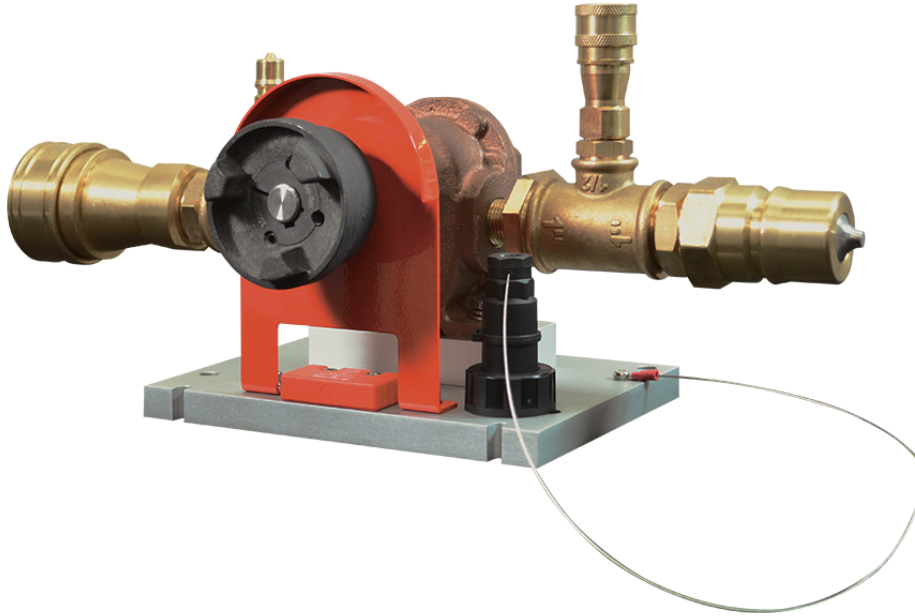


≡ GEAR PUMP

VDAS® H85A

Gear Pump for use with the multi-pump test set (H85V)



KEY FEATURES

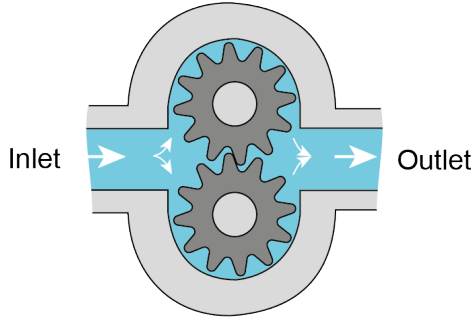
- Positive displacement pump
- One of a set of optional pumps for use with TecQuipment's H85V Multi-pump Test Set
- Mounted on a base plate that slots into the base unit
- Simple and safe to use, its foolproof fittings allow students to change and connect the pump quickly and easily without tools
- Corrosion-resistant materials for use with clean de-ionised water at safe temperatures

GEAR PUMP

VDAS® H85A

DESCRIPTION

Two gears are held in a housing with one gear being driven. The fluid is trapped by the gear teeth and the housing and gears rotate. The fluid is then discharged at the outlet. The engaged teeth of the gears create a seal preventing leakage back to the inlet.



External Gear

STANDARD FEATURES

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

ESSENTIAL BASE UNIT

- Multi Pump Test Set (H85V)



THE BASE UNIT (H85V) SHOWN WITHOUT A PUMP FITTED

LEARNING OUTCOMES

- Understanding pump performance
- Creating characteristic curves from experimental data
- Investigating, analysing and comparing the characteristics of different pump types (if more than one pump is purchased)

DETAILED SPECIFICATIONS

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

NETT DIMENSIONS:

245 mm (length), 190 mm (height), 450 mm (width)

8 kg (weight)

OPERATING CONDITIONS

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

PUMP TECHNICAL DETAILS

CC / Rev: 23.00

Nominal Maximum RPM: 1725

Rotation Direction: Clockwise

Nominal Maximum Pressure (bar): 5