

Model Z3000, ZW4000 & ZW5000 Series



For 2 1/2" Pressure Reducing Valves

□ Repair Parts

ATTENTION: Since the Pressure-Tru™ Valve is an automatic valve, it is imperative to make sure that the system is free of rocks and debris. This can be ensured by flushing the system. Upon completion of valve installation and testing, it is important that it be filled slowly to prevent water hammer. It is recommended that a flow test be run periodically to allow the Pressure-Tru™ Valve to open and reset itself.

RK212-FV Repair kit for Z3000, ZW4000 & ZW5000

APPLICATION: Repair parts for the Z3000, ZW4000 & ZW5000 series pressure reducing valves.

NOTE: Since the repair kit services the Z3000, ZW4000 & ZW5000 series valves you will have unused O-rings when servicing a valve.

Repair Instructions **To repair a Z3000 series valve.**

WARNING: Depressurize system and drain riser to below the valve level before attempting repair.
Open handwheel stem. Remove handwheel assembly by turning the large nut below the handwheel tailpiece. Measure setting nut from end of stem. Unscrew spring adjusting nut. Unscrew bell from body flange. Unscrew flange from body. Disassemble main stem assembly. Clamp main stem on raised area above the piston to remove seal ring bolt, all other areas are o-ring sealing surfaces. Clean all sealing surfaces. Replace o-rings and seal ring. Grease all o-rings and reassemble valve. Set spring adjustment nut to previous setting. (Pliers can be used to pull end of stem upward through spring to start nut.)

To repair a ZW4000 series valve.

WARNING: Depressurize system and drain riser to below the valve level before attempting repair.
Open handwheel stem. Remove handwheel screw and handwheel. Remove integral supervisory switch bracket if attached. Remove packing nut. Unscrew bell from body flange. Unscrew flange from body. The small area above the piston on the main stem can be clamped in a vise to unscrew seal ring bolt. Clean all sealing surfaces. Replace o-rings and seal ring. Grease all o-rings and reassemble valve. Re adjust supervisory switch if removed.

To repair a ZW5000 series valve.

WARNING: Depressurize system and drain riser to below the valve level before attempting repair.
Open handwheel stem. If applicable, remove tamper shield screws and drop tamper shield down to access adjusting nut. Note setting of adjustment nut. Using supplied adjusting rod, screwdriver, or similar tool, unthread adjusting nut to relieve spring force. Remove handwheel assembly by turning the large nut below the handwheel tailpiece. Finish unthreading adjusting nut and remove from stem along with metal and plastic washer. Remove spring. Unscrew bell from body flange. Unscrew flange from body. Clamp main stem on area above adjustment threads where adjustment markings are. Remove seal ring bolt and disassemble plunger assembly. Disassemble main stem assembly. Clean all sealing surfaces. Replace o-rings and seal ring. Grease all o-rings and reassemble valve. Set adjustment nut to the previous setting. Reinstall tamper shield

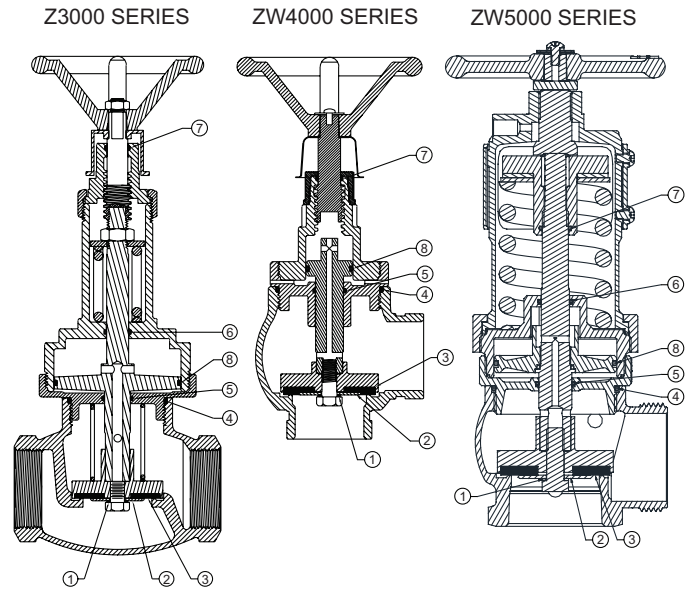
Additional Requirements:

Installation:

Proper installation of these valves shall be in accordance with NFPA 13 and/or NFPA 14, whichever is applicable.

Inspection, Testing & Maintenance:

Proper inspection, testing and maintenance of these valves shall be in accordance with NFPA 25.



ITEM	PART NUMBER	DESCRIPTION
1	508C-12	WASHER, DELRIN, SEAT RETAINER BOLT
2	508-14	WASHER, RETAINER, STAINLESS STEEL
3	1007-12	WASHER, SEAT, EPDM RUBBER
4	237N (3-3/8" ID)	O-RING, FLANGE/BODY
5	4119N (15/16" ID)	QUAD RING, MAIN STEM, LOWER
6	4117N (13/16" ID)	QUAD RING, MAIN STEM, UPPER
7	116N (3/4" ID)	O-RING, HANDWHEEL STEM
8	245N 4-3/8" ID)	O-RING, Z3000 SERIES PISTON
8	237N (3-3/8" ID)	O-RING, ZW4000 PISTON, TYPE N
8	236N (3-1/4" ID)	O-RING, ZW5000 SERIES PISTON
8	235N (3-1/8" ID)	O-RING, ZW4000 PISTON, TYPE O
8	232N (2- 3/4" ID)	O-RING, ZW4000 PISTON, TYPE P
8	230N (2-1/2" ID)	O-RING, ZW4000 PISTON, TYPE Q
8	228N (2-1/4" ID)	O-RING, ZW4000 PISTON, TYPE R
8	226N (2" ID)	O-RING, ZW4000 PISTON, TYPE S
8	223N (1-5/8" ID)	O-RING, ZW4000 PISTON, TYPE T
8	220N (1-3/8" ID)	O-RING, ZW4000 PISTON, TYPE U

WARRANTY: ZURN WILKINS Valves are guaranteed against defects of material or workmanship when used for the services recommended. If in any recommended service, a defect develops due to material or workmanship, and the device is returned, freight prepaid, to ZURN WILKINS within 12 months from date of purchase, it will be repaired or replaced free of charge. ZURN WILKINS' liability shall be limited to our agreement to repair or replace the valve only.

WARNING: This product is NOT Lead Free in accordance with U.S. Federal Law and is illegal in the U.S. for use in potable services or to install in water systems anticipated for human consumption.

⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov
 ⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov
 ⚠ **AVERTISSEMENT:** Cancer et néfastes sur la reproduction - www.P65Warnings.ca.gov

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