



CLEAN OIL
BRIGHT IDEAS

LG 15/25

CJC™ Off-line Fine Filter

CJC™ Product Sheet

APPLICATION

The CJC™ off-line Fine Filter LG 15/25 is used for the maintenance of fluids for **power transmission, lubrication, cooling and control systems**. The LG 15/25 is ideal for removal of **particles, oil degradation products and water**.

The light and compact LG series filters are especially suited for filtration on high yield hydraulic systems due to their high circulation capacity.

FUNCTION

The filter pump draws fluid from the system tank (at the lowest point) and passes it through the filter insert. From the centre of the insert the fluid flows through the filter base and returns to the tank.

The pressure drop over the filter - and consequently the contaminant absorption of the filter insert - is monitored on the pressure gauge between pump and filter housing.

The filter outlet port is placed in the filter base. The filtered fluid should be returned to the tank close to the suction pipe of the main system pump.

Note that the return point preferably should be non-pressurized. Contact us in case this is not possible.

THE FILTER PUMP

The filter pump is an gear pump utilizing aluminium housing. The electric motor is supplied for standard tree-phase AC voltages.

FILTER INSERT

The CJC™ Filter Inserts consist of several discs bonded together. The material is either cellulose or cotton linters depending on the fluid to be filtered.

FILTRATION ABILITY	
<ul style="list-style-type: none"> Particle Removal All CJC™ Filter Inserts have the following filtration degree: <ul style="list-style-type: none"> - 3 µm absolute: 98.7% of all solid particles > 3 µm - 0.8 µm nominal: 50% of all solid particles > 0.8 µm are retained in each pass. The dirt holding capacity is 1.5 litres of evenly distributed solids. Degradation Products Oxidation products, resin / sludge, and varnish are retained by the cellulose material, which will retain appr. 1 kg of oil degradation products. Water Removal The water absorption potential is up to 50% (i.e. 750 mL H₂O) of the total contaminant holding capacity. 	



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TECHNICAL DATA		
Model	LG 15/25	
Pump flow, per hour (std.)	ltr/gal	300 / 80
Pump type	L-160	
Pump inlet pressure, max.	bar/psi	0.5 / 7
Filter Insert 15/25	pcs.	1
Power consumption, aver.	kW	0.18
Pressure drop, max.	bar/psi	2.0 / 29
Oil temperature, max. *)	°C / °F	80 / 176
Dirt holding capacity, appr.	ltr/gal	1.5 / 0.4
Water absorption capacity	ltr/gal	0.75 / 0.20
Dry weight	kg/lb	12 / 26
Operation weight, wet	kg/lb	16 / 35
Design pressure, filter	bar/psi	4 / 58
Ambient temperature, max.	°C / °F	40 / 104

*) The standard filters are designed for a max. temp. of 80 °C / 176 °F. Other conditions, please contact us.

APPLICABLE FILTER INSERTS	
Type	Application for
BG:	Mineral- and synthetic oils
BLA:	Water-based fluids and emulsions. **)

**) Does not hold water permanently.



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COMPONENTS	
Item	Part
1	Pump
2	Filter housing
3	Filter base
4	Clamp
5	Pressure gauge
6	Air vent screw
7	Electric motor
8	Filter insert
9	Spring guide
10	Spring
11	Sample valve
12	Relief valve
13	Drain tap
A	Oil inlet
B	Oil outlet

