

# HYDROSTATIC TEST UNITS



- 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, delivery hoses and pressure 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.

The units are mobile and 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:

<b>Pressure ranges</b>	25-1300 bar. Limited by safety relief valve.
<b>Maximum flow rates</b>	Up to 35 litres/minute
<b>Nominal driving air</b>	5 to 7 bar, with input filter
<b>Water tank</b>	20 litres with input filter
<b>Connections</b>	<ul style="list-style-type: none"> <li>• Up to 650 bar ¼ inch NPT or BSP bulkhead fittings</li> <li>• Above 650 bar, autoclave fittings.</li> <li>• Water input, ½ inch camlock fittings.</li> </ul>
<b>Typical dimensions</b>	<ul style="list-style-type: none"> <li>• Single pump versions, 1150 high to panel, 460 wide, 330 de</li> <li>• Dual pump versions, width varies.</li> <li>• Dimensions exclude trolley.</li> </ul>
<b>Options</b>	<ul style="list-style-type: none"> <li>• Chart recorder, 6 inch circular on the vertical front face</li> <li>• Data Logger.</li> <li>• Remote emergency shut off.</li> <li>• Remote pressure monitoring.</li> </ul>

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%
M1/9	60	18	10	8	3
M1/28	150	7	6.5	6	4
SP1/35	300	5	4	2.5	1.5
SP1/100	600	2.2	1.7	1.3	1
SP1/150	1100	1.1	0.9	0.7	0.4
SP1/200	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%
MM/4-9	60	48	22	8	3
MM/9-28	170	27	11	4	2
MS/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](http://www.fraserpump.com), or contact us for further information.