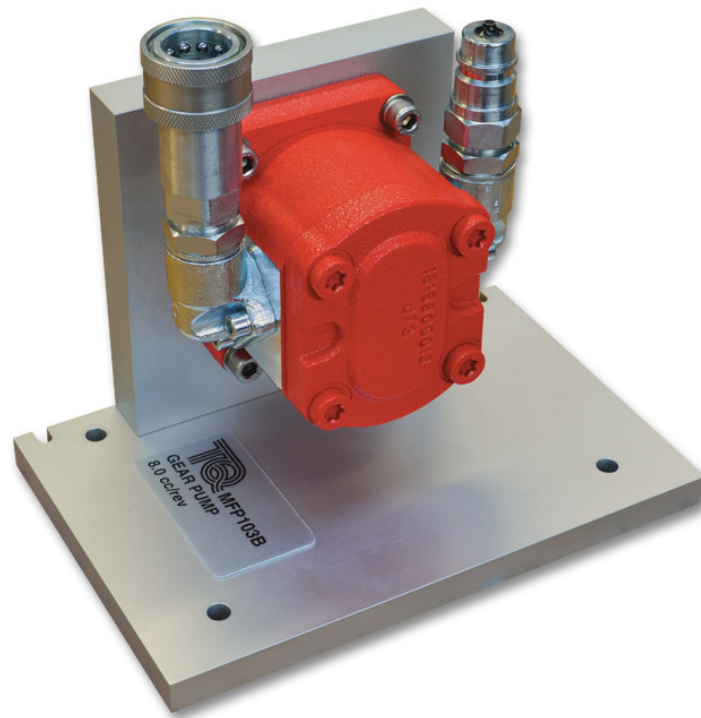


≡ GEAR PUMP

VDAS® MFP103B

Gear pump for use with the Positive Displacement Pump Support Module (MFP103).



KEY FEATURES

- Popular design, ideal for student experiments, demonstrations and projects
- Quick-release, self-sealing connections for simple and safe fitting
- Demonstrates the characteristics of a gear pump

≡ GEAR PUMP

VDAS® MFP103B

DESCRIPTION

For use with the Positive Displacement Pump Module (MFP103) this pump is ideal for student experiments, demonstrations and projects.

The gear pump is a positive displacement pump. It has double gears that deliver a given volume of fluid (oil) for each full rotation of the pump shaft.

The gear rotation generally determines the flow direction, but you only test the pump in one direction, determined by the Universal Dynamometer.

Self-sealing connections reduce oil spillage and simplify installing the pump to the pump module.

STANDARD FEATURES

- Five-year warranty
- Made in accordance with the latest European Union directives
- ISO9001 certified manufacturer

LEARNING OUTCOMES

- Performance and characteristics of a gear pump
- Volumetric and overall efficiencies
- Use of an oval gear flowmeter

WHEN TWO OR MORE OPTIONAL PUMPS ARE ORDERED:

- Comparison of positive displacement pumps (economy, flow rate and output pressure pulses)

ESSENTIAL BASE UNIT

- Positive Displacement Pump Module (MFP103) (with Universal Dynamometer MFP100)

OPERATING CONDITIONS

TecEquipment is committed to a programme of continuous improvement; hence we reserve the right to alter the design and product specification without prior notice.

OPERATING ENVIRONMENT:

Laboratory

STORAGE TEMPERATURE RANGE:

-25°C to +55°C (when packed for transport)

OPERATING TEMPERATURE RANGE:

+5°C to +40°C

OPERATING RELATIVE HUMIDITY RANGE:

80% at temperatures < 31°C decreasing linearly to 50% at 40°C

SPECIFICATIONS

NETT DIMENSIONS:

Approximately 250 mm x 250 mm x 250 mm and 8 kg

PACKED DIMENSIONS:

Approximately 0.05 m³