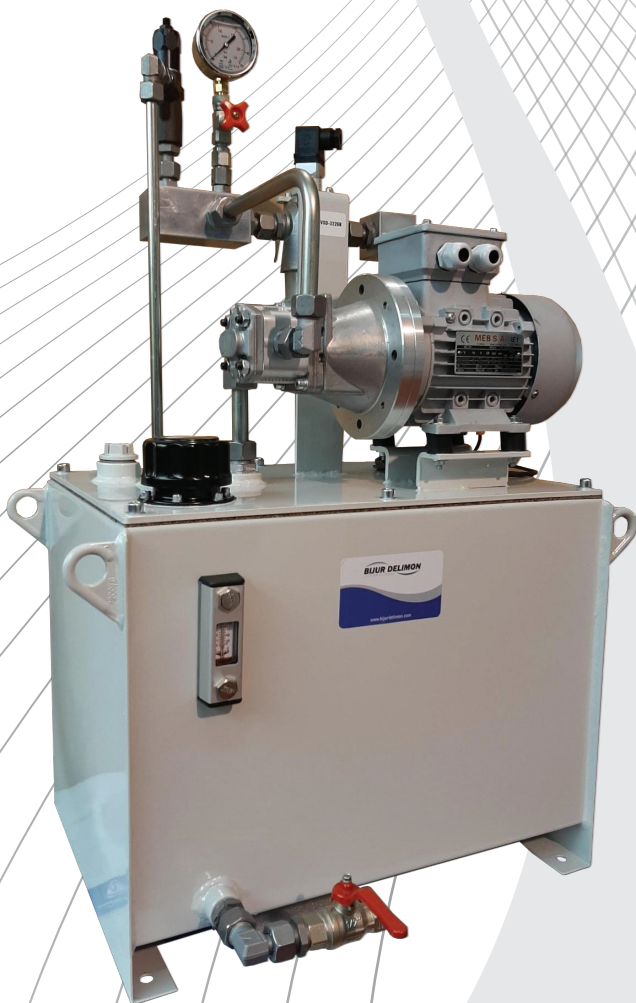




MULTI-PURPOSE OIL SYSTEMS

**ROBUST
SYSTEMS
DESIGN**

**ENGINEERING
EXCELLENCE**

**MANUFACTURING
QUALITY**

**SERVICE
& SPARES**

OVERVIEW

Bijur Delimon International is a global supplier of Oil Recirculation Systems and Equipment, designed for the optimum lubrication of bearings, gear trains and other processes requiring oil for lubrication and cooling.

- A range of standard Multi-Purpose Oil Circulating units is manufactured to fill the need for a relatively simple, inexpensive, yet reliable system where a custom design is not required.
- Reliability is a key to our success, achieved by utilizing proven design techniques, coupled with product quality and competitive pricing.



In providing the key functions of an Oil Recirculation System, the system is built from the following primary equipment:

- **Tanks** – to allow settlement, de-aeration, and heating with the ability to condition and change the lubricant as appropriate.
- **Pumps** – typically motor driven gear pumps to provide the correct flow and pressure to the application.
- **Heaters & Coolers** – to ensure the lubricant reaches the points of application at the required viscosity.
- **Filtration** – to maintain the system cleanliness at the required level.
- **Instrumentation** – monitoring for pressure, flow, filtration, temperature, and level.
- **Accessories** – controls and wiring, pressure relief.

SYSTEM DESIGN

One electric gear pump draws oil from a reservoir and supplies the oil via check valves through a single or dual basket type filter to the delivery connection.

Standard Units Comprised of:

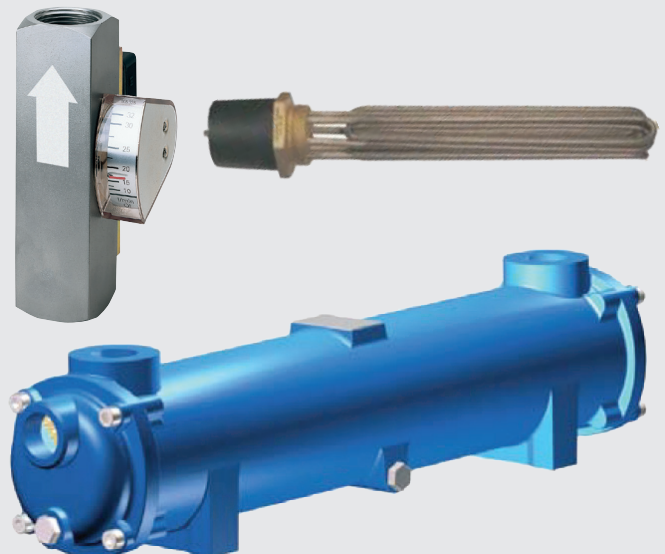
- **Reservoir:** Fabricated from mild steel plate, sandblasted, and painted one coat primer with one coat of Light Grey (RAL7035).
- **Reservoir Components:** Return and drain connections; level gauge; thermometer; air breather filler and filter.
- **Pump & Motor:** Positive displacement integral gear type aluminum pump; 1500 rpm motor suitable for 380/440 VAC, 3phase, 50/60Hz supply.¹
- **Oil Filter:** 25 μ (nominal) stainless steel mesh element; high dirt load capacity; visual/electrical clogging indication; bypass valves.¹
- **Pressure Relief valve:** Self-operating relief; easily adjustable relief spring pressure.
- **Pressure Indication:** 63mm gauge; 0-16 bar pressure.
- **Check Valve, Pipe & Fittings:** Screwed, mild steel.
- **Level Switch:** 2 position digital level switch.

¹ Standard design for oil viscosity up to ISO VG 220 - for higher viscosities, please contact our technical department.



OPTIONAL EXTRAS

- **Heater:** 1kW, 3phase, 0.9W/cm² watts density; Thermostat.
- **Pressure Transmitter:** 4-20mA analogue signal.
- **Oil Cooler:** Shell & Tube type; cooling oil to 100°F from 122°F with water at 68°F (water flow = oil flow x2).
- **Electrical:** Aluminum junction box.
- **Flow Switch:** Viscosity compensating float type; SPDT contacts.
- **Tank Temperature:** PT100 RTD and Thermowell



STANDARD MULTI-PURPOSE OIL CIRCULATION SYSTEMS

Output (lpm)	Reservoir (liters)	Length (mm)	Width (mm)	Height (mm)	No. of Pumps	Filter	Connection	Return	Power (kW)	Part Number
										OCS-XG02510
5	50	515	345	405	1	Simplex	1/2" NPT thread	1" NPT thread	0.37	OCS-XG05010
						Duplex				OCS-XG05020
	100	760	500	505		Simplex				OCS-XG10010
						Duplex				OCS-XG10020
10	100	760	500	505	1	Simplex	1/2" NPT thread	1 1/4" NPT thread	0.55	OCS-XG10011
						Duplex				OCS-XG10021
	150	760	570	645		Simplex				OCS-XG15010
						Duplex				OCS-XG15020
15	150	760	570	645	1	Simplex	1/2" NPT thread	1 1/2" NPT thread	0.75	OCS-XG15011
						Duplex				OCS-XG15021
	350	1260	670	680		Simplex				OCS-XG35010
						Duplex				OCS-XG35020
20	250	1010	720	670	1	Simplex	3/4" NPT thread	1 1/2" NPT thread	1.1	OCS-XG25011
						Duplex				OCS-XG25021
	400	1250	745	720		Simplex				OCS-XG40010
						Duplex				OCS-XG40020
30	350	1260	670	680	1	Simplex	3/4" NPT thread	2" NPT thread	1.5	OCS-XG35011
						Duplex				OCS-XG35021
40	400	1250	745	720	1	Simplex	1" NPT thread	2" NPT thread	2.2	OCS-XG40011
						Duplex				OCS-XG40021
50	600	1360	860	800	1	Simplex	1" NPT thread	2" NPT thread	2.2	OCS-XG60010
						Duplex				OCS-XG60020

Option	Removable 1kW Heater + PT100 ¹	OCS-XG0001	Option	Flow Meter + Control Needle Valve ¹	OCS-XG0007
Option	Wired Aluminum Junction Box	OCS-XG0002	Option	Oil Pan	OCS-XG0008
Option	Heat Exchanger + Thermostat 5LPM	OCS-XG0003	Option	PT100 RTD Tank Oil Temperature	OCS-XG0009
Option	Heat Exchanger + Thermostat 5-40LPM	OCS-XG0004	Option	Flow Meter	OCS-XG0010
Option	Heat Exchanger + Thermostat 50LPM	OCS-XG0005	Option	Special Options	OCS-XG0020
Option	Pressure Switch	OCS-XG0006			

¹ Max quantity of 2 in the standard design. If more heaters or flow meters are required, please contact our technical department.



Innovators of engineered lubrication technology since 1872

Bijur Delimon International has ISO 9001:2015 and ISO 14001:2015 quality certified manufacturing facilities around the world, so your centralized lubrication system meets the highest industry quality standards. It's all part of our commitment to quality and customer service.



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