

Subject: LegendPress™ valves and fittings - Press O-ring identification and information.

This memo addresses specific differences between the O-rings used in the various LegendPress product families, as well as any other comparative assembly or identification information.


All LegendPress valves and fittings include O-rings that perform the function of sealing the valve or fitting onto the copper tubing after proper pressing installation. LegendPress O-rings are **not** interchangeable among the various product families. Replacements should only be used as noted below where available. See below in each product group section for more specific information about the O-ring and/or LegendPress assembly information.

LegendPress Common Features

- Press-to-connect end connections are designed for installation onto ASTM B88 types K, L and M hard-drawn copper tubing. See insertion depth chart below.
- All LegendPress products ½" - 2" have a VUS jaw profile and are compatible with any tool that uses VUS jaws.
- All LegendPress products 2 ½" - 4" have a XL-C jaw profile and are compatible with any tool that uses XL-C jaws.
- Always maintain the minimum distance between press joints. (See Copper Press Fittings IOM)
- Replacement O-rings may be available (sold individually).


(P-200) Deeper tubing sockets and dual O-rings at each press connection, provide extra stability during the pressing process as well as enhanced sealing for the 1/2" through 2" valves.

P-200 LegendPress™ Valves



Size	Replacement O-rings	Insertion Depth	Jaw Profile	Leak before press pressure
1/2"	900-503	1-3/8"	VUS	N/A
3/4"	900-504	1-9/16"	VUS	N/A
1"	900-505	1-9/16"	VUS	N/A
1-1/4"	900-506	1-9/16"	VUS	N/A
1-1/2"	900-507	1-3/4"	VUS	N/A
2"	900-508	2-3/16"	VUS	N/A
2-1/2"	900-325	2-3/16"	XL-C	N/A
3"	900-326	2-1/4"	XL-C	N/A
4"	900-327	2-3/8"	XL-C	N/A

P-201 LegendPress™ Valves



Size	Replacement O-rings	Insertion Depth	Jaw Profile	Leak before press pressure	
				(Air)	(Water)
1/2"	900-513	7/8"	VUS	1-15 psi	10-50 psi
3/4"	900-514	1"	VUS	1-15 psi	10-50 psi
1"	900-515	1"	VUS	1-15 psi	10-50 psi
1-1/4"	900-516	1-1/16"	VUS	1-15 psi	10-50 psi
1-1/2"	900-517	1-3/8"	VUS	1-15 psi	10-50 psi
2"	900-518	1-9/16"	VUS	1-15 psi	10-50 psi



P-201 O-ring

If you have any questions regarding this topic or any Legend Valve products, please feel free to contact the Legend Technical Department at (800) 752-2082.

LegendPress Fittings

- Wrot Fittings in nominal sizes 1/2" to 4" feature a molded recess (Leak-Before-Press) in the O-rings, which when unpressed, create leak paths at multiple points during the pressure test, to quickly identify an unpressed joint.

Wrot Copper Fittings (Elbows, Caps, Tees, Couplings & Adapters)



Size	Replacement O-rings	Insertion Depth	Jaw Profile	Leak before press pressure (Air) (Water)	
1/2"	450-991P	3/4"	VUS	1-15 psi	10-50 psi
3/4"	450-992P	15/16"	VUS	1-15 psi	10-50 psi
1"	450-993P	15/16"	VUS	1-15 psi	10-50 psi
1-1/4"	450-994P	1"	VUS	1-15 psi	10-50 psi
1-1/2"	450-995P	1-7/16"	VUS	1-15 psi	10-50 psi
2"	450-996P	1-5/8"	VUS	1-15 psi	10-50 psi
2-1/2"	450-997P	1-3/4"	XL-C	1-15 psi	10-50 psi
3"	450-998P	2"	XL-C	1-15 psi	10-50 psi
4"	450-999P	2-1/4"	XL-C	1-15 psi	10-50 psi



Brass Fittings, Unions, & Wrot Copper

P-451NL Check Valve



Size	Replacement O-rings	Insertion Depth	Jaw Profile	Leak before press pressure
1/2"	N/A	3/4"	VUS	N/A
3/4"	N/A	15/16"	VUS	N/A
1"	N/A	15/16"	VUS	N/A
1-1/4"	N/A	1"	VUS	N/A
1-1/2"	N/A	1-3/8"	VUS	N/A
2"	N/A	1-9/16"	VUS	N/A



Forged Brass Press Fittings & Unions

Size	Replacement O-rings	Insertion Depth	Jaw Profile	Leak before press pressure (Air) (Water)	
1/2"	450-843P	7/8"	VUS	1-15 psi	10-50 psi
3/4"	450-844P	1"	VUS	1-15 psi	10-50 psi
1"	450-845P	1"	VUS	1-15 psi	10-50 psi
1-1/4"	450-846P	1-1/8"	VUS	1-15 psi	10-50 psi
1-1/2"	450-847P	1-3/8"	VUS	1-15 psi	10-50 psi
2"	450-848P	1-9/16"	VUS	1-15 psi	10-50 psi