

Air/Oil Pressure Booster (HPC-070)



- 70 MPa (10,000 psi) pressure range
- Easy to use
- Air operated
- Compatible with almost any type of fluid service
- Ideal for confining or back (pore) pressure application to triaxial cell
- Low acquisition cost and low operating cost
- Systems available for pressures up to 210 MPa

DESCRIPTION

GCTS Air/Oil Pressure Boosters are very easy to operate and provide an economical alternative to servo-controlled pressure intensifiers. Air source from a 3 to 5 H.P. air compressor is sufficient to drive these pumps.

The GCTS Air/Oil Pressure Boosters are enclosed in a table-top metal cabinet and include pressure panel, 19-liter (5 gallon) fluid reservoir with pressure/vacuum/ vent port and venturi vacuum pump for easy filling and draining pressure cell, sight level gage, pressure gauge, input and output pressure regulators, high pressure valves, and a 3-meter flexible hose.

SPECIFICATIONS

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| Pressure control precision: | ±1 MPa (150 psi) |
| Pressure test gauge accuracy: | ±0.25% |
| Maximum Flow Rate: | 0.3 liter/minute |
| Fluid compatibility: | water and oil (consult GCTS for other) |
| Fluid reservoir capacity: | 19 liter (5 gallon) |
| Required input: | 700 kPa (100 psi) air pressure |

SHIPPING

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| Weight: | 130 kg. |
| Dimensions (meters): | 0.75W x 0.85D x 1.0H |