



® **DELTA PACIFIC MFG. LTD.**
10 Victoria Way, Studlands Park Industrial Estate
Newmarket, CB8 7SH, England, U.K.

Tel : 44 1638 606 226
Fax : 44 1638 606 227
Email: DPV-UK@msn.com

INSTALLATION INSTRUCTIONS

FOR

DELTA PACIFIC

WAFER CHECK VALVES

DPV

Doc: WCV II – Rev 0

Page 1 of 3

Reg. No. 3837135

VAT No. 740 7697 10



INSTALLATION PROCEDURE

FOR DELTA PACIFIC WAFER CHECK VALVES **ALL STYLES**

1. **UNPACKING**

- 1.0 Firstly, identify the valves required by checking identification tag and valve markings.
- 1.1 Remove all flange face sealing materials (applied to prevent damage and corrosion taking place during transit). Also remove flange opening covers, caps or disks from machined surfaces.
- 2.0 **NOTE:-** ALL machined surfaces must be cleaned using a suitable de-greasing agent to remove all traces of protective coating particularly on body seat faces and disc.

3. **INSTALLATION**

- 3.0 When installing the valve into the required line, the valve identification tag is to be resecured.
- 3.1 Check that the direction of flow arrow is correctly positioned.
- 3.2 If the valve is in a horizontal pipeline the disk hinge pin **MUST BE** in the vertical position for the correct operation.
- 3.3 Offer up the valve to the pipeline.



Doc Ref WCV II

- 4.0 Before installing valve between mating pipe flanges, ensure all faces are clean, flat and free from all burrs and indents.
- 4.1 For raised face valves. Spiral wound type gaskets having an inner metal ring **MUST** be used.
- 4.1.1 Assemble gaskets either side of the valve face and between pipe flanges situated centrally between securing studs. Tighten studs to the required torque, using the opposite studs (180 degree tightening method) to ensure even loading on gasket seat faces throughout circumference.

For ring type joint valves – Gaskets of correct type and material quoted in the specification should be fitted.

- 4.2.1 Assemble gaskets by inserting between the valve and pipe flange face in the grooves provided. Tighten clamping studs to the required torque as outlined in 4.1.1 above.

For Seaboard Lloyd, Clamplok, Techlok, Graylock type end: pipe connectors that consist of:-

- a) metal/metal internal seal ring
- b) 2 clamp halves
- c) 4 stud bolts and nuts

- 4.3.1 Assemble seal ring into valve end face bore, offer up pipe flange to seal ring, secure with top and bottom clamp halves over hub ends, insert and tighten stud bolts – opposite corners – to ensure even clamping using the predetermined torque value.

- 5.0 To ensure that the valve/pipe flange mating faces are correctly sealed, line pressure tests are to be carried out according to the valve size, pressure class and the service conditions of the line.
- 5.1 Direction of testing pressure is to be observed in relation to whether valve disk should be open or closed position upstream or downstream flow.