Product name:	Product code:
Single Cylinder Engine with Variable Compression	Fluid Equipments0032



Description

Single Cylinder Engine with Variable Compression

Technical specification

8. Force transmission to brake unit using claw coupling
9. Engine completely equipped with fuel lines and temperature sensors for exhaust gas and cooling water
10. Fuel hoses with self-sealing quick-release coupling

Description of **Single Cylinder Engine with Variable Compression**

In conjunction with the test stand, the engine is a complete engine test stand. Major technical modifications have been made to a standard water-cooled single cylinder engine to allow demanding issues in engine technology to be investigated by experiment. The key feature is that the cylinder has been modified so that its height can be adjusted along with that of the cylinder head. This allows the compression ratio to be adjusted over a wide range.

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The engine can be operated as an external ignition petrol engine or an auto-ignition diesel engine. The mode of operation can be changed by a few simple conversion steps.

Specification of **Single Cylinder Engine with Variable Compression**

1. Water-cooled single-cylinder experimental engine for setting up an engine test stand in conjunction
2. Demonstration of diesel and petrol processes on an engine with variable compression
3. Creation of different compression ratios using a height adjustable cylinder
4. Adjustable ignition point
5. Diesel mode with direct injection
6. Petrol mode with carburettor
7. Engine mounted on base plate