

INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS
SAMPLER TYPE R

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.

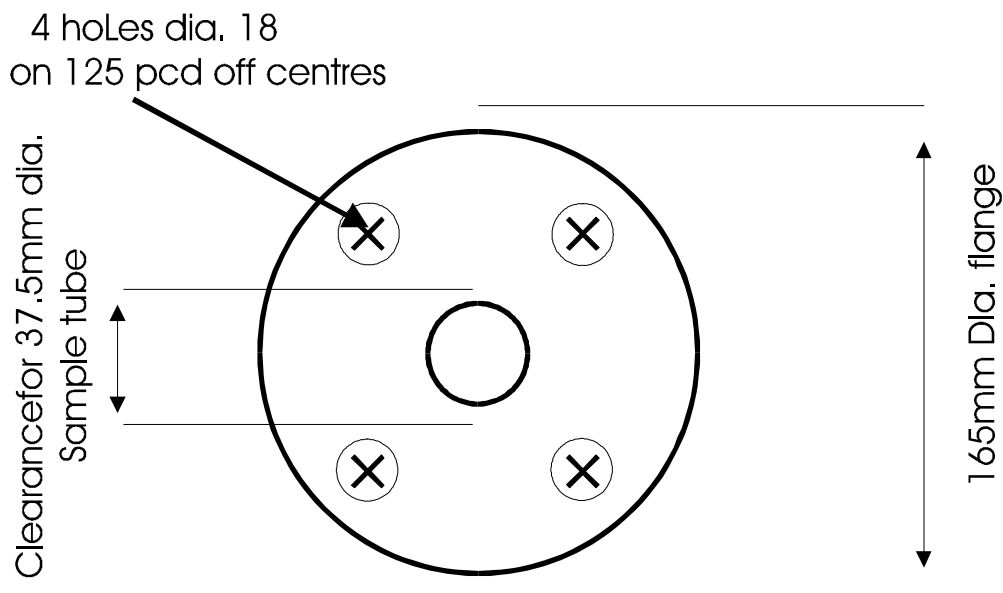
INSTALLATION

The automatic sampler should be installed horizontally with Sample outlet facing down.

The sampler can be either located in a gravity flow line or storage hoppers. When mounted in a gravity flow line ensure the location will have an evenly dispersed material flow.

When the sampler is mounted to a chute/hopper that is 14 guage material or lighter, you must reinforce with a heavier guage material before bolting directly to the chute/hopper.

If it cannot be reinforced then support the sampler with a bracket.



NOTE: When placing the sampler in position for mounting, make sure the opening slot in the sample tube faces the flow of material so the sample can enter the tube.

Mount 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 controlling the pneumatic cylinder for operation of retractable sample tube to and from the sample area. Air supply is also required to 3/2 single solenoid for operation of air motor to drive sampler Auger.

NOTE: With the air supplies connected an integral control system operates the sampler. The sample tube will be fully extended forwards into the sample area, the air driven auger will then activate to take the sample. When the required sample has been collected the sample tube fully retracts with the auger still running, the auger will continue to run for approximately 10 seconds after the sample tube is fully retracted to ensure the sample tube is clear of material.

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 the sample tube extends on energising and retracts on de-energising the solenoid. Ensure the lubricator is filled with an equivalent Class 1 lubricating oil suitable for use with air tools.

MAINTENANCE

ISOLATE AIR AND ELECTRICITY SUPPLY BEFORE WORKING ON VALVE

The sampler is fitted with PTFE chevron seals. The seals and spacers should be inspected every 10,000 cycles. Failure to inspect may result in sampler malfunction and possible damage.

For seal inspection the following procedure should be carried out:

Disconnect electrical and air supplies, remove sampler from situ.

Remove cover, disconnect cylinder rod from sample tube and withdraw the sample tube from the body and push out the seals and spacer.

Replace or return the seals and other parts in reverse sequence.