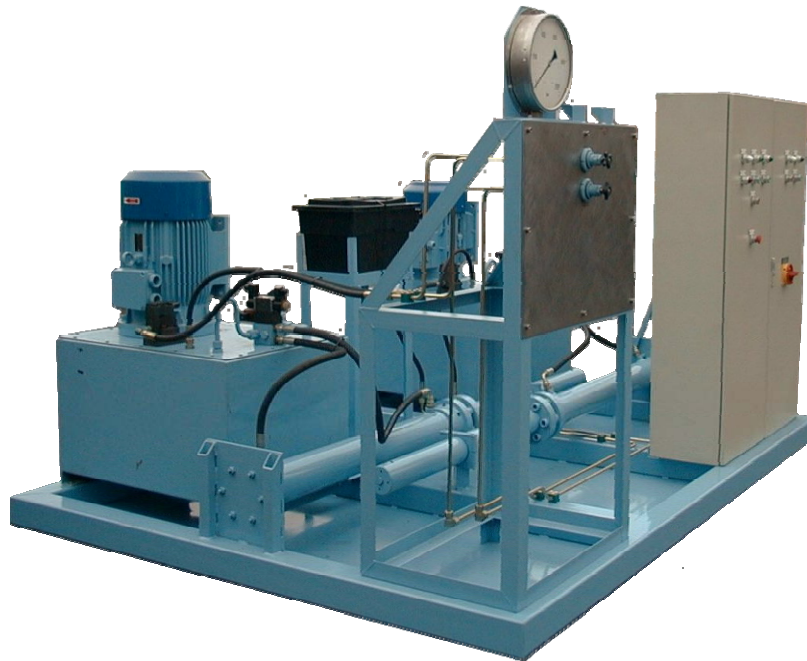


# Pressure Intensifier



**CFP Hydraulic Systems Ltd  
Unit 24 Foxwood Road  
Sheepbridge Industrial Estate  
Chesterfield, Derbyshire  
S41 9RF**

**Tel: 01246 450445 Fax: 01246 450033  
Email: [info@cfphydraulics.co.uk](mailto:info@cfphydraulics.co.uk)**

# Intensifier - Overview

## Pressure Testing Refined

The pressure testing of containers using accurate pressure profiles is both complex and difficult to safely achieve. To date the majority of equipment on the market place uses air/gas pressure; which in the event of container failure can cause disastrous results.

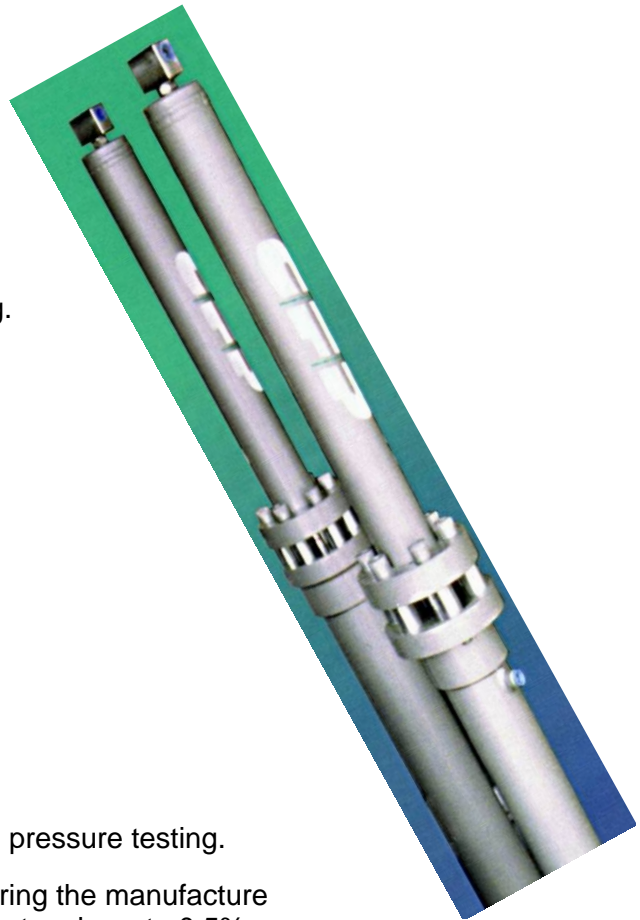
Designed and built exclusively by CFP, the high pressure intensifier delivers fluid pressures at a single stroke. The CFP intensifier is the ideal choice for pressure testing of cylinders, valves, containers and vessels where pressure is of critical importance in the testing function and needs to be delivered with high levels of accuracy and stability.

The intensifiers deliver:

- High accuracy pressure testing.
- Enable fast testing of your products.
- Proven and well developed.
- Reliable and easy to maintain.
- Produces controlled test pressures in fluid.
- Absolute constant flow; no jetting or pulsing.
- Output pressures up to 700 bar.
- Cost effective.

Ideal applications for the intensifiers include:

- Stress testing of breathing air bottles.
- Test of production stock of gas bottles.
- Expansion of copper tubes.
- Drum, Barrel and Keg pressure testing.
- Plastic, Alloy, Steel and Glass bottle/vessel pressure testing.
- Production of accurate pressure profiles during the manufacture of PTFE compound seals, reducing failure rates down to 0.5%.
- Boiler pressurisation testing.



If you're looking for an accurate mode of pressure testing, with high levels of controllability and without shocks or variances in the pressure – the Intensifier will suit your needs.

## CFP Intensifiers - Designed To Last

Tel: 01246 450445 - Fax: 01246 450033 - Email: [info@cfphydraulics.co.uk](mailto:info@cfphydraulics.co.uk)

# Intensifier - Specification

The high pressure intensifier enables users to accurately and safely deliver fluid pressures up to 700 bar at a single stroke. Suitable for use with test mediums of oil or emulsions, the CFP intensifier is the ideal choice for pressure testing of cylinders, valves, containers and vessels where pressure is of critical importance in the testing function. Producing controlled pressures steadily and smoothly without shocks or variances, with an accuracy of  $\pm 0.25\%$  and smooth pressure change, you can accurately and safely check pressure at any point during the test cycle.

The intensifier can operate with both oil or water mediums. Output test volumes from 100cc up to 2.5 litres are available with either manual or electronic pressure controls. All intensifiers are built specifically for purpose and to enable correct design, the following information is required:

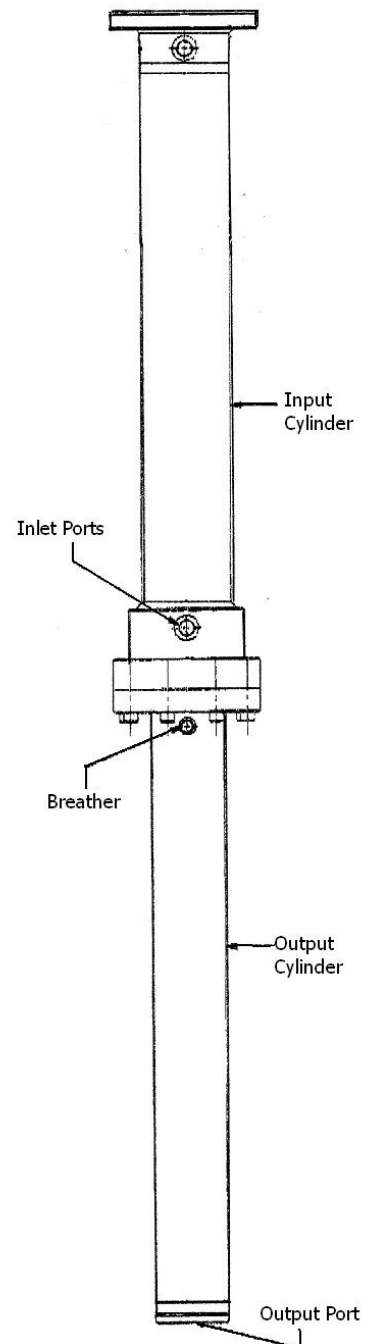
- Test fluid required
- Maximum test pressure required
- Maximum test fluid volume
- Number of tests required per day
- Duration of test required
- Power source required/available
- Type of pressure control (manual or electronic)
- Pressure readout required (gauge or electronic)

Using accurately controlled hydraulic pressure at sub 250 bar levels, the intensifier applies this to a pressure intensification device. This produces secondary pressures up to a ratio of 3:1 of the original hydraulic pressure.

Manufactured from solid drawn hydraulic tubes for standard oil applications or from 316 stainless steel for water based applications and with a safety factor of 6:1, the intensifier can be used in any environment where high accuracy pressure testing is required.

These units can be supplied built to your specifications within six weeks from date of order, either as single units or complete with power units as a fully working system. Paint finish is per customer specification and all build components are off the shelf, resulting in a rapid turn around from initial order to delivery, built to the highest standards and fully tested with a certificate of incorporation to BS EN 982: 1996 (Hydraulics). To ensure the pack and system run correctly, CFP also offer a complete installation, commissioning and service package.

To obtain a detailed specification for your requirements contact CFP Hydraulics directly on 01246 450445, we will then be able to design and build the correct type of intensifier for your needs.



## CFP Intensifiers - Designed To Last

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