



CJC® Gear Flushing Unit

Oil Filtration & Flushing System for Cleaning of Gearboxes

Product Sheet

APPLICATION

The **CJC® Gear Flushing Unit** is designed for fast and efficient cleaning of **new or refurbished gearboxes and gearbox test systems** on workshop floors.

It maintains the oil contamination level low during the flushing process and reduces this period to a minimum. Furthermore, the CJC® Gear Flushing Unit has an integrated CJC® Oil Contamination Monitor, OCM15 that measures the oil contamination level.

BENEFITS

The flushing capacity of the CJC® Gear Flushing Unit reduces the cleaning time to a minimum with highest possible efficiency. This allows for optimum production output.

By using the **CJC® Gear Flushing insert, GFi** with a very large dirt holding capacity, users will benefit from the lowest possible running cost on the market and long mean time intervals between services.

FEATURES

- High flushing capacity reducing cleaning time to a minimum
- Plug and play flushing procedure
- Built-in CJC® Oil Contamination Monitor, OCM15 for contamination level based control
- Ensuring longer gearbox component life
- Very large dirt holding capacity

FUNCTION

The CJC® Gear Flushing Unit has an automatic cleaning process program, which saves time. Push START and the gear flushing process will run fully automatically:

- Preheat oil tank & verifying filter inserts
- Filling the gearbox with oil
- Cleaning the gearbox oil
- Draining the gearbox for oil

The built-in CJC® Oil Contamination Monitor, OCM15 makes it possible to do monitoring of the oil cleanliness during the whole gear flushing process.

COMMISSIONING, TRAINING & SERVICE

To obtain full potential of the equipment, we advise to purchase a CJC® Service Package including commissioning and training.

Yearly a serviced CJC® OCM 15 sensor unit will be sent to the customer (further info, please see Product Sheet).

THE FILTER / FLUSHING PUMP

The filter/flushing pump is a low noise screw pump, especially designed for handling high viscosity gear oil. The pump ensures low pulsation.

OPTION

- Flushing report



CJC® Gear Flushing Unit, GFU1

TECHNICAL DATA

Gear Flushing Unit		GFU1	GFU4
Pump flow, per hour, (std.)	ltr gal	< 1,900 < 502	< 8,000 < 2,113
Pump type		Low noise screw pump	
Pump inlet pressure, max.	bar/psi	1.5 / 22	
System outlet pressure, max.	bar/psi	0.5 / 7.3	
Gear Flushing insert, GFi	pcs.	4	16
Power consumption, aver.	kW	6.5	19
Preheater power	kW	2 x 3.0	2 x 9.0
Viscosity range		ISO VG 46 - 320	
Oil temperature, max.	°C / °F	80 / 176	
Dry weight	kg/lb	550 / 1,212	1,140 / 2,513
Design pressure	bar/psi	7 / 102	
Ambient temp. min.	°C / °F	10 / 50	
Ambient temp. max	°C / °F	40 / 104	
Tank volume	L	250	390 (drain tank)

APPLICABLE FILTER INSERTS

Type	Application for
GFi	Gear oils at high flow rates with air bubbles