

Installation, Operation & Maintenance Instruction

3 PC Body, Clamp / Butt Weld Ends, Sanitary Valve

1. Scope:

This instruction applies to 3-PC Body, Full Port Sanitary Valve, 400WOG (PN25); Clamp Ends and Butt weld Ends; ETG SJG-80 according to BS 4825.

2. Warning (Restrictions on Use)

a. Temperature and Pressure Limit.

The operating temperature is within -40 Deg C to 200 Deg C for PTFE or RTFE seats and seals. Other seats and seals operating temperature shall be checked with supplier. The nominal pressure (PN) rating describes maximum working pressure in cold operating temperature (e.g. PN25 describes maximum working pressure 25 bar at -39 Deg C ~ 40 Deg C).

b. Fluid limitation.

Since this valve is fitted with soft seats, it is not suitable for products containing abrasive granules and solid particles.

c. No throttling operation.

Do not use the valve to Throttle or Regulate Flow or leave the ball partly open where the pressure drop and/or flow rate can damage the valve seats and/or ball.

3. Installation

a. Remove the rubber protective cover on clamp or butt welding ends and clean or flush the valve in fully open position (steam sterilization is allowed).

b. Prior to mounting, flush and clean the pipeline and valve to remove all accumulated extraneous matter.

c. Installation of Butt welding ball valves.

(1) Keep valves in open position. Standard butt welding ends are not extended and it is necessary to dismount cap bolts, but keep one bolts whose nut should be loosen, and then the valve can rotate freely.

(2) Finish the welding of both sides of the cap.

(3) After cooling, clean body and caps

(4) Rotate the valve to the original position, insert bolts and screw down nuts lightly. During operation, it is very important to keep body and cap in a good parallel state to keep cap from distortion.

(5) Screw down all the bolts and make sure to follow the max. value of bolt screwing torque

(6) Do complete examination. e. After installation, you should make sure that the valves and pipework can bear the pressure.

4. Operation and Use

a. Flush the ball valve and pipeline thoroughly again before operation.

b. The operation of the valve consists of turning the stem (by manual or automated means) $1/4$ turn 90 degrees clockwise to close, and $1/4$ turn 90 degrees counter-clockwise to open.

c. When the handle (if used) and/or stem flats or groove are in line with the pipe, the valve is open.

d. Operating torque requirements will vary depending on the length of time between cycles, media in the system, line pressure and type of valve seat.

5. Maintenance

Long life and maintenance free valves can be maintained under normal working conditions and in accordance with pressure/temperature and corrosion data chart.