

**Advanced hydro fracking setup
(computerized version)**

SPECIFICATION

Size of the specimen:

1. Dia of the specimen : \approx 100mm to 200mm dia
2. Height of the specimen : \approx 100mm to 120mm dia

Capacity of equipment

2. Capacity of the equipment : 1200 bar
3. Least count / Accuracy : 0.7 bar
4. Display : 4 digit Digital display with Rs 485 Communication
5. LCD display : Touch screen and programmable

Pressure system

5. Pressuring items :
 1. water
 2. Sand with water mixer
 3. Gel with water Mixer
6. Pressuring units : High Pressure Syringe Pump

High Pressure Syringe Pump

7. Capacity : 67.97 ml
8. Flow range (ml/min) : 0.01ml/min – 25 ml/min
9. Flow accuracy : \pm 0.3% of setpoint, (Maximum 0.25 μ l/min seal leakage)
10. Displacement resolution: 2.5 nl/step
11. Motor stability : \pm 0.001%
12. Pressure range : 10 - 20,000 psi
13. Standard pressure accuracy: 0.5% FS
14. Optional pressure accuracy: 0.1% FS
15. Wetted materials (standard): Nitronic 50, Graphite filled PTFE, TFE
16. Plumbing ports : 1/4" pipe line
17. Operating temperature : 5 - 40° C Ambient
18. Power required : 234 V, 50/60 Hz (specify)