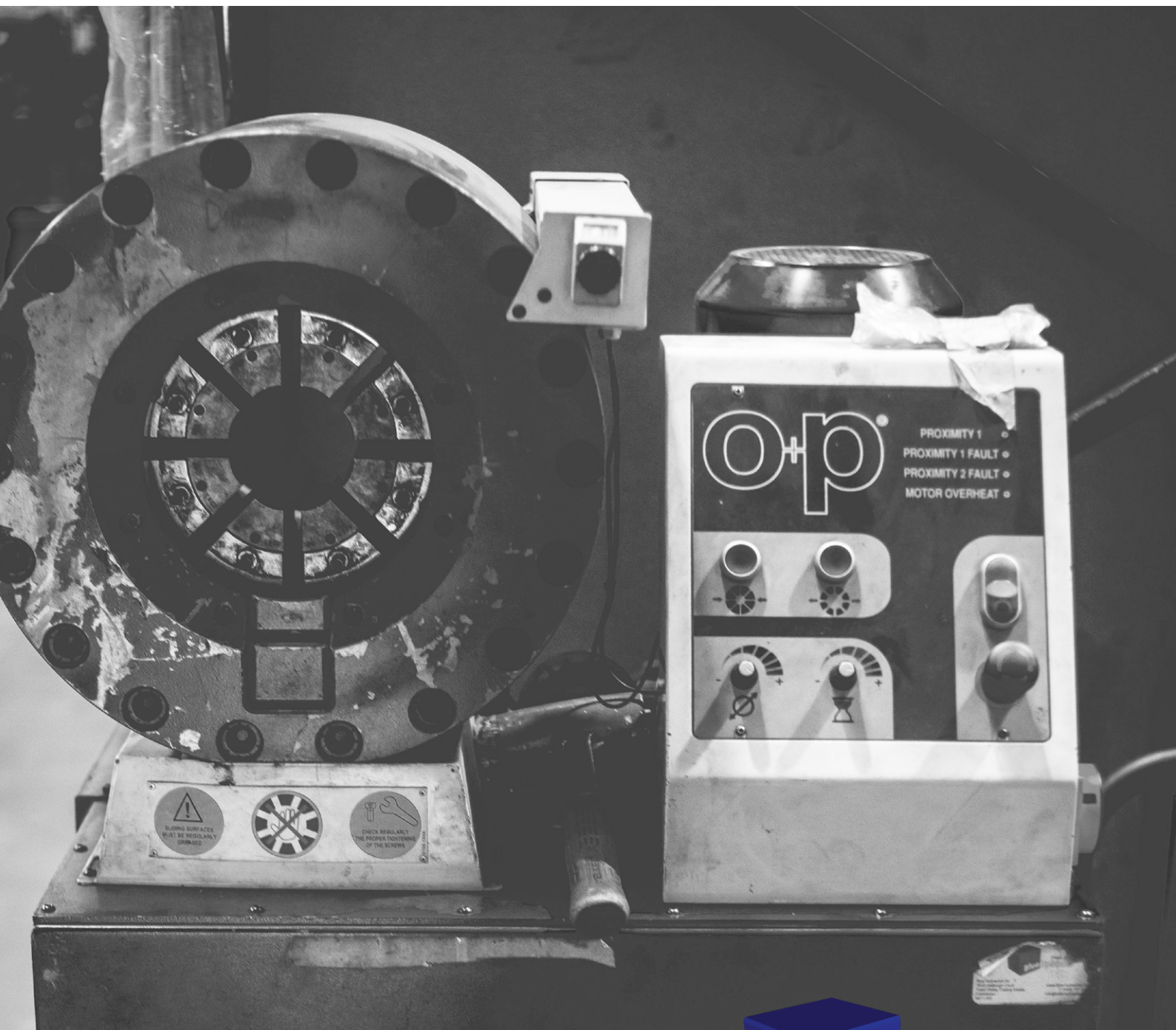
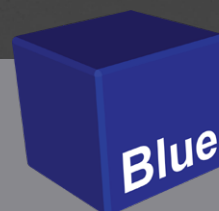


# Rental Catalogue

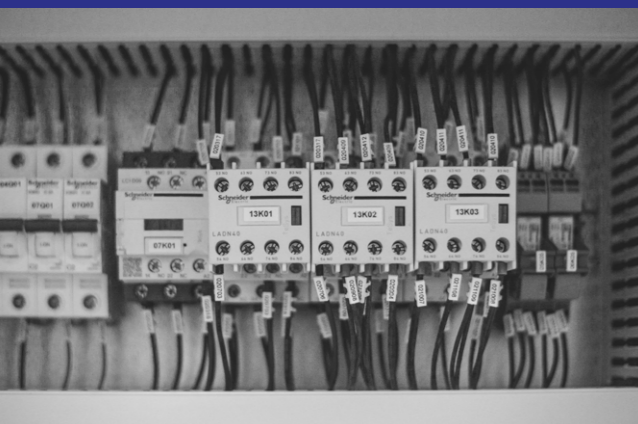


Version: April 2022



**Blue** Hydraulics  
*Fluid power under control*

# Who We Are



Here at Blue Hydraulics, we strive to enable our customers to reach higher standards, provide personal fulfilment to our people and share our knowledge and passion for hydraulics and engineering.

We are a dynamic, experienced and innovative company that started trading privately in 2017. Based in the North East of England, we have grown rapidly due to our high standards and ability to deliver full-service solutions to customers in the offshore, marine, oil and gas, energy, renewable, automotive, civil engineering, pharmaceutical industries and more. We create effective solutions to our customers' hydraulic problems with our dedicated and knowledgeable team of engineers and technicians to support our customers from end-to-end with a full-comprehensive service that covers all stages of their hydraulic needs.

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- 14 MORE PRODUCTS

**Need help** finding what you need? Contact us today for **free guidance and advice**.

# Product Overview



## EHPU 90/500

The hydraulic power unit EHPU 90/500 has a single electrically driven heavy duty variable piston with power and remote pressure control.

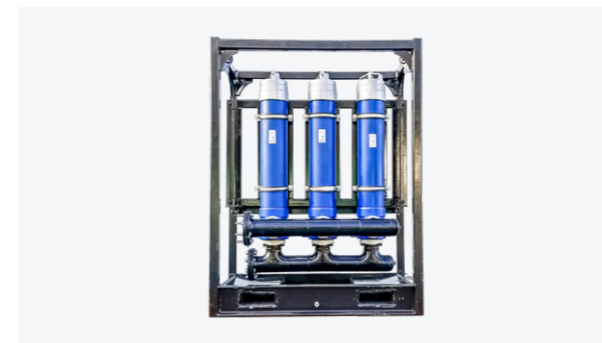
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## EHPU 48/100

The hydraulic power unit EHPU 48/100 has a two pump system to achieve a total max flow rate of 105 l/min with a tank capacity of 500 litres.

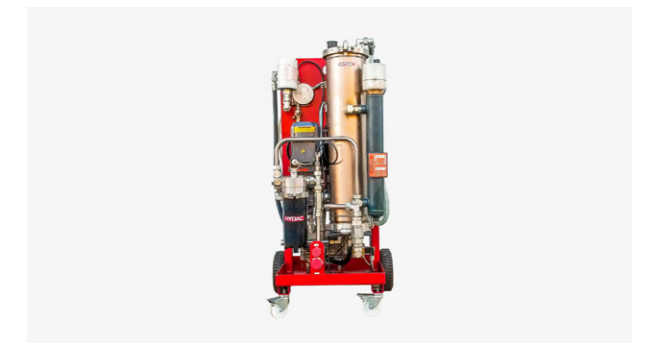
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## F 4500

The triple inline filter unit F 4500 can run at a max working pressure of 16 bar with fluid temperatures from 0 °C to 70 °C.

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## DEWAT 2.4/5

The dewatering unit DEWAT 2.4/5 is designed for dewatering, degassing and filtering hydraulic and lubrication fluids.

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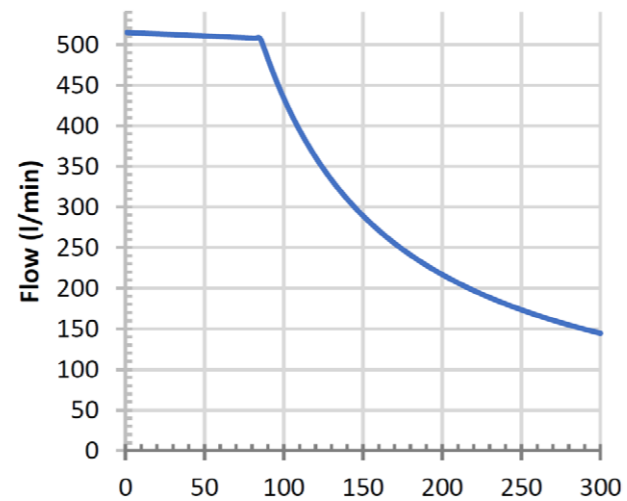
# EHPU 90/500

**Name** EHPU 90/500  
**Description** Hydraulic Power Unit 90 kW, 500 l/min  
**Equipment #** EQ#00130

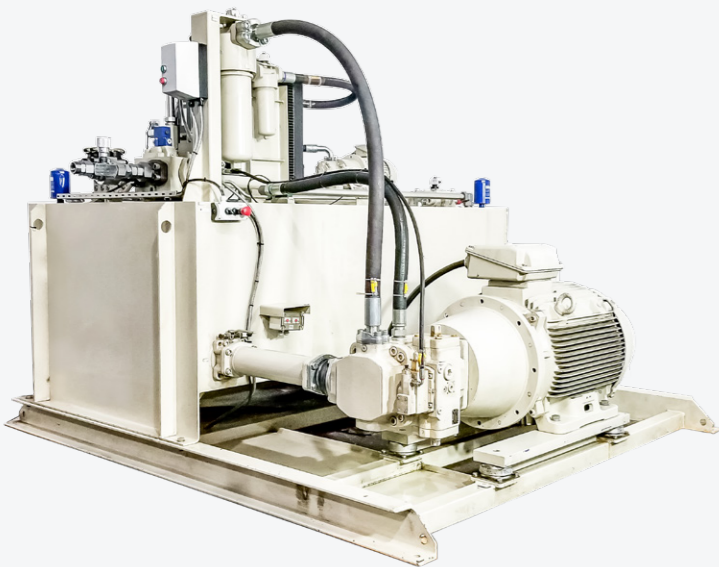
The hydraulic power unit EHPU 90/500 has a single electrically driven heavy duty variable piston with power and remote pressure control.

An offline unit filters and cools the oil with an air blast cooler. A manifold with directional control valves provides supply for additional functions with individual pressure settings.

With a max working pressure of 315 bar and a max flow rate of 510 l/min, the EHPU 90/500 will get the job done efficiently and quickly.



Estimated chart for information only, actual performances may vary from the chart.



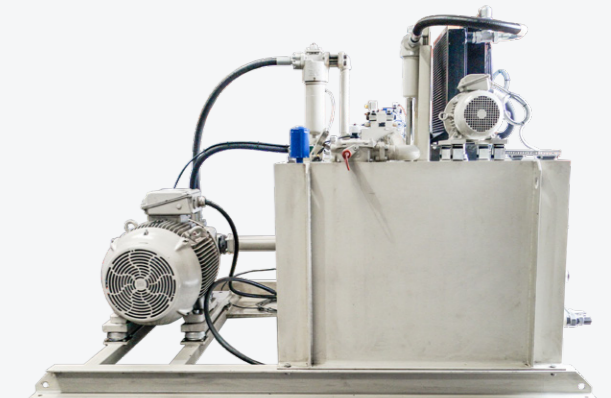
## TECHNICAL SPECIFICATIONS

Max Working Pressure	315 Bar
Max Flow Rate	510 l/min
Electric Motor Power	90 kW @ 400V 50Hz
Electric Supply	158A 400V 3ph 50Hz
Operating Temperature	0 °C to 40 °C
Hydraulic Fluid	Mineral Oil ISO VG 32 or 46 - other fluids available upon request
Tank Capacity	2000 litres
Cooling	Air Blast Cooler
Weight	2500 kg - dry 4500 kg - with fluid
Dimensions	2705 mm (L) x 2380 mm (W) x 1917 mm (H)
Hydraulic Connections	(P1) Pressure 2" SAE 6000 (A1) Low Pressure G 1 1/4" BSPP (T1) Return 2" SAE 3000 (Y1 to Y4) Drains G 1/2" BSPP (A1 to A3, B1 to B3) Aux. functions G 1/2" BSPP

EHPU 90/500

### NOT INCLUDED - AVAILABLE UPON REQUEST

- Hydraulic Hoses and Fittings
- Quick Connect Couplings
- Electric Power Cable
- Hydraulic Oil - Mineral or Biodegradable
- Transportation and Installation
- Loss Damage Waiver - If you do not hold hired in plant insurance



# EHPU 48/100

**Name** EHPU 48/100  
**Description** Hydraulic Power Unit 48 kW, 100 l/min  
**Equipment #** EQ#00077

The hydraulic power unit EHPU 48/100 has a two pump system to achieve a total max flow rate of 105 l/min with a tank capacity of 500 litres.

Typically supplied with mineral oil ISO VG 32 or 46, we can supply a specific fluid upon request to suit your needs.

As a medium-sized unit, the EHPU 48/100 is best suited for mid-scale applications where lower flow rates and working pressures are required.

Need **transportation and installation**? Just let us know we'll book in the appropriate number of our **skilled engineers** to help.



## TECHNICAL SPECIFICATIONS

Max Working Pressure	250 Bar
Max Flow Rate	105 l/min Pump 1 - 65 l/min Pump 2 - 40 l/min
Electric Motor Power	Pump 1 - 30 kW @ 400V 50Hz Pump 2 - 18.5 kW @ 400V 50Hz
Electric Supply	92A 400V 3ph 50Hz Pump 1 - 57A Pump 2 - 35A
Operating Temperature	0 °C to 40 °C
Hydraulic Fluid	Mineral Oil ISO VG 32 or 46 - <i>other fluids available upon request</i>
Tank Capacity	500 litres
Dimensions	1650 mm (L) x 1500 mm (W) x 1950 mm (H)
Hydraulic Connections	(P) Pressure G 1" BSPP (T) Return G 1 1/4" BSPP (Y) Drains G 1/2" BSPP

EHPU 48/100

### NOT INCLUDED - AVAILABLE UPON REQUEST

- Hydraulic Hoses and Fittings
- Quick Connect Couplings
- Electric Power Cable
- Hydraulic Oil - *Mineral or Biodegradable*
- Transportation and Installation
- Loss Damage Waiver - *If you do not hold hired in plant insurance*



# F 4500

Name F 4500  
 Description Triple Inline Filter 4500 l/min  
 Equipment # EQ#00082

The triple inline filter unit F 4500 can run at a max working pressure of 16 bar with fluid temperatures from 0 °C to 70 °C.

Typically supplied with mineral oil ISO VG 32 or 46, we can supply a specific fluid upon request to suit your needs.

With three fitted inline filters, the F 4500 is a quick and efficient filtration system for your equipment.

Use the F 4500 to **filter finer particulates** from your fluid stream for **higher efficiency** in your machinery.



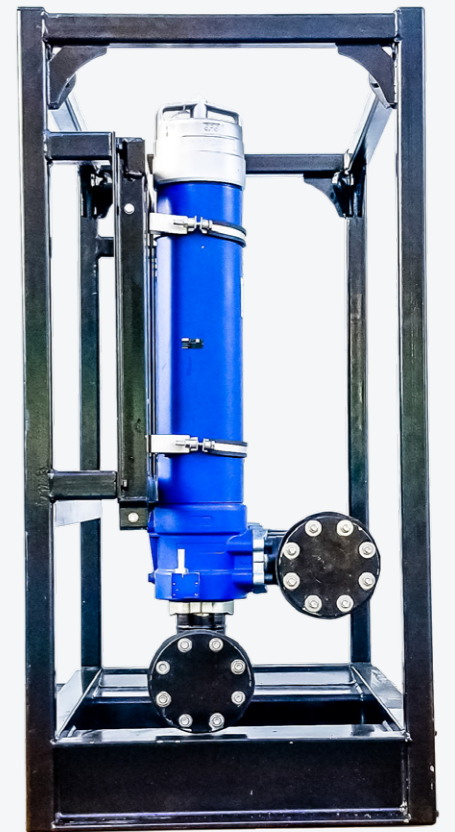
## TECHNICAL SPECIFICATIONS

Max Working Pressure	16 Bar
Max Flow Rate	4500 l/min
Fluid Temperature	0 °C to 70 °C
Hydraulic Fluid	Mineral Oil ISO VG 32 or 46 - <i>other fluids available upon request</i>
Dimension	1425 mm (L) x 885 mm (W) x 1810 mm (H)
Hydraulic Connections	Inlet DN 100 PN 16 Outlet DN 100 PN16

F 1500

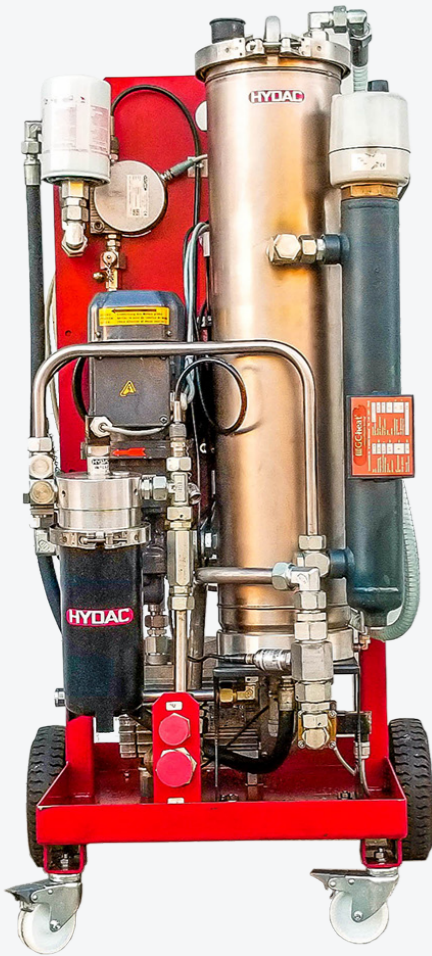
### NOT INCLUDED - AVAILABLE UPON REQUEST

- Hydraulic Hoses and Fittings
- Hydraulic Oil - *Mineral or Biodegradable*
- Transportation and Installation
- Loss Damage Waiver - *If you do not hold hired in plant insurance*



# DEWAT 2.4/5

**Name** DEWAT 2.4/5  
**Description** Electrical Dewatering Unit 2.4 kW heating, 5 l/min  
**Equipment #** EQ#00159



The dewatering unit DEWAT 2.4/5 is designed for dewatering, degassing and filtering hydraulic and lubrication fluids.

It operates on the principle of vacuum dewatering to eliminate free and dissolved water as well as free and dissolved gases.

The DEWAT 2.4/5 is extremely cost effective due to the HYDAC Dimicron filter technology which has a high contamination retention capacity and filtration efficiency.

Reduce your life cycle costs and improve your machinery's availability with a reliable and convenient dewatering unit.

Perfect for service work thanks to its **compact and mobile design**.  
**Quick and easy to use** with a controller and control panel.

## TECHNICAL SPECIFICATIONS

Max Working Pressure	8 Bar
Max Flow Rate	5 l/min
Heating Output	2.4 kW
Electric Supply	16A 415V 3ph 50Hz
Operating Temperature	0 °C to 40 °C
Hydraulic Fluid	Mineral Oil ISO VG 32 or 46 - <i>other fluids available upon request</i>
Operating Viscosity Range	15 mm <sup>2</sup> /s to 550 mm <sup>2</sup> /s
Length of Power Cable	10 m
Weight	120 kg - <i>dry</i> ~150 kg - <i>with fluid</i>
Dimension	610 mm (L) x 620 mm (W) x 1232 mm (H)
Measuring Equipment	AquaSensor AS 1000 Contamination Sensor CS 1000 Sensor Monitoring Unit
Hydraulic Connections	28L / M36x2 - <i>male thread</i> 18L / M26x1.5 - <i>male thread</i> 28L / M36x2 - <i>female thread</i> 18L / M26x1.5 - <i>female thread</i>

DEWAT 2.4/5

### NOT INCLUDED - AVAILABLE UPON REQUEST

- Hydraulic Hoses and Fittings
- Quick Connect Couplings
- Hydraulic Oil - *Mineral or Biodegradable*
- Transportation and Installation
- Loss Damage Waiver - *If you do not hold hired in plant insurance*



# More Products

NAME	DESCRIPTION	EQUIPMENT
Mark 3313 Pipe Bender	Electro-Hydraulic Pipe Bender 3"NB 110V	Manufacturing
O+P TUBH144ES	Hose Swaging Machine O+P TUBH144ES	Manufacturing
O+P Junior Center	Multifunctional Mobile Piping Unit	Manufacturing
Parker EO2 Form F3	Parker EO2 Form F3 Workcenter Tube Forming Machine	Manufacturing
Parker EO2 Tooling	Parker EO2 Tooling	Manufacturing
Tube-Mac TFM-01	Tube-Mac 37° Pipe Flaring Machine	Manufacturing
MORE PRODUCTS - MANUFACTURING EQUIPMENT		

NAME	DESCRIPTION	EQUIPMENT
20ft Workshop Container	20ft Workshop Container	Supporting
DGEN310	Diesel Generator 310kVA	Supporting
EWPO.4/150	Electric Water Pump 0.4kW, 150l/min	Supporting
MORE PRODUCTS - SUPPORTING EQUIPMENT		

NAME	DESCRIPTION	EQUIPMENT
FU0.75/30PC 110V	Mobile Filtration Unit 30l/min, 110V with Oil Particle Counter	Fluid Conditioning
FU4/150/S/T/VSD	Mobile Filtration Unit 4kW, 150l/min with Variable Speed Drive	Fluid Conditioning
MORE PRODUCTS - FLUID CONDITIONING		

NAME	DESCRIPTION	EQUIPMENT
EHPU 18/Accu20	Hydraulic Power Unit 18 kW, 20 l Accumulator	HPUs
EHPU 4/9.7	Hydraulic Power Unit 4 kW, 9.7 l/min	HPUs
EHPU45/200	Hydraulic Power Unit 45kW, 200l/min	HPUs
MORE PRODUCTS - HYDRAULIC POWER UNITS		





NAME	DESCRIPTION	EQUIPMENT
FS60	60 l/min Flow Sensor	Testing & Monitoring
FS300	300 l/min Flow Sensor	Testing & Monitoring
FS600	600 l/min Flow Sensor	Testing & Monitoring
PS25	25 bar Pressure Sensor	Testing & Monitoring
PS60	60 bar Pressure Sensor	Testing & Monitoring
PS200	200 bar Pressure Sensor	Testing & Monitoring
PS400	400 bar Pressure Sensor	Testing & Monitoring
PS600	600 bar Pressure Sensor	Testing & Monitoring
PS1000	1000 bar Pressure Sensor	Testing & Monitoring
PSU1	Power Supply Unit 0-42V 0-6A 100w max	Testing & Monitoring
PSU2	Power Supply Unit 0-42V 0-6A 100w max	Testing & Monitoring
Hydrotechnik MultiSystem 4010	Datalogger Hydrotechnik MultiSystem 4010	Testing & Monitoring
Hydrotechnik MultiSystem 5060	Datalogger Hydrotechnik MultiSystem 5060	Testing & Monitoring
Hydrotechnik N2 Regulator	Nitrogen Regulator Hydrotechnik 5401-02-00.00	Testing & Monitoring
MP Filtri ICM 2.0	MP Filtri ICM 2.0 Calibrated Particle Counter	Testing & Monitoring
Solenoid Switch Box	Electrical Solenoid Switch Box	Testing & Monitoring
Webtec HPM6116	Data Logger Webtec HPM6116	Testing & Monitoring

**MORE PRODUCTS - TESTING & MONITORING EQUIPMENT**




40AC ISOLATOR  
PLEASE ISOLATE  
SUPPLY ELSEWHERE




**SUPPLY VOLTAGE**

POWER ON




PHASE SEQUENCE FAULT

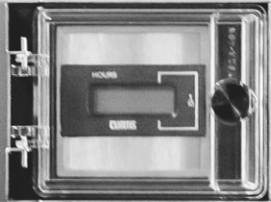
**OIL LEVEL**



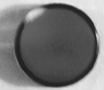
**OIL TEMPERATURE**



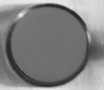
**MOTOR 1 HOURS RUN**



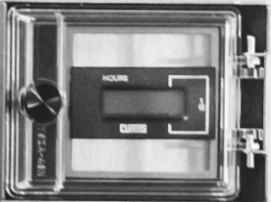
**HIGH OIL TEMP SHUTDOWN**




**HIGH OIL LEVEL**




**MOTOR 2 HOURS RUN**



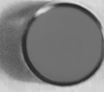
**PUMP 1 SUCTION CLOSED**



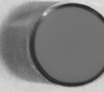
**MOTOR 1 ACH ON**



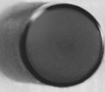
**HIGH OIL TEMPERATURE**




**LOW OIL LEVEL**




**PUMP 2 SUCTION CLOSED**




**MOTOR 2 ACH ON**



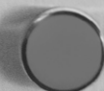
**MOTOR 1 START**




**MOTOR 1 RUNNING**




**LOW OIL TEMPERATURE**




**LOW OIL LEVEL SHUTDOWN**




**MOTOR 2 START**



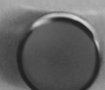
**MOTOR 2 RUNNING**




**MOTOR 1 STOP**




**MOTOR 1 O/L TRIPPED**




**OIL FILTER BLOCKED**




**OIL HEATER ON**




**MOTOR 2 STOP**




**MOTOR 2 O/L TRIPPED**




**EMERGENCY STOP**




**EMERGENCY SAFETY CIRCUIT HEALTHY**



**EMERGENCY STOP RESET**



**LAMP TEST**



**MOTORS LOCAL / REMOTE**

