

HYDROSTATIC PRESSURE TEST FRAMES



- **Compact and mobile**
- **Air powered**
- **High flow rate options**
- **Ranges 25 – 1300 bar**
- **Suitable for severe locations**
- **Chart recorder/ data logger option**
- **Stainless components for seawater**

This range of **Pressure Testing Units** can be used for testing **pipelines, safety valves, and related components**. The Units use compressed air normally available on site and within workshops to carry out hydrostatic pressure testing.

A range of pressure and flow rates are available to meet most test applications. Units feature **variable flow rate pumps** to allow fast fill with high ultimate pressures.

All units are calibrated to **International standards**, referencing to the UK's National Physical Laboratory.

The unit incorporates a buffer water tank; this and all high pressure components are of stainless steel and suitable for use with **seawater** as well as fresh water.

As an option, the units can be supplied with a 2 or 4 wheel trolley.

SPECIFICATIONS AND OPTIONS

The units are offered with single or dual pumps dependent on the flow rate and maximum pressure required. Common specifications are:

| | |
|----------------------------|---|
| Pressure ranges | 25-1300 bar. Limited by safety relief valve. |
| Maximum flow rates | Up to 35 litres/minute |
| Nominal driving air | 5 to 7 bar, with input filter |
| Water tank | Up to 20 litres with input filter |
| Connections | <ul style="list-style-type: none"> • Up to 700 bar ¼ inch NPT or BSP bulkhead fittings • Above 700 bar, autoclave fittings. • Water input, ½ inch camlock fittings. |
| Typical dimensions | <ul style="list-style-type: none"> • Single pump versions, 580, 460 wide, 480 high • Dual pump versions, width varies. • Dimensions exclude optional trolley. |
| Options | <ul style="list-style-type: none"> • Chart recorder, 6 inch circular on the vertical front face • Data Logger. • Remote emergency shut off. • Remote pressure monitoring. |

Note that as the test units are built to meet the client 's requirements, the above details are intended as a guide.

TYPICAL SINGLE PUMP TEST UNITS

| Test Unit Reference | Maximum Pressure (Bar) | Flow rate in litres/minute at % of maximum pressure | | | |
|---------------------|------------------------|---|-----|-----|------|
| | | 10% | 25% | 50% | 75% |
| FM1/9 | 60 | 18 | 10 | 8 | 3 |
| FM1/28 | 150 | 7 | 6.5 | 6 | 4 |
| FSP1/35 | 300 | 5 | 4 | 2.5 | 1.5 |
| FSP1/100 | 600 | 2.2 | 1.7 | 1.3 | 1 |
| FSP1/150 | 1100 | 1.1 | 0.9 | 0.7 | 0.4 |
| FSP1/200 | 1600 | 0.8 | 0.7 | 0.4 | 0.15 |

TYPICAL DUAL PUMP TEST UNITS

| Test Unit Reference | Maximum Pressure (Bar) | Flow rate in litres/minute at % of maximum pressure | | | |
|---------------------|------------------------|---|-----|-----|-----|
| | | 10% | 25% | 50% | 75% |
| FMM/4-9 | 60 | 48 | 22 | 8 | 3 |
| FMM/9-28 | 170 | 27 | 11 | 4 | 2 |
| FMS/36-100 | 600 | 5 | 2 | 1.3 | 1 |



Fraser Pump and Engineering supplies a wide range of pressure and vacuum test systems for applications in the petrochemical, oil and gas industry. Units can be electric or diesel powered as well as air driven. Details can be found at www.fraserpump.com, or contact us for further information.

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