



H₂GO® Water Removal Purifier

Vacuum Dehydrator

Technical Specifications:

Flow rates at 50Hz	8.7 ... 27 l/min (automatically variable)
Permitted fluids	Mineral oils and others ⁽¹⁾
Sealing material	NBR and FKM
Filter housing	MFX 200 series
Filter element	0200 MX 010 ECON2 / -3.5
Filter bypass pressure	3.5 bar
Clogging Indicator	VM 2.5 D.X
Pump type, vacuum pump	Rotary vane vacuum pump
Pump type, others	Gear pumps
Operating pressure	Up to 15 bar
Port size, outlet	1" BSPP Female
Permissible pressure at oil outlet port	Up to 15 bar
Port size, inlet	1 ½" BSPP Female
Permissible pressure at oil inlet suction port	-0.4 ... +0.5 bar
Viscosity range	12 ... 320 mm ² /sec
Fluid temperature range	10 ... 80 °C
Ambient temperature	10 ... 50 °C
Storage temperature range	10 ... 50 °C
Relative humidity (ambient)	Max. 90% non-condensing
Required power supply	63A
Electrical power consumption	Up to 30kW/40A
Protection class	IP54
Noise level	72 dB
Length of electric cable/plug	5 m
Weight when empty	760 kg
Dimensions (mm)	1160 (L) x 870 (W) x 1980 (H)
Achievable residual water content	< 30 ppm - hydraulic oils
Accessories:	
Inline Pressure Filter Kit consisting of: • HYDAC NF 1350 Filter • HYDAC VM Visual Clogging Indicator • Mounting Brackets • Adaptor Fittings to connect H2GO outlet to inlet of NF Filter	

Description

The H2GO® operates according to the principal of vacuum dewatering to separate free and dissolved water as well as dissolved gasses from hydraulic and lubrication fluids.

The H2GO® has an AquaSensor AS1000 to continuously monitor the water content and to control the unit. To increase the dewatering capacity a 3 stage heating system is employed, allowing use with higher viscosity fluids and cold fluids. The programmable logic controller PLC used in combination with a touch screen control panel guarantees simple and reliable handling.

Advantages

- Extremely low residual water levels, gas levels in the operating fluids
- Longer oil change intervals
- Improved component service life
- Greater machine availability
- Reduction in the life cycle cost

Combining High Efficiency Filtration for Total Purification

When used in combination with the HYDAC off line filtration systems, fluids that also have particulate contamination can be cleaned. Fluids that have build-up of degradation products like Varnish (high MPC) can be treated in parallel with the Varnish Elimination Unit (VEU-AU).

By using specialised control and treatment solutions from HYDAC total oil conditioning is fast and efficient. The H2GO® forms an integral part of this program.

⁽¹⁾ others fluids available on request

Model Code

H2GO® - 27 - M - 2 - B - 10 - R - Z - 00 / AU

Product

H2GO® = Vacuum dehydrator

Flowrate

27 = 27 l/min (max)

Operating medium

M = Mineral oil

O = Other on request

Type

1 = Fixed

2 = Mobile (with castors)

Voltage, frequency, power supply

B = 415 V, 50 Hz, 3 Ph

C = 440 V, 60Hz, 3 Ph

Replacement filter element

10 = 0200 MX 010 ECON2 / -3.5

Vacuum pump type

R = Rotary vane vacuum pump

Additional heat exchanger

Z = without additional heat exchanger

H = with additional heat exchanger

Modification number

00 = the latest version is always supplied

Supplementary details

AU = Australian version

Standard Models

Model Code	Part Number
H2GO-27-M-2-B-10-R-Z-00/AU – 983	2363824
H2GO-27-M-2-B-10-R-H-00/AU – 983	2363231
H2GO-27-M-2-C-10-R-H-00/AU – 983	2364686

Accessories

Description	Material	Part Number
Inline Pressure Filter Kit , consisting of: • HYDAC NF 1350 Filter • HYDAC VM Visual Cloggin Indicator • Mounting Brackets • Adaptor Fittings to connect H2GO outlet to Inlet of NF Filter (Filter Element not included - refer to following section)	ALU NBR	2364861

Inline Pressure Filter Elements

Should the Inline Pressure Filter Kit be installed, one of the following filter elements will be required:

For Inline Pressure Filter Accessory:

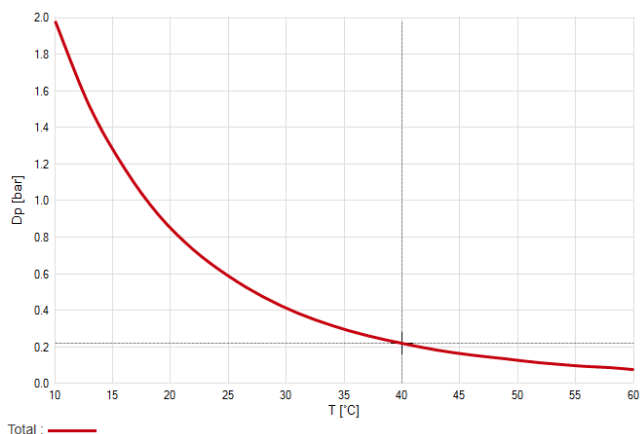
1300 R 003 ON /-SO882	3µm	NBR	1308137
1300 R 005 ON /-SO882	5µm	NBR	1308139
1300 R 010 ON /-SO882	10µm	NBR	1313047
1300 R 020 ON /-SO882	20µm	NBR	1313048

Please order the filter element for the fluid filter separately and install it prior to commissioning.

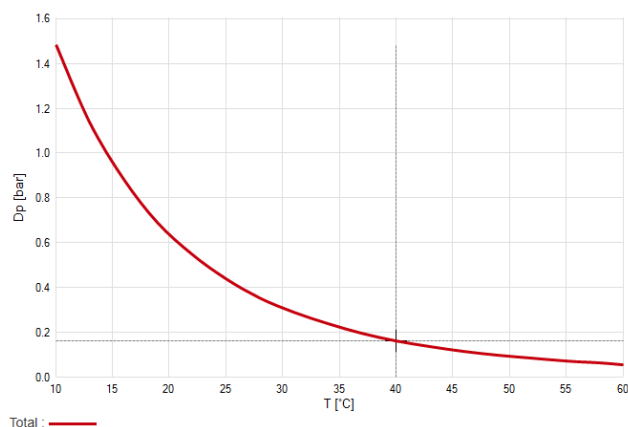
Filter Element Curves for Inline Pressure Filter Accessory

Using ISO VG 320 Mineral Oil at an operating temperature of 40°C:

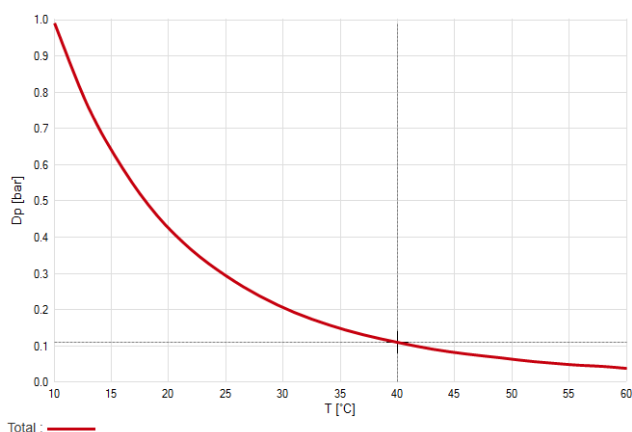
1300 R 003 ON:



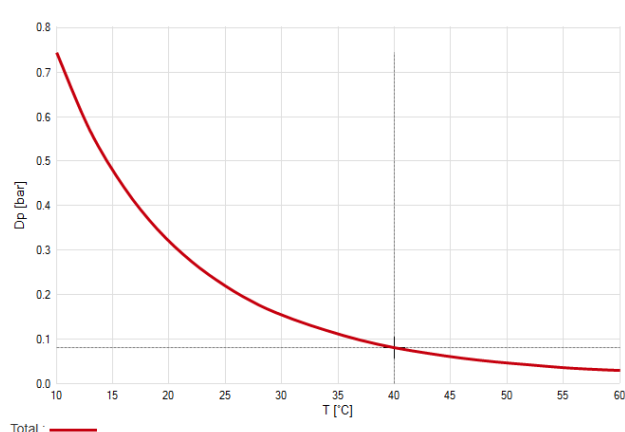
1300 R 005 ON:



1300 R 010 ON:



1300 R 020 ON:

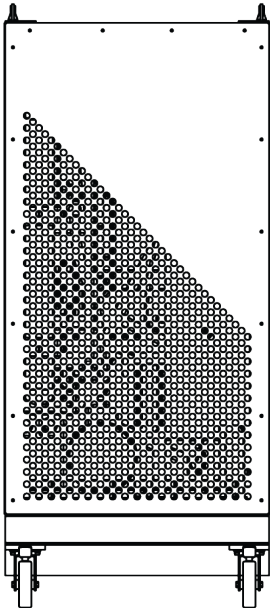
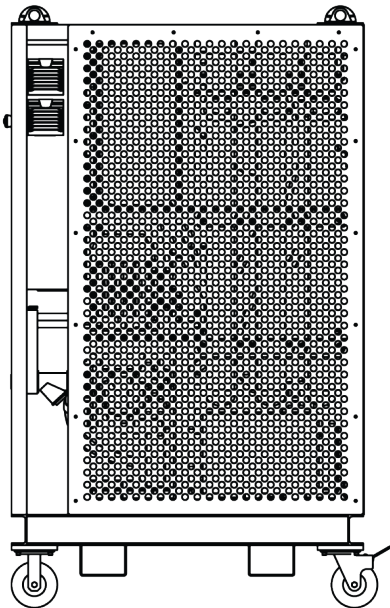
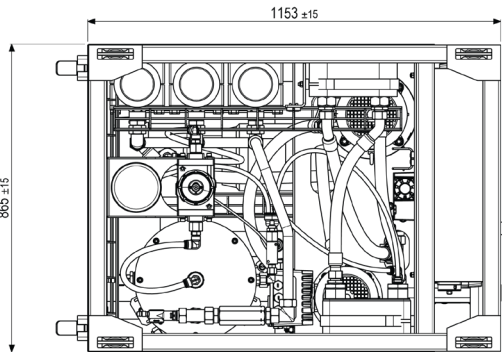
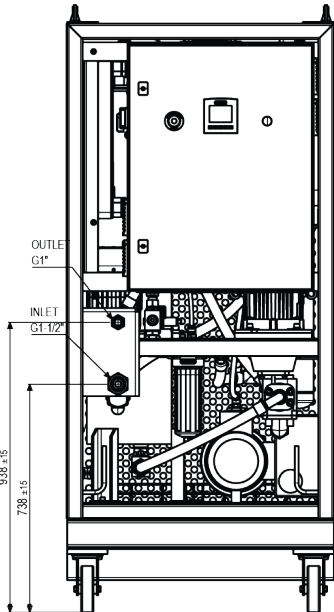
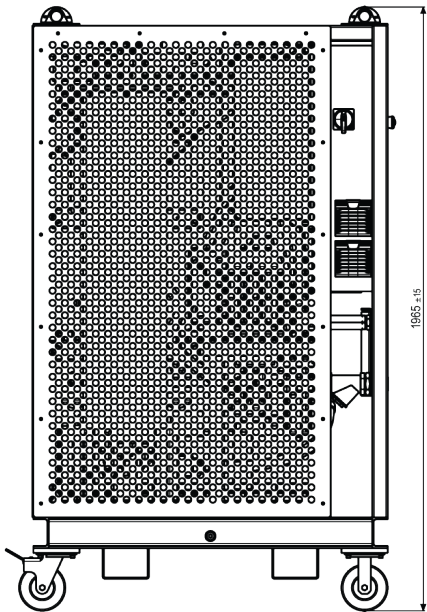


Spare Parts

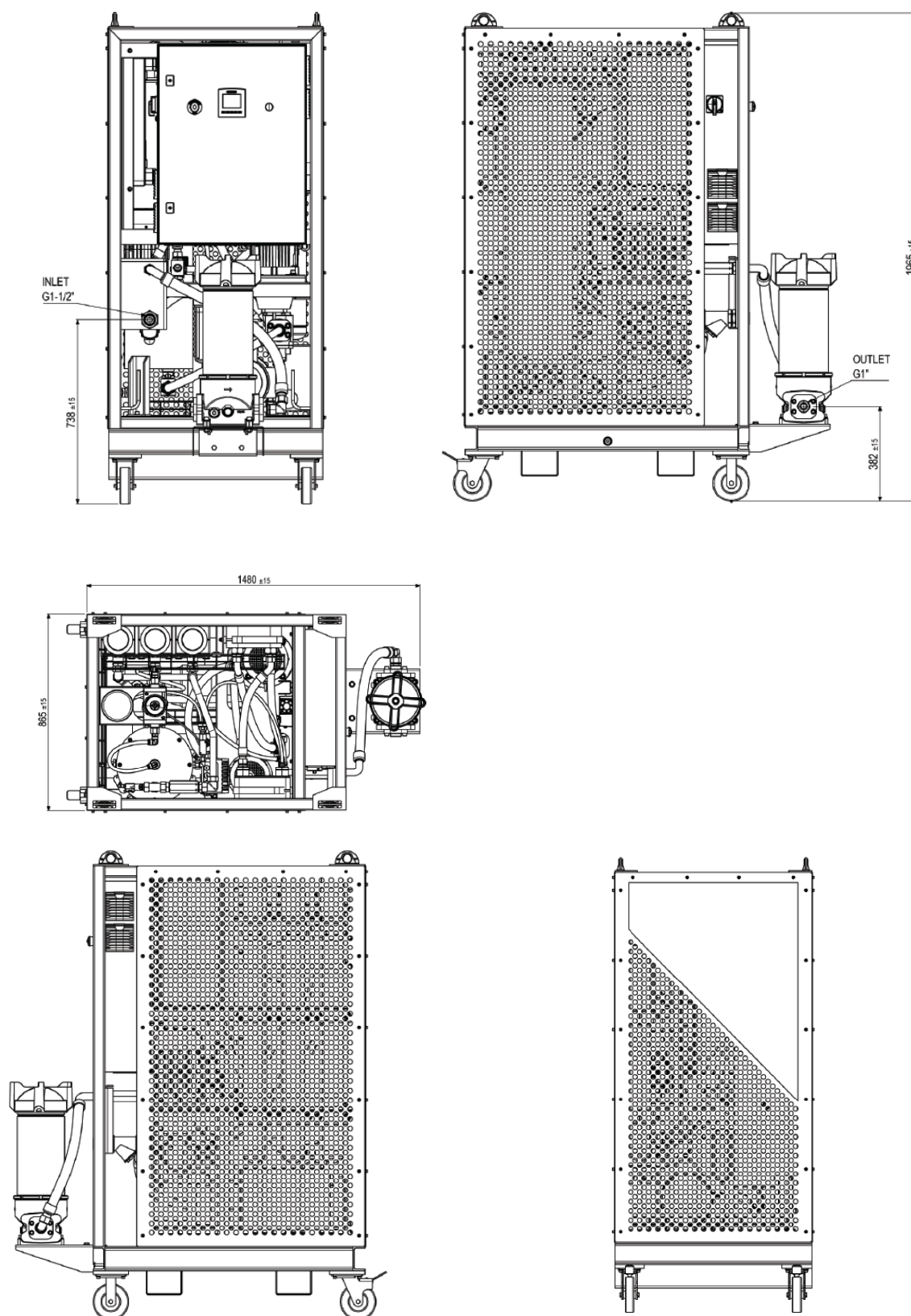
Description	Filtration Rating	Material	Part number
For Standard H2GO (No accessories):			
0200 MX 010 ECON2 /-B2.5	10µm	NBR	1296386
VAC PUMP SPARES KIT – XD063	-	Various	2365642
BLT M 160 G 3 W 1.0	3µm	Steel	1276387
OIL MIST SEPERATOR - F68H-KIT	-	Various	2367027

■ Dimensions

Standard H2GO (No Accessories)



H2GO complete with Inline Pressure Filter:



Note

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

Subject to technical modifications.

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