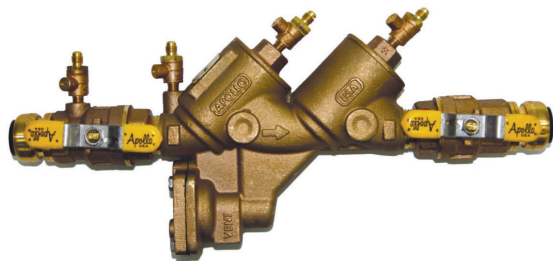


# RP4A & RPLF4A series

reduced pressure backflow preventers with push connections



|                  |  |
|------------------|--|
| Job Name:        |  |
| Job Location:    |  |
| Engineer:        |  |
| Contractor:      |  |
| Tag:             |  |
| PO#:             |  |
| Rep:             |  |
| Wholesale Dist.: |  |

## description

the "Apollo"® model RP4A & RPLF4A series lead free\* & non-lead free series reduced pressure backflow preventers with push end connections provide maximum protection against back-siphonage or backpressure from substances that are hazardous to the potable water supply. the top accessed modular check valve cartridges provide captured springs, replaceable seats and reversible silicone seat discs. this made in america assembly features ball valves with stainless steel handles and trim as standard and carries the five-year Apollo® factory warranty.

## features

- maximum protection against back-pressure/back-siphonage
- modular check valve cartridges w/ easily replaced parts
- reversible/removable chloramine-resistant silicone seat discs
- low head pressure loss
- top mounted test cocks
- threaded testcock protectors
- internal sensing passage
- modular captured spring relief valve
- lead free option
- standard with full port ball valves with stainless steel handles
- corrosion resistant
- 5 year warranty

## performance rating

- maximum working pressure: 175 PSIG
- operating temperature range: 33°F - 180°F

## approvals

- ASSE 1013-2011
- CSA b64.4
- NSF/ANSI 61 water quality
- NSF/ANSI 372 lead free
- federal public law 111-380
- AWWA C511
- approved by the foundation for cross-connection control and hydraulic research at the university of southern california
- horizontal installation approvals on 1/2" - 2"

## standard materials list

|                                |                               |
|--------------------------------|-------------------------------|
| <b>BODY, CAPS</b>              | Bronze (C84400/LF C89836)     |
| <b>BV SHUT-OFFS, TESTCOCKS</b> | Bronze (C84400/LF C87800)     |
| <b>SPRINGS</b>                 | 300 Series SS                 |
| <b>SEAT DISCS</b>              | Chloramine-Resistant Silicone |
| <b>DIAPHRAGM</b>               | Nitrile and Nylon             |
| <b>CHECK MODULES</b>           | Glass-Filled PPO              |
| <b>O-RINGS</b>                 | Chloramine-Resistant EPDM     |
| <b>BALL VALVE HANDLES</b>      | Stainless Steel               |

contact local water authorities for installation/service requirements.

## part number matrix

| 4A [X]             | 2 X                 | X          | X X                                  | X   |
|--------------------|---------------------|------------|--------------------------------------|---|
|                    | Y-STRAINER          | SIZE       | SHUT-OFF VALVES                      | OPTIONS (CAN BE COMBINED)                   |
| 4A - NON-LEAD FREE | 0 - STANDARD        | 3 - 1/2"   | A2 - W/BALL VALVES (STANDARD)        | F - SAE THREADED TEST COCKS (STANDARD 1/2") |
| 4ALF - LEAD FREE   | 1 - WITH Y-STRAINER | 4 - 3/4"   | A4 - W/UNION BALL VALVES (3/4" - 2") | L - LEVER HANDLE (3/4" & 1" ONLY)           |
|                    | (SHIPPED LOOSE)     | 5 - 1"     |                                      | LL - LOCKING LEVER HANDLES                  |
|                    |                     | 6 - 1-1/4" |                                      | P - PUSH CONNECTION (FACTORY INSTALLED)     |
|                    |                     | 7 - 1-1/2" |                                      |   |
|                    |                     | 8 - 2"     |                                      |   |

EXAMPLE: 4A 215 A4LL = 1" Reduced Pressure Backflow Preventer with strainer, union ball valves and locking lever handles

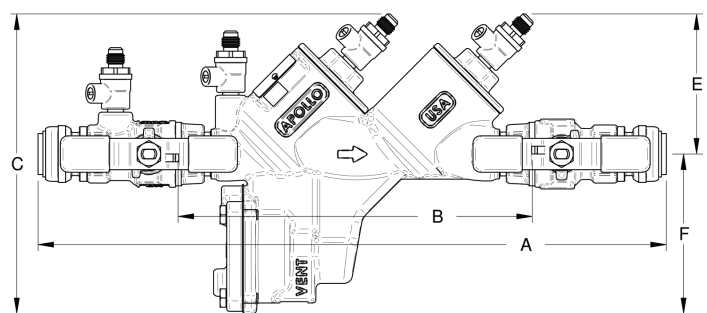
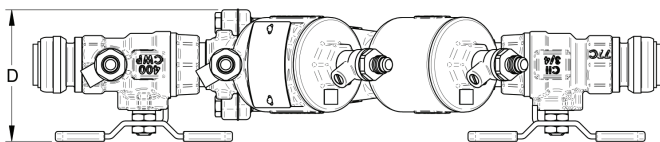
\*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law 111-380. ANSI 3rd party approved and listed.

# RP4A & RPLF4A series

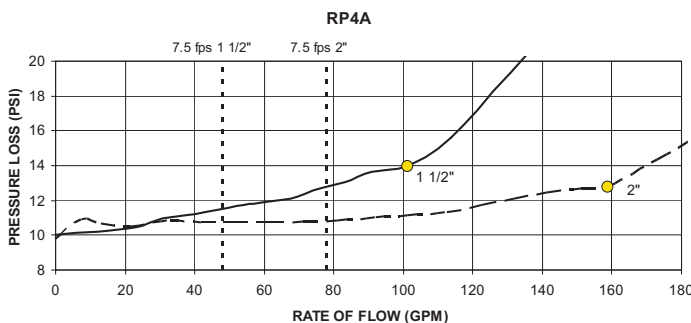
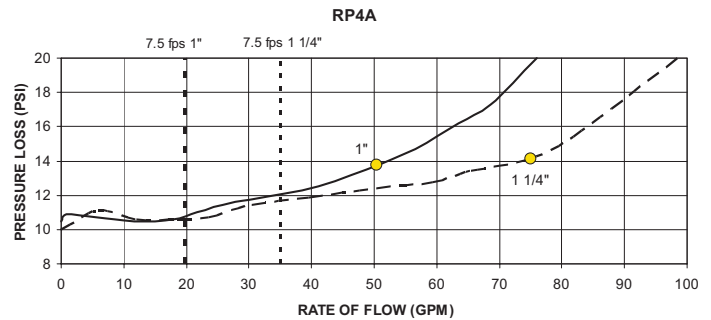
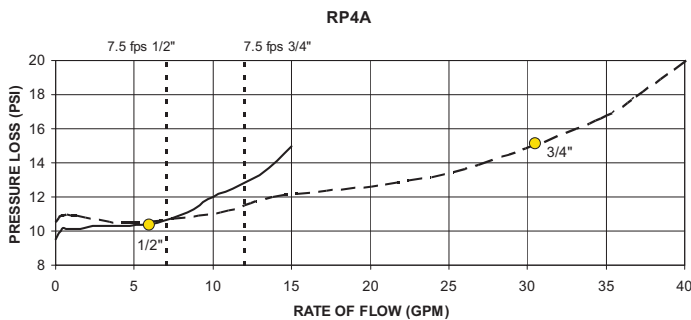
reduced pressure backflow preventers with push connections

## dimensions

| MODEL NO.<br>PART NO.<br>SIZE | RP4A12<br>4A 203<br>A2F<br>1/2" | RP4A12<br>4A 203<br>A2F<br>15 MM | RP4A34<br>4A 204<br>A2F<br>3/4" | RP4A34<br>4A 204<br>A2F<br>20 MM | RP4A1<br>4A 205<br>A2F<br>1" | RP4A1<br>4A 205<br>A2F<br>25MM | RP4A114<br>4A 206<br>A2F<br>1-1/4" | RP4A114<br>4A 206<br>A2F<br>32 MM | RP4A112<br>4A 207<br>A2F<br>1-1/2" | RP4A112<br>4A 207<br>A2F<br>40 MM | RP4A2<br>4A 208<br>A2F<br>2" | RP4A2<br>4A 208<br>A2F<br>50 MM |
|-------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|------------------------------|--------------------------------|------------------------------------|-----------------------------------|------------------------------------|-----------------------------------|------------------------------|---------------------------------|
| A*                            | 10-7/8                          | 276                              | 12-5/8                          | 321                              | 14-5/8                       | 371                            | 17-1/2                             | 445                               | 18                                 | 457                               | 20-1/8                       | 511                             |
| B                             | 7-3/8                           | 187                              | 8-1/2                           | 216                              | 9-1/2                        | 241                            | 11-3/4                             | 298                               | 11-5/8                             | 295                               | 12-3/4                       | 324                             |
| C                             | 7-1/8                           | 181                              | 7-3/8                           | 187                              | 8                            | 203                            | 9-7/8                              | 251                               | 9-7/8                              | 251                               | 11                           | 279                             |
| D                             | 2-7/8                           | 73                               | 3-1/8                           | 79                               | 3-1/4                        | 83                             | 5-1/8                              | 130                               | 5-1/8                              | 130                               | 5-7/8                        | 149                             |
| E                             | 3-1/4                           | 83                               | 3-1/2                           | 89                               | 4                            | 100                            | 4-1/2                              | 114                               | 4-1/2                              | 114                               | 5                            | 127                             |
| F                             | 3-7/8                           | 98                               | 3-7/8                           | 98                               | 4                            | 100                            | 5-3/8                              | 137                               | 5-3/8                              | 137                               | 6                            | 150                             |
| <b>WEIGHTS</b>                | <b>LB.</b>                      | <b>KG.</b>                       | <b>LB.</b>                      | <b>KG.</b>                       | <b>LB.</b>                   | <b>KG.</b>                     | <b>LB.</b>                         | <b>KG.</b>                        | <b>LB.</b>                         | <b>KG.</b>                        | <b>LB.</b>                   | <b>KG.</b>                      |
| Net Wt.                       | 6.9                             | 3.1                              | 8.2                             | 3.7                              | 11.7                         | 5.3                            | 13.6                               | 6.2                               | 17.4                               | 7.9                               | 24.5                         | 11.1                            |



## flow curves



Curves developed from independent approval agencies actual tests – consult factory for details.

● Indicates rated flow as determined by approval agencies, 7.5 ft/sec is the typical maximum plumbing system flow rate.