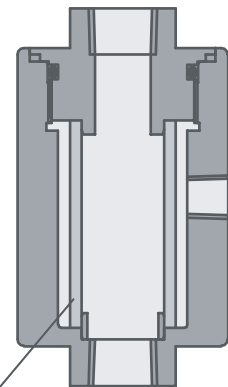


## Fast Loop Applications

Fast loop filter housings are specified for process sample systems. The straight through design is ideal for heavily contaminated systems, since the filter element is continuously flushed by the main high flow stream. Only the low flow stream to the analyser is filtered, maximizing filter element life. Traditionally three port T-shape filter housings have been used for fast loop or bypass applications, but these do not have the advantage of continuous flushing of the filter element.



Filter Element

Special size housings can be designed to suit all flow rates and applications.

Fast loop filters use an axial velocity to flush heavy contaminants down stream, while the sample flows through the filter element with low flow into the sample line. The fast loop filter housings are designed with a very low volume to minimise the response time. For best results, a 4 to 1 flow rate should be maintained for efficient continuous flushing.

