



OIL MAINTENANCE

HDU 15/25

CJC™ Off-line Fine Filter

CJC™ Product Sheet

APPLICATION

The CJC™ Off-line Fine Filter HDU 15/25 is used for the maintenance of fluids for power transmission, lubrication, cooling and for quench oil.

FUNCTION

The filter pump draws fluid from the system tank (at lowest point) and presses 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 a CJC gear pump. The electric motor can be supplied for AC and DC voltages.

FILTER INSERT

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

OPTIONS

- Preheater
- Control box
- Drip pan
- Coalescer
- Tank
- Mobile

FILTRATION ABILITY

All CJC™ Filter Inserts have a **filtration degree of 3 µm** (micron) absolute, i.e. 98.7% of all solid particles > 3 µm and approximately 50% of all particles > 0.8 µm will be retained in one pass.

The **water absorption capacity** of the cellulose based inserts is up to **50% of the total contaminant holding capacity**.

The depth of the CJC™ off-line Filter Inserts creates a highly efficient **oxidation adsorption**.



The CJC™ Fine Filter
HDU 15/25 PV

TECHNICAL DATA

Model		HDU 15/25 PV
Pump flow, std. / per hour	ltr/gal	30-120 / 8-32
Pump type		PV
Filter Insert 15/25	qty	1
Power consumption, aver.	kW	0.18
Max. pressure drop	bar/psi	2.0 / 29
Max. fluid temp. *)	°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	22 / 49
Operating weight, wet	kg/lb	28 / 62
Design pressure	bar/psi	4 / 58
Max. ambient temp.	°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
A:	Low flows - (small system fluid volumes).
B:	High flows - (large system fluid volumes).
BG:	Highest viscosity and large flows.
BLA:	Water-based fluids and emulsions.
BLDA:	Glycol-based flame proof hydraulic fluids.



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COMPONENTS	
Item	Part
1	Drain Plug
2	Filter base
3	Filter Insert
4	Stay bolt
5	O-ring
6	Spring housing
7	Spring
8	Nut
9	Cover
10	Bonded seal
11	Vent screw
12	Top nut
13	Pressure gauge
14	Pump
15	Sampling point
A	3/8" BSP, Oil inlet
B	3/8" BSP, Oil outlet

