

## SUBMITTAL SHEET

|                   |             |
|-------------------|-------------|
| JOB NAME          | ITEM TAG    |
| JOB LOCATION      | PART NUMBER |
| CONTRACTOR        | DATE        |
| ENGINEER APPROVAL | DATE        |

# NO LEAD BRASS IN-LINE CHECK VALVE

## P-450NL

Large, integral seat and disc-sealing surfaces assure positive closure.  
EPDM seat for quiet operation.

1 pound cracking pressure.

Can be installed in vertical and horizontal positions.

Manufactured for installation into ASTM B88 types K, L, and M hard-drawn copper tubing.

Coiled (annealed) soft copper is not recommended.

VUS-pattern press-to-connect tubing sockets.

Available in nominal tubing sizes 1/2" to 2".

### Working Pressure, Non Shock (PSI)

|                              |                                |
|------------------------------|--------------------------------|
| Cold working pressure (CWP): | 200 psi                        |
| Saturated steam (WSP):       | Not suitable for steam service |
| Maximum service temperature: | 250 °F                         |



**Pictured:**  
P-450NL

### MATERIAL SPECIFICATION

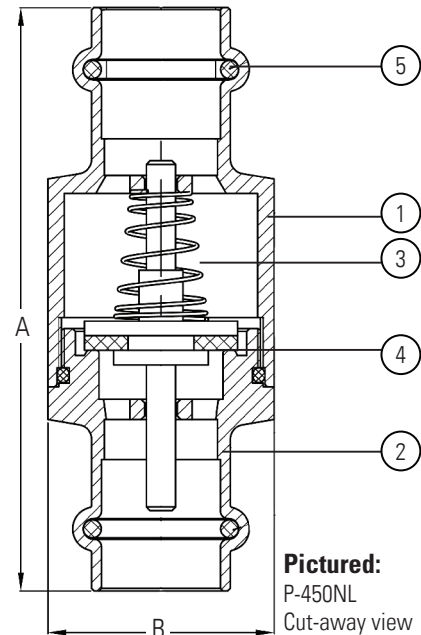
| PART              | MATERIAL        | SPECIFICATION    |
|-------------------|-----------------|------------------|
| 1 Body            | Lead-free brass | UNS alloy C46500 |
| 2 Piston assembly | Lead-free brass | UNS alloy C46500 |
| 3 Spring          | Stainless steel | AISI 304         |
| 4 Seat            | EPDM            | Commercial grade |
| 5 Press O-ring    | EPDM            | Commercial grade |

### DIMENSIONS - Inch

| Size   | A    | B    |
|--------|------|------|
| 1/2"   | 3.15 | 1.22 |
| 3/4"   | 3.20 | 1.5  |
| 1"     | 3.39 | 1.77 |
| 1-1/4" | 3.70 | 2.28 |
| 1-1/2" | 4.69 | 2.62 |
| 2"     | 5.32 | 3.09 |

### TUBING INSERTION DEPTHS

| Nominal Tubing Size | 1/2" | 3/4" | 1"   | 1-1/4" | 1-1/2"  | 2"      |        |
|---------------------|------|------|------|--------|---------|---------|--------|
| Insertion depth     | In   | 3/4" | 7/8" | 7/8"   | 1-1/16" | 1-7/16" | 1-3/4" |
|                     | mm   | 19   | 22   | 22     | 27      | 36      | 44     |



**Pictured:**  
P-450NL  
Cut-away view

### Certifications/Listings:

Third party certified.  
NSF/ANSI 61: Drinking water system components - Health effects.  
NSF/ANSI 372: Drinking water system components - Lead content.

### Standards:

ANSI/ASME B16.51: Copper and copper alloy press-connect pressure fittings.