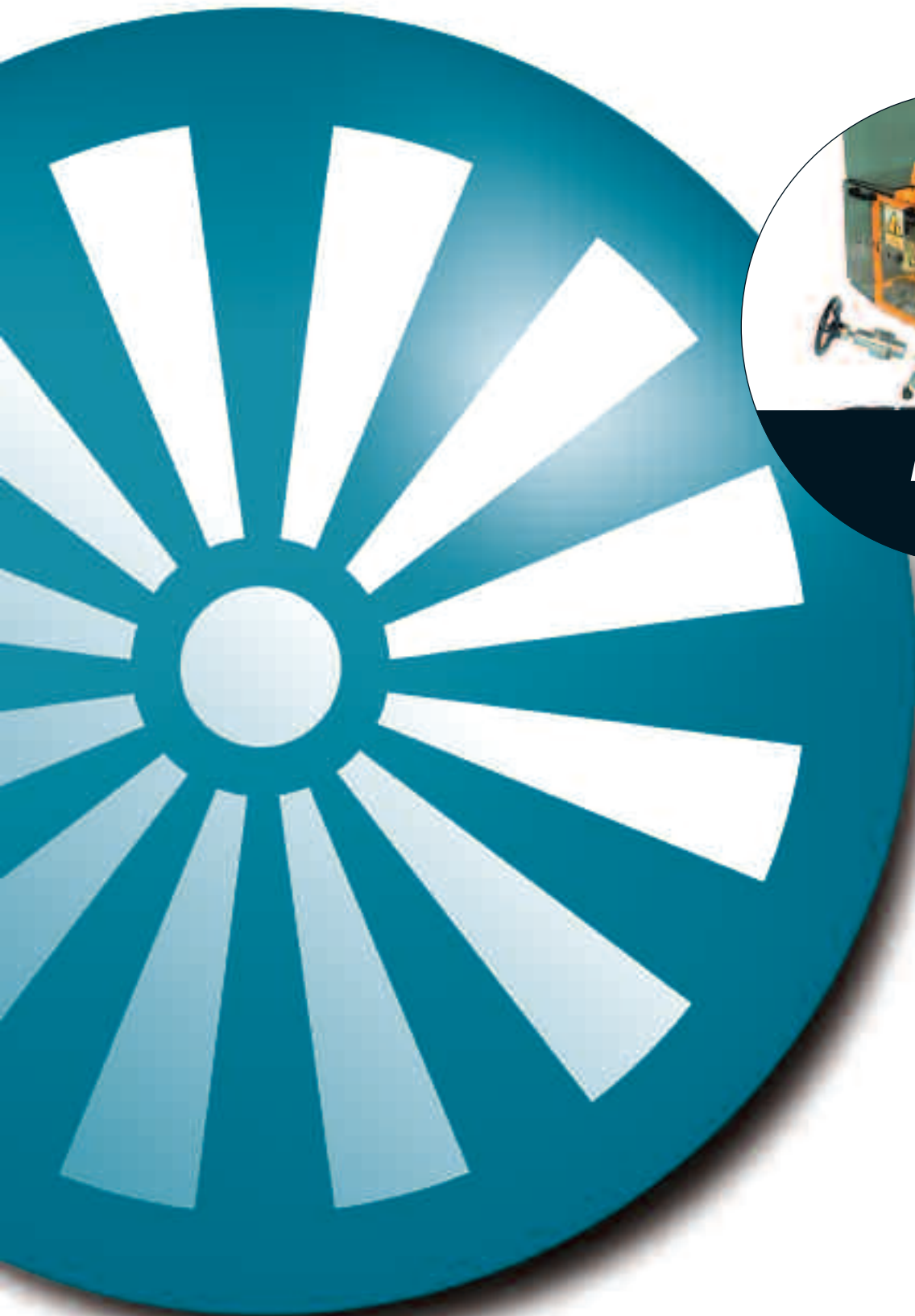


Common Rail Base Kit

HB378



Common Rail Base Kit HB378

The **Hartridge™** Common Rail Base Kit HB378 is designed to enhance the capability of the AVM2-PC Test Stand by providing the platform for testing all common rail pumps and systems. This includes Bosch, Delphi, Denso and Siemens. An important part of the kit is the interlocked safety guard, which is designed to become part of the Test Bench and should not need removal every time a different type of common rail pump is tested.

Main Features

- Uses the digital AVM2-PC Test Bench as the drive, user interface, and measuring device.
- Interlocked 2000bar safety guard with pressure dump valve.
- Universal pressure control valve to allow pump flow tests via the AVM2-PC metering unit.
- Upgraded test oil filtration.

Benefits

- Provides the basic safety features and testing hardware to enable testing Common Rail pumps and systems.
- The HB378 can be used for Bosch, Delphi, Denso and Siemens Common Rail.

Operator Safety

Common Rail systems operate at continuous high pressure, giving a far greater risk of injury than traditional FIE systems. Adequate protective measures must be taken when working on Common Rail systems. The **Hartridge™** HB378 satisfies this need and reduces the risk by enclosing all the high pressure components within the guard, and operating the following safety strategies:

- a) The pump drive cannot be started if the guard is open.
- b) When the guard is opened the pump drive is stopped and the pressure dump valve is opened (immediately relieving the high pressure).

Specification

- Fully interlocked guard assembly (complete with pressure dump valve).
- Guard Interface PCB and associated wiring.
- 2-micron in-line test oil filter assembly.
- Pressure Control Valve.
- Guard switch extension cable.
- High pressure pipes (pump to dump valve, and dump valve to control valve).
- Delivery Hose.

Screen Display



Figure 1 AVM2-PC Test Stand, Common Rail control screen display

Additional Accessories

To test Common Rail injectors and pumps additional kits plus associated adaptor kits are required to provide the electrical controls and mechanical attachments necessary.

- HK900 All Makes Common Rail Injector Test Control System and Fixturing.
- HF1130 All Makes Common Rail Pump Test Control System.

The **Hartridge™** HM1050 Trolley can be used to store the Common Rail Base Kit HB378.



Figure 2 HK900



Figure 3 HF1130



Figure 4 HM1050 Trolley



Figure 5 Typical Common Rail Pump Mounting Kit

Ordering

HB378 Universal Common Rail Base Kit for AVM2-PC.

Shipping

Gross Weight: 97kg

Net Weight: 74kg

Case Size: 121 x 101 x 71cm

Contact your local **Hartridge™** distributor
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Continuous development is taking place. **Hartridge™** reserves the right to alter the design and/or specification without prior notice.

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