



Varnish Elimination Unit VEU-F-AU

Description

The HYDAC Varnish Elimination Unit VEU-F-AU is a unique and innovative system. It is primarily **used for the conditioning and refurbishment of mineral oils** where heat and operating conditions can damage the oil, forming varnish which can contaminate the system.

Because of the semi-soluble nature of varnish in oil standard filtration procedures are normally insufficient to remove the varnish from the oil. Other removal processes are either: slow and expensive, or they require the system to be shut down before the oil can be treated.

The VEU-F-AU has the unique characteristic of being a fully “on line and on load” treatment sub-system, allowing **varnish removal and clean-up of the oil whilst the system is operating**.

The VEU-F-AU also returns the processed oil back to the tank with only an approximately 5°C drop in temperature so that **its use will not impact the existing system balance and operation mode** (there will be no system shock).

Additionally, the VEU-F-AU **uses no complex chemicals or other mechanisms**; rather it uses the renowned OLF-Dimicron filtration elements that are easily available nationally and internationally.

The unit is **available for temporary service or for permanent installation** on a new system.

Technical Specifications:

Flow Rate	4 to 14 l/min (automatically variable)
Pre Filter Housing	MFX 200 series
Pre Filter Element	0200 MX 020 ECON2 / -3.5
Permissible pressure drop on pre-filter element	3 bar
Main Filter Housing	OLF 60 series
Main Filter Elements	QTY 4: N15DM002
Permissible pressure drop on main filter element	2 bar
Operating Pressure (max)	15 bar
OUTLET port size	1" BSPP Female
Permissible pressure at oil OUTLET port	0 ... 3 bar
INLET port size	1" BSPP Female
Permissible pressure at oil INLET suction port	-0.4 – 0.5 bar
Cooling fluid volume	38 l
Cooling fluid mixture	Water / Coolant mixture
	Coolant content: Min. 20% - Max. 40%
Coolant	HYDAC recommends Fuchs Maintain Fricofin XT
Viscosity Range	10 – 1500 cSt (mm ² /s)
Fluid Temperature INLET	10... + 60 °C
Ambient Temperature	10 ... + 50 °C
Weight (dry)	~ 400kg
Weight (wet)	~ 520kg
Dimensions (mm)	1755 (L) x 920 (W) x 1850 (H)

Model Code

VEU - F - 60/14 - M - C - G - R - Z - C17 / AU

Product

VEU - Varnish Elimination Unit

Function

F = filtration

Size

60/14 = filter housing 60 litres /
rated flow 14 l/min

Version

M = mobile

Cooler / heat exchange

C = compressor cooler

Pump

G = gear pump

Power supply

R = 415 V, 3 phase

Filter element

Z = without filter element

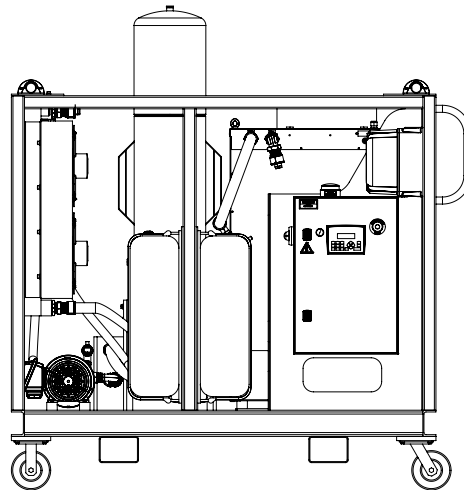
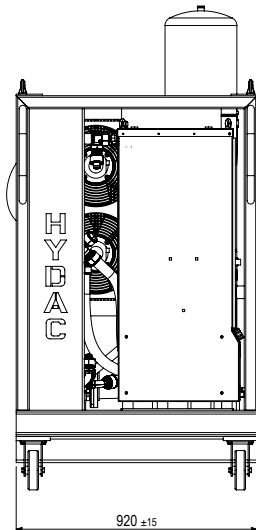
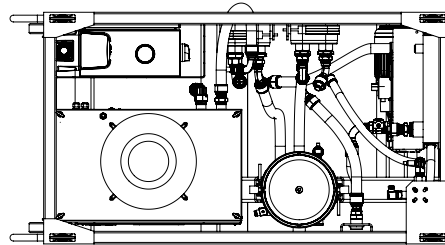
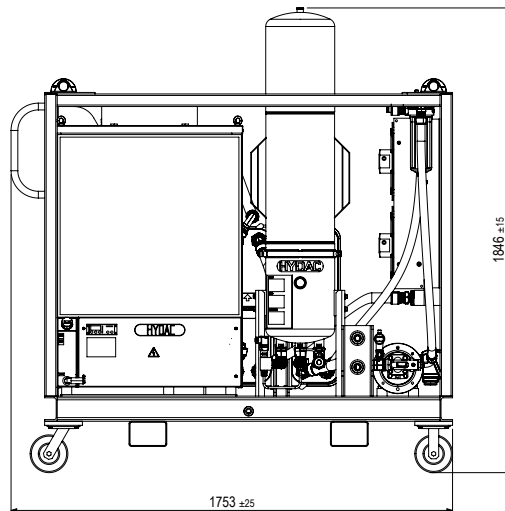
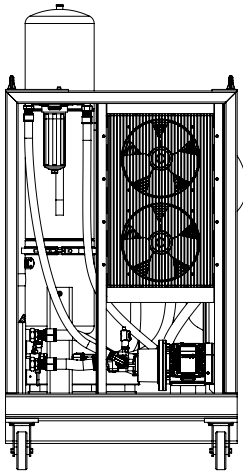
Clogging indicator

C17 = differential pressure indicator, electrical

Supplementary details

AU = Australian version

Drawings



Note

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

HYDAC Australia / New Zealand

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