

High Flow Contaminant Test Rig

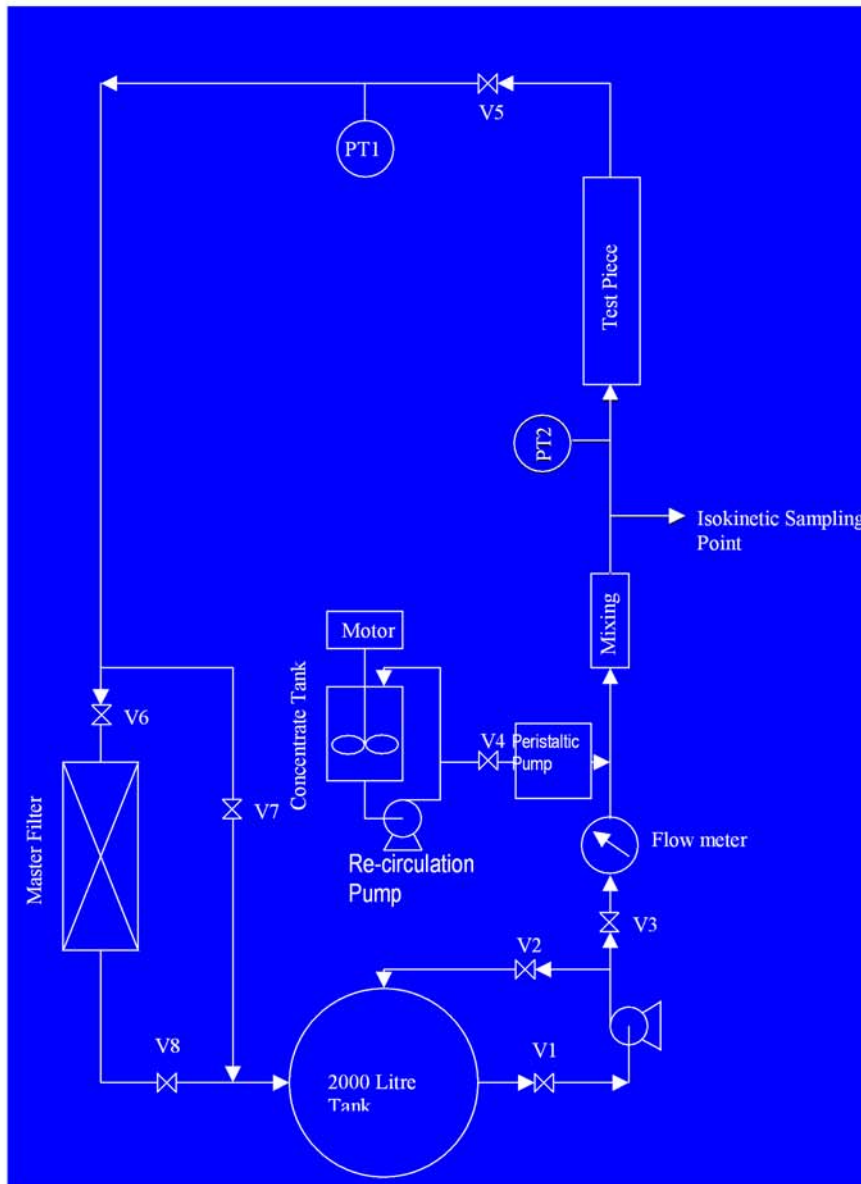
Particle Technology Ltd have designed and developed a new testing rig to perform high flow rate contaminant tests. The bespoke test facility allows flow rates as high as 900 l/min to be obtained, this capability is not available anywhere else in the UK.

The contaminant test rig employs a single pass design, the contaminant is injected into the system, passes through the test piece and is collected on the master filter. This design ensures that the contaminant concentration and

composition is consistent throughout the test.

The unique design of the injection system allows a contaminant concentrate of between 2.5 to 7.5 % to be injected into the test rig directly before the test piece, this ensures that the test piece is challenged with all of the contaminant.

Isokinetic sampling can be performed throughout the test so that the exact concentration of contaminant can be determined



- Flow rate adjustable between 100 and 900 l/min
- Filtration down to 1 micron as standard, finer filtration on request.
- Full UKAS calibration on all equipment used for testing.
- Full data logging of flow rate and pressure drop.
- Concentration of contaminant accurate to within 10% of specification.
- Testing to MIL 5007, MIL 8593, MIL 8615 and many more
- Traceability of concentration measurements through isokinetic sampling