

## **INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS**

### **SAMPLER TYPE SV**

**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 can be installed using two methods, either wrap around or flat.

Whichever method is used, the sampler position should be at least two metres away from any bends or disturbance to allow an even product distribution at the chosen sampling point.

1. Choose the correct sample location on the conveying line and cut an appropriate size hole in the line, ensuring it is free from burrs. Take care not to overtighten the clamp bolts during assembly.

The sampler should be mounted horizontally or at a maximum angle of 45 degrees to horizontal. Mount the sample container in a convenient location below the sampler. Best results are obtained if the container is directly below the sampler. Ensure the flexible tube is not kinked.

3. The optional controller should be mounted in a vibration free location suited to the controller.

4. A single solenoid valve is fitted as standard with air connection made to the cylinder. If a filter regulator has been supplied (option) it should be mounted as close to the solenoid valve as possible. Operating air should be free from moisture and 4-5 Bar. Oil mist lubrication is unnecessary.

### **OPERATION/ADJUSTMENTS**

Operation of the sampler is controlled by the optional fully adjustable cyclic timer.

The sampler can be operated in manual mode to give a one shot operation or in auto mode to give continual cyclic operation to produce a composite sample.

When in the auto mode the frequency of sampler operation is set by the pause dial on the cyclic timer.

Maximum pause time is 60 minutes.

The speed of the sampler is controlled by air restrictors fitted in the exhaust ports of the solenoid operated air valve. This is factory set to approximately 0.1 M/S.

### **MAINTENANCE**

#### ***NOTE:***

**ISOLATE AIR AND ELECTRICITY SUPPLY BEFORE WORKING ON SAMPLER.**

After prolonged periods of use, wear may take place and cause the samplers wearstip tolerances to increase. These can be tightened or in severe cases will need replacing. Failure to inspect may result in sampler malfunction and possible damage.

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