

**INSTALLATION AND MAINTENANCE INSTRUCTIONS**  
**SLIDE VALVE TYPE S**

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

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

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Ensure mating flanges are flat. A soft gasket such as rubber should be used to take up irregularities in flanges with uneven surfaces. The slide plate is nearest the top flange of the valve.

**IMPORTANT** The top and bottom flanges of the valve are 14mm thick, securing screws SHOULD NOT protrude through the top flange. Flanges are tapped M10 as standard. DO NOT OVERTIGHTEN FIXING SCREWS. Valve must be mounted in the horizontal plane, ie flanges horizontal.

Valves are tested at the works, the slide plate/insert clearance being set. If this clearance is to be adjusted to suit product size and/or type, then the following procedure should be followed. The nuts securing the eccentric nylon supports should be slackened. The supports can be turned to increase or decrease the clearance by turning the pin using a hexagon key. The locknut is then re-tightened while holding the pin stationary.

**SCREW OPERATION TYPE SS** - The handwheel or chainwheel is sometimes supplied detached from the screwshaft for ease of packing. This should be secured by located and tightening the screw.

**PNEUMATIC OPERATION TYPE SP** - Should the exhaust air from the solenoid valve not be required to flush the interior of the valve, the pipe between the solenoid valve exhaust port and the slide valve body should be removed, the port in the top of the solenoid valve, exhaust air from the cylinder should be piped to the purge port if this facility is required. This port can be used for gas purging connection if required. Air supply should be approximately 5 Bar and free from moisture. Ensure the nylon piping is not kinked. The standard solenoid valve supplied is a single solenoid type and is piped so that the slide valve opens on energising the solenoid and closes on de-energising the solenoid, this gives a 'fail safe' condition on electricity supply failure.

**MAINTENANCE** - After prolonged periods, wear will take place and cause the slide plate/insert clearance to increase this is reduced by adjustment as described previously.

**NOTE:** ISOLATE AIR AND ELECTRICITY SUPPLY BEFORE WORKING ON VALVE.

**REPLACEMENTS -**

- (a) The seals in the pneumatic cylinder can be replaced when worn. These are supplied in kit form.
- (b) The slide plate supports can be replaced by removing the valve from position, undoing pin, retaining nut and washer and replace, as described above.

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