

**PENTAIR
HYGIENIC PROCESS VALVES
(FORMERLY KEYSTONE)**

F262 SEAT & SEAL REPLACEMENT INSTRUCTIONS

PENTAIR HYGIENIC PROCESS VALVES (Formerly Keystone)

F262 HYGIENIC BALL VALVES

Seat & seal replacement instructions for F262 stainless steel ball valve.

DISASSEMBLY INSTRUCTIONS

1. Loosen pipe couplings, separate pipe ends and remove valve as a complete unit. Remove coupling seals.
2. Remove handle screw (15), with spring washer (14), cup washer (13) and handle (12).
3. Remove gland retaining screws (11), and remove gland (10).
4. Remove body screws (5) and Nyloc nuts (6) where fitted.
5. Separate body halves (1). Remove ball (3) and stem (8) as one unit. Take extreme care not to scratch or in any way damage the ball surface. Separate the stem from the ball.
6. Remove the old stem seal (7) and gland packing (9).
7. Remove old body seal (4).
8. Remove old seats (2). On sizes DN 65 to DN 100 the seats are retained by wire clips. To remove the seats, use a Stanley Knife or similar to cut through the seat rings. Remove clips for reuse

seat clips are supplied loose for fitting after welding into line, to allow seat removal during the welding process.

3. Fit new body seal (4).
4. Fit new stem seal (7) and gland packing (9) to stem (8). Fit stem DD drive end to ball (3), use a soft hammer if necessary **IMPORTANT:** Take care not to damage or scratch the ball surface in any way. If the ball has been damaged it will need to be replaced otherwise leakage will occur.
5. Insert stem and ball between body halves (1). Ensure the stem seal matches up with the recess in the body halves. Match up body halves **IMPORTANT:** Turn ball to closed position. Fit and lightly tighten body screws (5) and Nyloc nuts (6) where fitted.
6. Fit gland (10) and gland retaining screws (11). Lightly tighten the gland retaining screws.
7. Fit handle (12), cup washer (13) and spring washer (14). The stem (8) is marked on top of the drive square to indicate open or closed position. Make sure the handle is fitted in line with the marking. Fit and tighten the handle screw (15) to torque setting given in the table below.
8. Cycle the valve several times. Leave the valve in the closed position. Torque the body halves and gland retaining screws up to recommended torque setting.
9. Insert coupling seals, separate the pipe couplings and insert the valve into the line, ensuring the seals are not moved or the body spigots damaged.
10. Line the valve up before releasing the pipe ends onto the coupling seals. Tighten the pipe coupling as required.
11. Inspect for leakage at plant start up.

ASSEMBLY INSTRUCTIONS

Ensure all parts are genuine Pentair parts, are clean and in good condition. Lubricate ball, seat rings, stem seal, gland packing, stem and gland with food grade (FDA approved) lubricant. (e.g. Vinolco W190)

NOTE: For powder applications assembly DRY DO NOT USE GREASE!

1. On sizes DN 65 to DN 100, clean wire seat clip and clip groove. Insert clip into groove.
2. Insert seat rings (2) by pushing the ring into the seat recess and over the clip where fitted. Use hands only, as any tools may damage the seat rings.

NOTE: On butt weld end connection valves,

SAFETY PRECAUTIONS

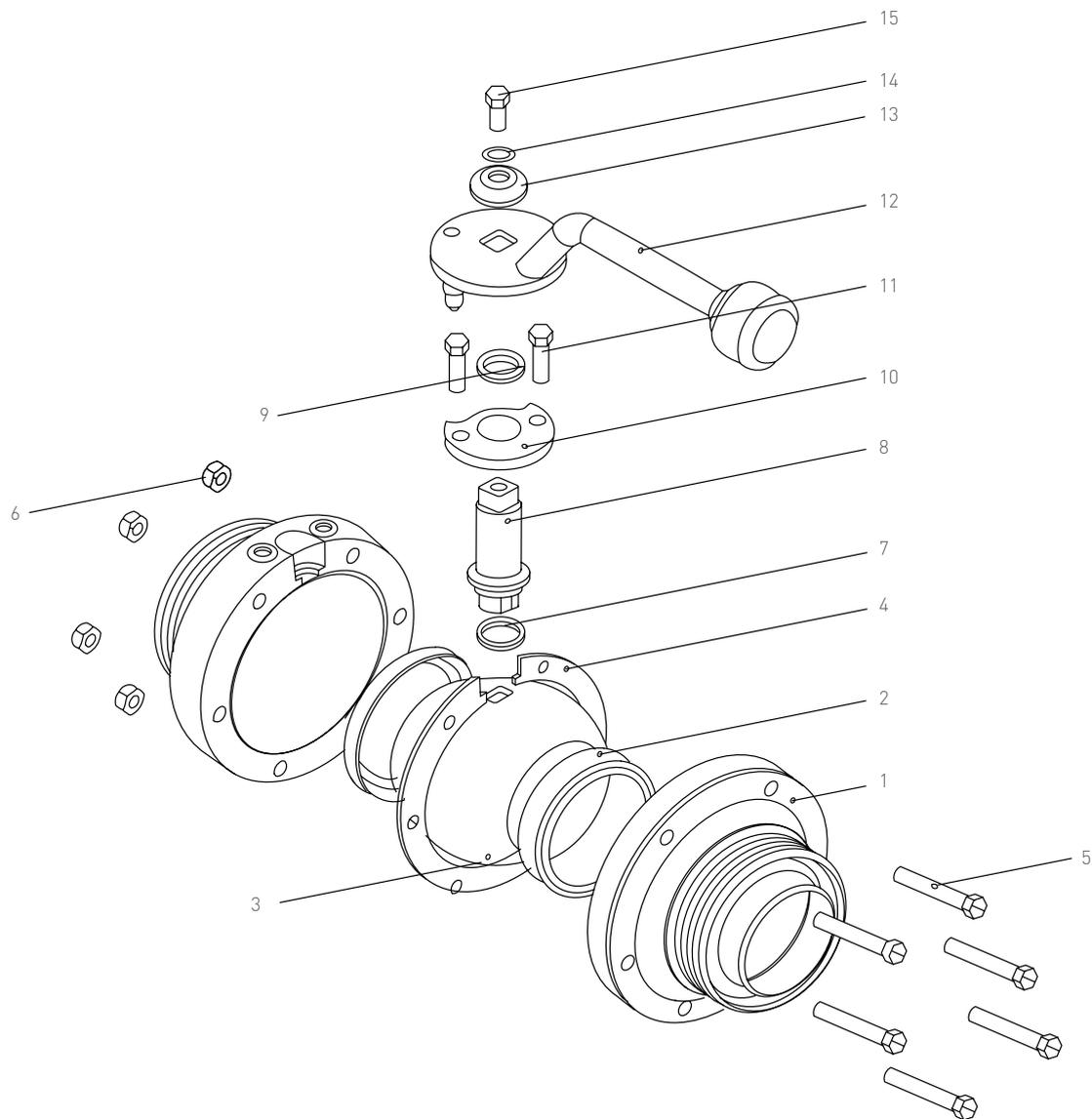


Caution!

This symbol indicates important messages and safety instructions. Whenever a valve is being installed or removed from a pipeline ensure that the pipeline is relieved of all pressure, and media is evacuated cycle valve to relieve cavity areas.

PENTAIR HYGIENIC BALL VALVES

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TORQUE VALVES

Valve size (DN)	Body screw	Gland retaining screw	Handle screw
25	15	9	13
40	15	9	13
50	15	9	13
65	20	14	19
80	20	14	19
100	22	14	19



PENTAIR FLOW CONTROL PACIFIC PTY LTD

12-14 KAIMIRO STREET, PUKETE INDUSTRIAL ESTATE, HAMILTON, 3200, NEW ZEALAND PACIFICNZHYGIENICSALES@PENTAIR.COM WWW.PENTAIR.COM

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