



CJC[®] Gear Flushing Unit, GFU1

Oil Filtration & Flushing System for Cleaning of Gearboxes

Product Sheet

APPLICATION

The CJC[®] Gear Flushing Unit, GFU1 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.



CJC[®] Gear Flushing Unit, GFU1

TECHNICAL DATA

Gear Flushing Unit		GFU1
Pump flow, per hour, (std.)	ltr/gal	< 1900 / < 502
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
Power consumption, aver.	kW	6.5
Preheater power	kW	2 x 3.0
Highest allowable viscosity	cst	1000
Oil temperature, min.		
ISO VG 46	°C/°F	-12 / 10.4
ISO VG 320		15 / 59
ISO VG 420		20 / 68
Oil temperature, max.	°C/°F	80 / 176
Dry weight	kg/lb	160 / 353
Design pressure	bar/psi	7 / 102
Ambient temp. min.	°C/°F	5 / 41
Ambient temp. max	°C/°F	40 / 104
Tank volume	L	208 + 40

APPLICABLE FILTER INSERTS

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