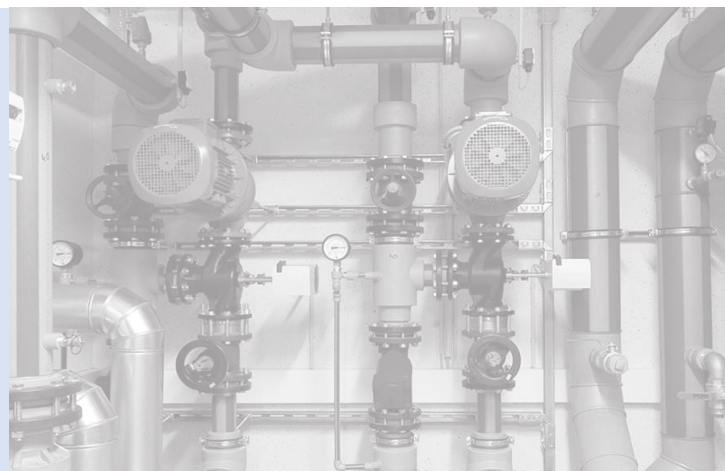


# FLUSHING RIG & HPU DATASHEET



Specialists in Manufacturing, Supplying and  
Renting Hydraulic Equipment

## Company Profile

GD Hydraulics are a manufacturer who specialise in sale, service, rental and repair of Hydraulic and Gas Pressure Testing, Flushing & Control Systems.

G-D Hydraulics offer equipment which includes:

- **Air Operated Tensioner Pumps**
- **Air Operated Hydraulic Power Packs (HPUs)**
- **Hose Test Rigs**
- **Cycle Test Rigs**
- **Valve Test Benches**
- **Flushing Rigs**
- **Hydraulic Power Units – Electric Driven**
- **Hydraulic Control Panels**
- **Pressure Logging Equipment**
- **Manifolds**
- **Hose Reels & Hoses**

Our standard products are relevant over numerous industry sectors and can be used for a wide number of applications. We also offer a custom built manufacture service for those jobs that need specific and bespoke requirements.

Our manufacturing facility in Manchester allows us to build and test all equipment to ensure it reaches our customers in top quality condition.

We are committed to manufacturing the best equipment possible to allow our customers operations to run as smoothly as possible.

## Specialists in Manufacturing, Supplying and Renting Hydraulic Equipment

### Company Information:

#### **GD Hydraulics**

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## FLUSHING RIG RANGE

The GD Hydraulics Flushing Rig range is your essential care and maintenance system. Save on large repair and replacement bills by using our new revolutionary flushing rig range to flush, filtrate and clean contaminants that can build up in your hydraulic systems.

Failure to carry out basic flushing tasks can cause hydraulic system failure resulting in unscheduled, costly downtime and repair or replacement of systems. Our innovative range of flushing rigs are not only suitable for flushing hydraulic systems but can also be utilised for subsea drilling, hydrostatic testing & functioning, testing Christmas Trees, BOP's and URT's. Designed with unrivalled knowledge and expertise you can be sure our robust range of flushing rigs can provide you with a solution to suit your specific requirements.

Ensure you are minimising the maintenance of your systems, the risk of irreparable damage and maximise reliability; start maintaining your hydraulic equipment today.

**90% of mechanical failure is caused by contamination.**

### Features and Benefits

- ✓ Hydraulic Oil or Water/Glycol Fluid Options
- ✓ Flow rates up to 150 LPM (33.3 Gallons) per minute as standard
- ✓ Pressures up to 10,000 PSI (700 Bar) as standard
- ✓ Built in filtration system
- ✓ Pump Run Dry prevention feature
- ✓ Integral drip tray to prevent spillages
- ✓ Bespoke designs available
- ✓ Manufactured in the UK



### Optional Extras Available:

Digital Flow Meter	◆	Hydrostatic Test Pump for pressures up to 60,000psi	◆
Data Acquisition System	◆	6 port high pressure manifold	◆
Air Blast Cooler	◆	Atex Options	◆
Tank Pre-fill pump	◆	DNV options	◆



## FLUSHING RIG RANGE

### Hydraulic Range

The list below shows the most popular flushing rigs suitable for hydraulic oil in our range, however we also offer many other flows and pressures as standard. For any requirements not listed contact our sales department.

Model Number	Max Pressure		Max Flow Rate (per min)	
	PSI	BAR	Litres	Gallons
FR-H-150-200	2,900	200	150	33.3
FR-H-100-250	3,625	250	100	22.2
FR-H-75-250	3,625	250	75	16.7
FR-H-54-420	6,090	420	54	12
FR-H-38-560	8,120	560	38	8.5
FR-H-26-700	10,000	700	25.6	5.7
FR-H-18-700	10,000	700	18.2	4.1

### Water/Glycol Range

The list below shows the most popular flushing rigs suitable for water/glycol in our range, however we also offer many other flows and pressures as standard. For any requirements not listed contact our sales department.

Model Number	Max Pressure		Max Flow Rate (per min)	
	PSI	BAR	Litres	Gallons
FR-WG-76-220	3,190	220	76	16.8
FR-WG-52-220	3,190	220	52	11.5
FR-WG-26-700	10,000	700	25.6	5.7
FR-WG-18-700	10,000	700	18.2	4.1

*\* Please note that figures about may vary due to the type of hydraulic oil or water/glycol being used. To confirm performance is correct our sales team will require information on the fluid to be used.*

Not sure of you flushing requirements? Our flushing calculator can help.

Contact our sales team for more information.



## HYDRAULIC POWER UNITS(HPU'S)-ELECTRIC SUPPLY

### HPU-E Range

The GD Hydraulics HPU-E range of electric supplied Hydraulic Power Units are available for both onshore and offshore use. Our units are designed and built to provide variable amounts of pressure and flow required to power a diverse and ever increasing range of hydraulic equipment. As well as our standard range of HPUs, our design team are available to offer equipment to meet specific customer requirements.

### Typical Applications

Valve Actuation	⬡	Polymer processing machinery	⬡
Testing	⬡	Actuator Functioning	⬡
Hydraulic Cylinder Functioning	⬡	B.O.Ps	⬡
Powering Machinery	⬡	R.O.Vs	⬡

### Standard Features and Benefits

- ✓ Hydraulic Oil or Water/Glycol Fluid Options
- ✓ Flow rates up to 150 LPM (33.3 Gallons) per minute as standard
- ✓ Pressures up to 10,000 PSI (700 Bar) as standard
- ✓ Built in pump supply filtration
- ✓ Pump Run Dry prevention feature
- ✓ Integral drip tray to prevent spillages
- ✓ Bespoke designs available
- ✓ Manufactured in the UK



### Further Specifications

- Atex Certification available
- Water/Glycol pump upgrades available
- Filter systems to NAS Class 6 available
- DNV 2.7-1 option available
- Stainless Steel or Painted fabrication options
- Extend/Retract function option available

The table below shows the most popular Hydraulic Power Units suitable for hydraulic oil in our HPU-E range, however we also offer many other flows and pressures as standard. For any requirements not listed contact our sales department.

Model Number	Max Pressure		Max Flow Rate (per min)	
	PSI	BAR	Litres	Gallons
HPU-E-150-200	2,900	200	150	33.3
HPU-E-100-250	3,625	250	100	22.2
HPU-E-75-250	3,625	250	75	16.7
HPU-E-54-420	6,090	420	54	12
HPU-E-38-560	8,120	560	38	8.5
HPU-E-26-700	10,000	700	25.6	5.7
HPU-E-18-700	10,000	700	18.2	4.1

*\* Please note that figures may vary due to the type of hydraulic being used. To confirm performance is correct our sales team will require information on the fluid to be used.*





## HYDRAULIC POWER UNITS(HPU'S)-ELECTRIC SUPPLY

### Hydraulic Power Units (HPUs) – Electric Supply 110V or 220V

#### HPU-ES Range

The HPU-ES range of electric supplied Hydraulic Power Units are available for general hydraulic power generation. The range is available in single and double acting configurations.

#### Typical Applications

Valve Actuation	●	Polymer processing machinery	●
Testing	●	Actuator Functioning	●
Hydraulic Cylinder Functioning	●	Powering Machinery	●

#### Standard Features and Benefits

- ✓ Oil Level Gauge
- ✓ Adjustable Pressure Relief Valve
- ✓ Manual Operation Valve
- ✓ Inbuilt fluid tank
- ✓ Pump Run Dry prevention feature
- ✓ Hydraulic Pressure Gauge
- ✓ Manufactured in the UK



#### Further Specifications

- 110 or 220V Supply
- Single or Double Acting
- Solenoid Options Available

The table below shows the most popular Hydraulic Power Units suitable for hydraulic oil in our HPU-ES range, however we also offer many other flows and pressures as standard. For any requirements not listed contact our sales department.

Model Number	Max Pressure		Max Flow Rate (per min)	
	PSI	BAR	Litres	Gallons
HPU-ES-150-200	2,900	200	150	33.3
HPU-ES-100-250	3,625	250	100	22.2
HPU-ES-75-250	3,625	250	75	16.7
HPU-ES-54-420	6,090	420	54	12
HPU-ES-38-560	8,120	560	38	8.5
HPU-ES-26-700	10,000	700	25.6	5.7
HPU-ES-18-700	10,000	700	18.2	4.1

*\* Please note that figures may vary due to the type of hydraulic being used. To confirm performance is correct our sales team will require information on the fluid to be used.*



# GD Hydraulics

Testing & Control

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