The ASTM D6079 specifies the PCS Instruments’ High Frequency Reciprocating Rig (HFRR) Mechanical and Control Unit.

HFRR system (PN: HFRSYS) comprises of:
- Mechanical test unit with upper and lower specimen holders.
- Control and data acquisition system pre-loaded with standard test protocols.
- User manual
- Main temperature probe
- Tool set
- Weight hanger cord
- Calibration kit, screw set, weight set

A microscope capable of 100x magnification in graduations of 0.1mm and divisions of 0.01mm divisions. PCS Microscope (P/N HFRMIC) Metallurgical microscope with calibrated micro meter stage

An ultrasonic seamless stainless steel tank is required with adequate capacity and a cleaning power of 40 W or greater. (P/N: HFRBATH)

Reference fluid A+B is required to verify the test apparatus performance and accuracy. (P/N HFRRFA and HFRRFB). Fluids come in 0.5 & 1.8 litre cans

Recommended consumables for one year testing (500 tests):
- 5 x HFRSSP
- 2 x HFRSS
- 1 x HFROOOL
- 1 x HFRWHC
- 1 x HFRMICLAMP
- 2X HFRMRTD

Please contact PCS for more information

Please note PCS Instrument is the only specified manufacturer of the HFR Rig and specimens on ASTM D6079. If any other brands are used the test will not conform to this standard.