

INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS **SAMPLER TYPE D**

Note: These samplers are designed and supplied for incorporation with other equipment.

Warning: Ensure that any part of body is kept clear of sampler at all times during operation, testing and servicing.

Isolate air and electricity supply before working on sampler.

INSTALLATION

The automatic sampler should be installed horizontally with the sample outlet facing downwards. The sampler should only be located in a gravity flow line, ensuring the location will have an evenly dispersed material flow.

When the sampler is mounted to 14 gauge material or lighter reinforce with a heavier gauge material before bolting on a sampler.

Mount the sample container in a convenient location below the sampler. Best results are obtained if the container is directly below the sampler.

OPERATION

Air supply is required to the 5/2 single solenoid valve controlling the pneumatic cylinder for operation of the sampler spool.

The spool extends into the product to be sampled, fills with product (approx. 0.2 litres/volume) and retracts allowing the product to fall by gravity to the collection point.

The double seal arrangement ensures the sample catchment area is always fully isolated from the collection point giving dust tight operation.

Air supply should be approximately 5 bar and free from moisture. Ensure nylon piping is not kinked..

The standard 5/2 single solenoid valve is piped so that on energising the spool extends to the catchment area and retracts on de-energising.

MAINTENANCE

NOTE:

ISOLATE AIR AND ELECTRICITY SUPPLY BEFORE WORKING ON SAMPLER.

The sampler is fitted with two piston seals (UHMWP) and should be inspected every 5,000 cycles and replaced if necessary. Failure to inspect may result in sampler malfunction and possible damage.

For seal inspection, disconnect air and electrical supplies, remove from situ, move spool into catchment area of sampler and inspect for wear on sampler body and condition of seals.

If replacement seals are required - remove piston by undoing nut whilst holding piston rod with spanner on flats. Piston can then be disassembled, reverse this operation to reassemble using a small amount of loctite

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