CLEAN OIL
BRIGHT IDEAS

HDU 727/108

CJC™ Offline Fine Filter

CJC™ Product Sheet

APPLICATION

The **CJC™ HDU 727/108 Offline Fine Filter** is used for the maintenance of fluids for **steel pressing systems, power transmission, lubrication, cooling and quenching.**
The HDU 727/108 is ideal for removal of **degradation products, particles and water.**

FUNCTION

The filter pump draws fluid from the system tank (at lowest point) and pumps 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 across the filter insert - and consequently the contaminant absorption of the filter inserts - is monitored on the pressure gauge on the filter housing.
The filter outlet port is placed in the filter base. The filtered fluid is to be returned to the tank close to the suction pipe of the main system pump.
Note that the return point should be non-pressurized. Contact us if this is not possible.

THE FILTER PUMP

The filter pump is a gear wheel pump. The electric motor can be supplied as standard AC motors.

FILTER INSERT

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

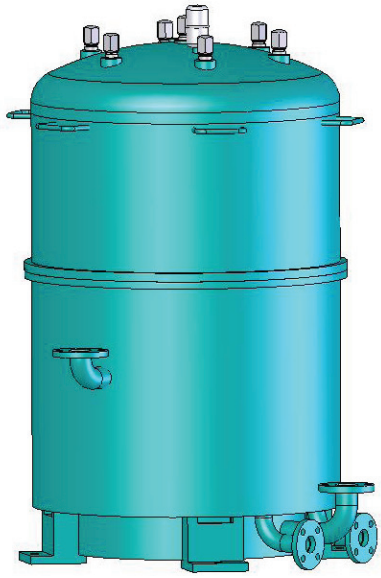
OPTIONS

- Preheater
- Drip pan
- Aut. air vent
- Tank
- Control box

FILTRATION ABILITY

- **Particle Removal**
  All CJC™ Filter Inserts have the following filtration degree:
  - **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 112 L of evenly distributed solids.
- **Degradation Products**
  Oxidation products, resin / sludge, and varnish are retained by the cellulose material, which will retain appr. 112 kgs of oil degradation products.
- **Water Removal**
  The water absorption potential is up to 50% (i.e. 56,000 mL H_2O) of the total contaminant holding capacity.



The CJC™ Fine Filter
HDU 727/108

TECHNICAL DATA

Model:		HDU 727/108
Pump flow, per hour (std.)	L/gal	2500-12000 / 660-3170
Pump type		KR / GP / CRN
Pump inlet pressure, max.	bar/psi	0.5 / 7
Filter Inserts 27/27	pcs.	28
Power consumption, aver.	kW	up to 5
Pressure drop, max.	bar/psi	1.8 / 26
Oil temperature, max.*)	°C/°F	80 / 176
Dirt hold. capacity, appr.	L/gal	112 / 30
Water absorption capacity	L/gal	56 / 14
Dry weight	kg/lb	975 / 2150
Operating weight, wet	kg/lb	1350 / 2976
Design pressure, filter	bar/psi	3 / 44
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
A:	Low flow (small system fluid volumes)
B:	Higher flow (larger system fluid volumes)
F:	Quenching oils **)
BLA:	Water-based fluids and emulsions **)

**) Does not hold water permanently

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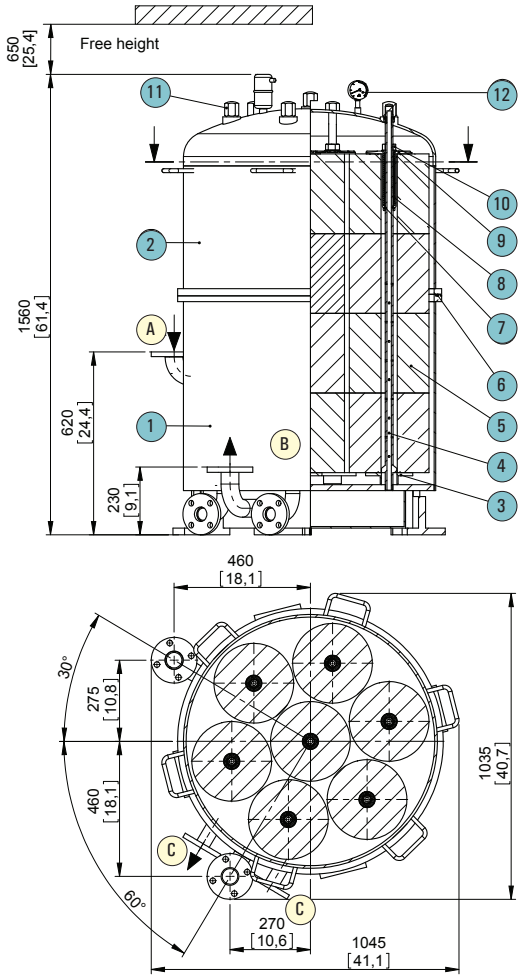
COMPONENTS

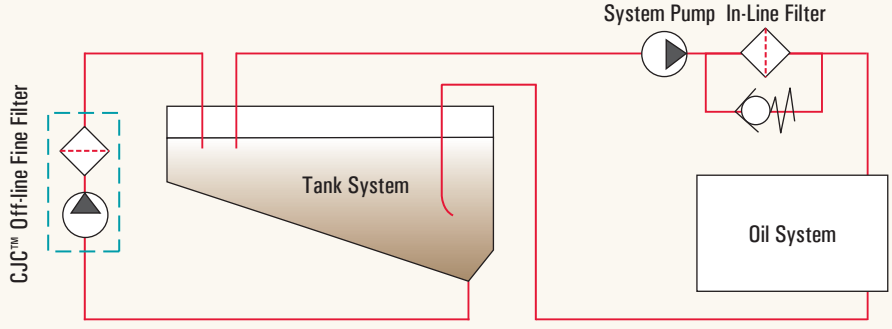
Item	Part
1	Filter base
2	Filter housing
3	Filter plate
4	Stay bolt
5	Filter Insert
6	O-ring (filter)
7	O-ring (spring guide)
8	Spring
9	Spring guide
10	Nut for spring
11	Top nut
12	Pressure gauge
A	Oil inlet, flange DN50 JIS B 2223 16K
B	Oil outlet, flange DN50 JIS B 2223 16K
C	Drain, flange DN40 JIS B 2223 16K

DIMENSIONS



CJC™ Offline Fine Filter
HDU 727/108
Measurements in mm and inches

INSTALLATION PRINCIPLE



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