

VP525, VP527, and VP531C Valve Rebuild Kits

INSTALLATION INSTRUCTIONS

BEFORE INSTALLATION

This kit replaces all valve components except the valve body. Alternate actuator springs are included if an alternate spring range is required. To rebuild the valve, system shut down is required. Use Table 1 to verify that the appropriate kit has been selected:

Table 1. Valve Rebuild Kit Reference Table.

Valve Rebuild Kit	Valve				Actuator			
					Installed	Spring	Alternate	Springs
Part Number	Model	Connection	Cv	Removable Seat?	Range (psi)	Color Code	Range (psi)	Color Code
14003115-001	VO501 VP501 VP525	1/2 NPT	2.0 or less	Yes	3-10	Orange	2-5 8-11	Green Yellow
14003116-001	VO501 VP501 VP525	3/4 NPT	2.0 or less	Yes	3-10	Orange	2-5	Green
14003117-001	VO501 VP501 VP525	3/4 NPT	3.0	Yes	3-10	Orange	2-5	Green
14003118-001	VO501 VP501 VP525	3/4 NPT	5.0	Yes	3-10	Orange	2-5	Green
14003119-001	VO501 VP501 VP525	1/2 NPT	3.0	No	3-10	Orange	2-5 8-11	Green Yellow
14003299-001	VP525A	5/8 O.D. Solder	1.6	No	3-10	Orange	2-5 8-11	Green Yellow
14003300-001	VP525A	7/8 O.D. Solder	2.5	No	3-10	Orange	2-5 8-11	Green Yellow
14003475-001	VP527A	1/2 NPT	0.4 or 0.63	No	3-10	Orange	2-5 8-11	Green Yellow
14003476-001	VP527A	1/2 NPT	1.0 or 1.6	No	3-10	Orange	2-5 8-11	Green Yellow
14004897-001	VP525C	1/2 NPT	0.63	Yes	3-10	Orange	2-5	Green
14004897-002	VP525C	1/2 NPT	2.0	Yes	3-10	Orange	2-5	Green
14004897-003	VP525C	3/4 NPT	3.0	Yes	3-10	Orange	2-5	Green
14004897-004	VP525C	3/4 NPT	5.0	Yes	3-10	Orange	2-5	Green
14004898-001	VP531C	1/2 NPT or 5/8 O.D. Solder	1.6	No	2-5	Green	3-10	Orange
14004898-002	VP531C	3/4 NPT or 7/8 O.D. Solder	2.6	No	2-5	Green	3-10	Orange
14004898-003	VP531C	3/4 NPT or 7/8 O.D. Solder	3.3	No	2-5	Green	3-10	Orange

INSTALLATION

Disassembly

- 1 Relieve steam or water pressure to valve.
- 2 Relieve air pressure to actuator.
- 3 Disconnect air tubing from actuator.
- 4 Unscrew bonnet nut and remove bonnet.
- 5 Remove Seat (VP525 only) using a socket wrench.

Reassembly

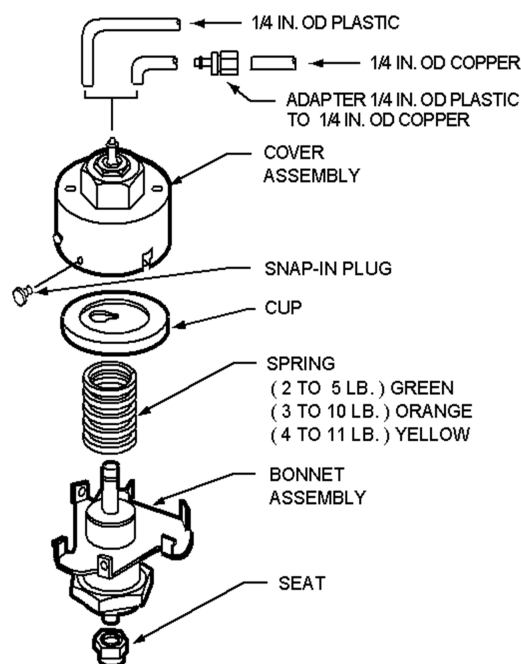
- 1 Replace seat if required (see Table 1).
- 2 Replace valve bonnet.
- 3 If required, replace actuator spring with an alternate:

- Remove Screw (or Retainer Pin) on side of actuator cover. Turn Cover counter-clockwise to remove from bayonet type mount.
- Disengage spring retainer cap from stem and remove along with spring.
- Select one of the alternate springs from Table 2:

Table 2. Alternate Springs.

Spring Range psi (kPa)	Color Code
2-5 (14-34)	Green
3-10 (21-69)	Orange
8-11 (55-75)	Yellow

- Install spring and spring retainer on stem.
 - Replace actuator cover and install screw (or Retainer Pin).
- 4 Reconnect tubing. If required, use short length of 1/4 in. O.D. plastic tubing and adapter, provided in kit, to adapt to 1/4 inch copper tubing.
 - 5 Restore air pressure to actuator.
 - 6 Restore steam or water to valve.



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