

**3.0 Operation**

The system is controlled by shut-off valve on the main control panel and main air pressure regulator c/w filter and second air control valve (relief function)

Manufacture settings:

Maximum temperature for the liquid cannot be higher than 40°C

The unit can be controlled locally from the main panel.

To fill the tank with fluid use filter/air breather item 5 as shown on enclosed drawings in section 6.

15792-007 Iss01 MINIPACK 10000 PSI HYDRAULIC SCHEMATIC and  
15793-001 Iss01 MINIPACK 10000 PSI HASKEL GENERAL ARRANGEMENT.

To drain the tank use ball valve 4 (normally closed).

Confirm that the correct fluid has been used and that the appropriate filling level has been achieved at the visual level gauge 6.

Verify that all pipework and ports are identified in accordance with the Hydraulic Circuit Drawing.

Maximum torque requirements for autoclave fittings Nm:

	Tube Connection Size Nm	Tub Nut Hex Size Nm	Required Torque Nm
Medium pressure	1/4"	1/2	27.1
	3/8"	5/8	40.6
High pressure	1/4"	5/8	33.9
	3/8"	13/16	67.8

Maximum torque requirements for air components Nm:

	Required torque Nm
Connecting modules with the W04 block assembly kit	2.5
Mounting control panel nut	10
Mounting fittings	7-8

### 3.1 **High pressure HP system**

Maximum Working pressure is controlled by an air pressure regulator (relief function) item 10. Working pressure can be controlled by an air pressure regulator item 9. The data sheet in section 7 and drawings in section 6 identify the specific devices.

To operate high pressure system use shut-off valve 11 on the panel.

Operating pressure can be adjusted from 0-700 BAR by air pressure regulator. The system is equipped in isolating valve 3A and bleed valve 3B which allows releasing pressure from the system.

**NOTE: Ensure to use special Autoclave Engineers pipe and fittings to connect with high pressure outlet. The outlet port to be medium pressure 3/8" SF375CX**

To replace pressure gauges:

**NOTE: For a safety reason unplug the equipment from external source of air**

1. Use shut-off air valve 11 to ensure air is not supplied to the pump 1.
2. Ensure all 2 liquid outlet ports are plugged.
3. Release pressure from the system by opening release valve item 3A & 3B.
4. Ensure air pressure gauges item 8A and 8B show no air pressure in a system.
5. Ensure liquid pressure gauges item 7A and 7B show no pressure in a system.
6. Be sure The HPU is not under pressure,
7. Pressure gauges can now be replaced safely.

The data sheet in section 7 and drawings in section 6 identify the specific devices