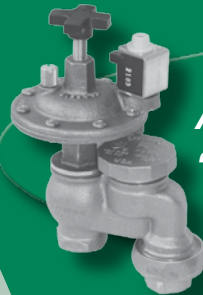


Champion Irrigation Products



For over 70 years, Champion has been an irrigation supplier to professional wholesalers and distributors. Champion's goal is to provide the highest quality products and service at the greatest value to our customers measured by our mutual profitability and continued SUCCESS!

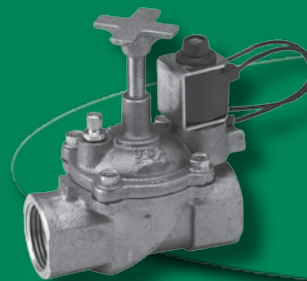
***New Products...
Look Inside!***



***Automatic Anti-Siphon Valves
"Protects Drinking Water"***



***Quick Coupler Valves,
Keys and Swivels***



***Brass & Plastic
Automatic
Inline Valve***



***Pop-Up Spray Heads
& Gear Drive Rotors***

Reliable - Proven - Trusted - Since 1937

New Products

Champion Irrigation
Garantia
3 Year Limited
Warranty
Products

NEW

Arrow-Breaker®

Arrow-Breaker® No-Kink Hose Bibbs feature an integral (built-in) vacuum breaker to protect your drinking water. Listed with the City of Los Angeles, IAPMO and ASSE-1011 listed. At an additional charge, specify LK for Loose Key Lockshield.

No-Kink - 3/4" Hose Thread ARROW-BREAKER®

| Models | Description | CTN QTY | LBS/CTN |
|--------|---------------------------|---------|---------|
| 261 | 1/2" MIP | 12 | 7.1 |
| 361 | 3/4" MIP | 12 | 7.2 |
| 262CC | 1/2" or 3/4" Copper Sweat | 12 | 7.1 |
| 264CC | 1/2" Copper Compression | 12 | 7.1 |
| 263 | 1/2" FIP | 12 | 6.2 |
| 363 | 3/4" FIP | 12 | 6.6 |

Sillcock - 3/4" Hose Thread ARROW-BREAKER®

| Models | Description | CTN QTY | LBS/CTN |
|--------|-------------------|---------|---------|
| 265 | 1/2" FIP | 6 | 3.9 |
| 365 | 3/4" FIP | 6 | 4.1 |
| 265SW | 1/2" Copper Sweat | 6 | 4.1 |
| 365SW | 3/4" Copper Sweat | 6 | 4.3 |
| 269 | PEX Connection | 6 | 4.1 |



510



520

NEW

Pressure Reducing Valves

Champion-Arrowhead Brass pressure reducing valve reduces excessive incoming water pressure to appropriate, safe levels. ASSE-1003, CSA-B356, ANSI/NSF 61-8.

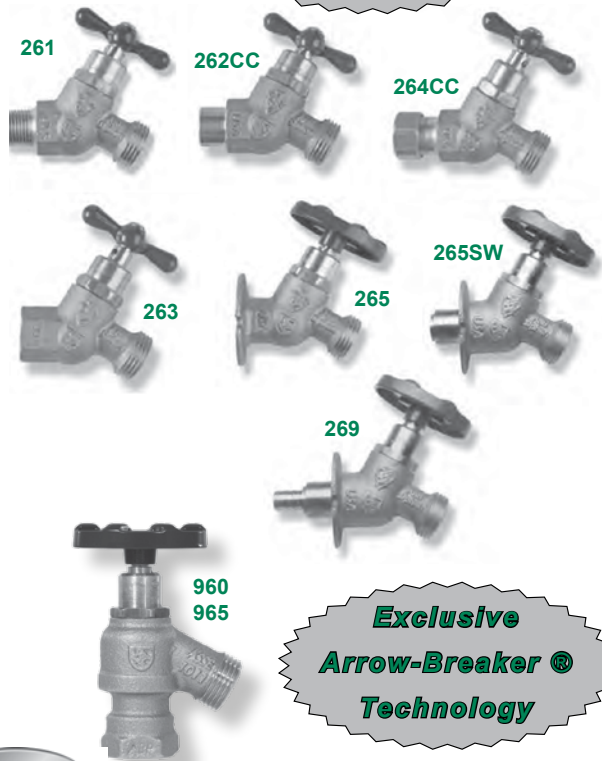
Single Union PRV

| Models | Description | CTN QTY | LBS/CTN |
|--------|-----------------------|---------|---------|
| 510 | Compact with Tap 1/2" | 1 | 2.4 |
| 511 | Compact with Tap 3/4" | 1 | 2.4 |
| 512 | Compact with Tap 1" | 1 | 3.6 |

Double Union PRV

| Models | Description | CTN QTY | LBS/CTN |
|--------|-----------------------|---------|---------|
| 520 | Compact with Tap 1/2" | 1 | 2.9 |
| 521 | Compact with Tap 3/4" | 1 | 2.9 |
| 522 | Compact with Tap 1" | 1 | 4.0 |

**Exclusive
Arrow-Breaker®
Technology**



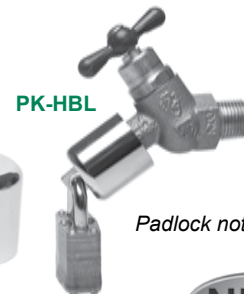
**Exclusive
Arrow-Breaker®
Technology**

NEW

Arrow-Breaker® Garden Valves

Garden Valves with built-in vacuum breaker to protect your drinking water. In addition, Arrow-Breaker® Garden Valve 965 has nested threads for either 1/2" FIP or 3/4" FIP, one part can accommodate 2 sizes.

| Models | Description | CTN QTY |
|--------|----------------------|---------|
| 960 | 1" FIP | 6 |
| 965 | 1/2" FIP or 3/4" FIP | 6 |



PK-HBL

Padlock not included.

Hose Bibb Lock

NEW

Designed to prevent water theft and vandalism to hose bibbs. It also stops leaky hose bibbs. Even if the bibb is fully opened, water will not flow unless you remove the hose bibb lock.

| Models | Description | CTN QTY |
|--------|----------------|---------|
| PK-HBL | Hose Bibb Lock | 6 |



More New Products

NEW

Ball Valve Hose Bibbs

Champion-Arrowhead has ADA (American Disabilities Act) Ball Valve Hose Bibbs with coated handles, quarter-turn and bi-directional operation.

No-Kink Ball Valve Hose Bibb

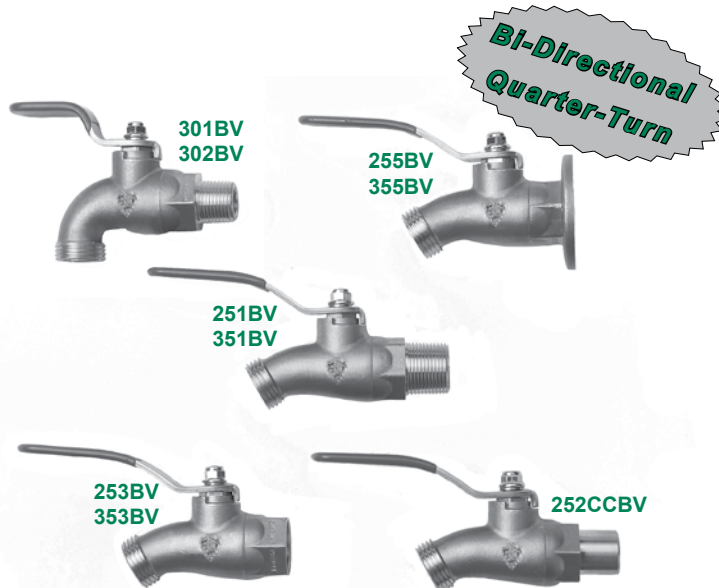
| Models | Description | CTN QTY | LBS/CTN |
|---------|-------------------|---------|---------|
| 251BV | 1/2" MIP | 1 | 0.7 |
| 351BV | 3/4" MIP | 1 | 0.7 |
| 253BV | 1/2" FIP | 1 | 0.6 |
| 353BV | 3/4" FIP | 1 | 0.6 |
| 252CCBV | 1/2" Copper Sweat | 1 | 0.7 |

Sillcock Ball Valve Hose Bibb

| Models | Description | CTN QTY | LBS/CTN |
|--------|-------------|---------|---------|
| 255BV | 1/2" FIP | 1 | 0.6 |
| 355BV | 3/4" FIP | 1 | 0.6 |

Standard Ball Valve Hose Bibb

| Models | Description | CTN QTY | LBS/CTN |
|--------|-------------|---------|---------|
| 301BV | 1/2" MIP | 1 | 0.6 |
| 302BV | 3/4" MIP | 1 | 0.6 |



Hearthlight Log Lighter Kits

NEW

The Champion-Arrowhead HearthLIGHT log lighter kits come with our Log Lighter Valve with Adjustable Chrome Plated Flange, 2-1/4" Loose Key, and our 12" Heavy Duty Cast Iron Log Lighter Bar with ledged design to eliminate falling ashes from blocking the orifices. Each bar has three 1/2" I.P.S. inlets to fit most applications. CSA listed in the U.S. and Canada. IAPMO listed. Great for outdoor fire pits and indoor fireplaces.

Gas Log Lighter Kits - Natural Gas Only

| Models | Description | CTN QTY | LBS/CTN |
|--------|---------------------------------|---------|---------|
| 258K | 1/2" FIP Straight Pattern Valve | 1 | 3.9 |
| 259K | 1/2" FIP Angle Pattern Valve | 1 | 3.9 |

Gas Log Lighter Kits - Propane Only

| Models | Description | CTN QTY | LBS/CTN |
|--------|---------------------------------|---------|---------|
| 258KLP | 1/2" FIP Straight Pattern Valve | 1 | 4.1 |
| 259KLP | 1/2" FIP Angle Pattern Valve | 1 | 4.1 |

Now Available
for Propane

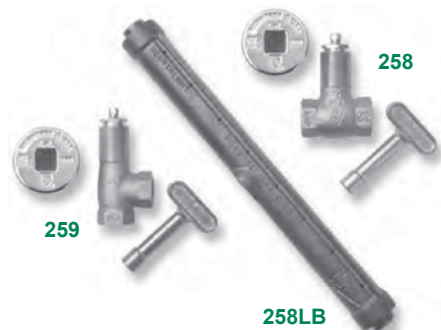
NEW

Gas Log Lighter Valves

All Champion-Arrowhead Log Lighter Valves come with Adjustable Chrome Plated Flange, 2-1/4" Loose Key, with Rough Brass Body. CSA listed in the U.S. and Canada. IAPMO listed.

Gas Log Lighter Parts

| Models | Description | CTN QTY | LBS/CTN |
|--------|--|---------|---------|
| 258 | 1/2" FIP Straight Valve with Chrome Flange & Key - Natural Gas | 6 | 7.2 |
| 258LP | 1/2" FIP Straight Valve with Chrome Flange & Key - Propane | 6 | 7.4 |
| 259 | 1/2" FIP Angle Valve with Chrome Flange & Key - Natural Gas | 6 | 7.2 |
| 259LP | 1/2" FIP Angle Valve with Chrome Flange & Key - Propane | 6 | 7.4 |
| 258LLB | Log Lighter Bar | 1 | 2.7 |
| 44PB | Polished Brass Flange | 1 | 0.2 |
| 51PB | Polished Brass Log Lighter Key | 1 | 0.13 |



More New Products



NEW

Quick Coupler Valves, Keys & Swivels

Features

- Reclaimed water valves available
- Keys are interchangeable with most manufacturers coupler valves
- Swivels allows hose to easily attach to quick coupler
- Swivel rotates 360 degrees
- Red brass construction
- Smooth key operation
- Full flow performance

Operating Specifications

- 3/4" or 1" NPT inlet threads
- Flow range: 10-70 GPM
- Operating pressure: 5-125 PSI



QCS-3



QCV-100V



CK-100

Quick Coupler Valve (QCV) - 3/4"

| <i>Lug</i> | <i>Body</i> | <i>Cover</i> | <i>Part No.</i> | <i>Corresponding Key</i> | <i>Corresponding Repair Kit</i> | <i>Corresponding Swivel</i> |
|------------|-------------|--------------|-----------------|--------------------------|---------------------------------|-----------------------------|
| Single | 1-piece | Locking | QCV-075VL | CK-075 | RK-075 | QCS-1 |
| | | Non-Locking | QCV-075V | | | |
| Double | 2-piece | Locking | QCV-075VL2 | CK2-075 | RK2-075 | |
| | | Non-Locking | QCV-075V2 | | | |

Quick Coupler Valve (QCV) - 1"

| <i>Lug</i> | <i>Body</i> | <i>Cover</i> | <i>Part No.</i> | <i>Corresponding Key</i> | <i>Corresponding Repair Kit</i> | <i>Corresponding Swivel</i> |
|------------|-------------|--------------|-----------------|--------------------------|---------------------------------|-----------------------------|
| Single | 1-piece | Locking | QCV-100VL | CK-100 | RK-100 | QCS-2 |
| | | Non-Locking | QCV-100V | | | |
| | 2-piece | Locking | QCV-100VL2 | | RK2-100 | |
| | | Non-Locking | QCV-100V2 | | | |
| Double | 1-piece | Locking | QCV-105VL | CK-105 | RK-105 | |
| | | Non-Locking | QCV-105V | | | |

Quick Coupler Valve (QCV) - Non-Potable

| Models | Size | CTN QTY |
|---------------|----------------------------------|---------|
| QCV-075VL2-NP | 3/4" 2-piece Vinyl Locking Cover | 6 |
| QCV-100VL2-NP | 1" 2-piece Vinyl Locking Cover | 6 |
| QCV-105VL-NP | 1" 1-piece Vinyl Locking Cover | 6 |



More New Products



NEW

Plastic Automatic Inline Valves

Operating Specifications

- Optimal flow range:
0.5-40 GPM
- Rated up to 150 PSI
Maximum working pressure

Electrical Characteristics

- Solenoid: 24VAC/60Hz
- Inrush Current: 0.59 Amps (14.2 VA)
- Holding Current: 0.33 Amps (7.9 VA)
- 22" lead wires

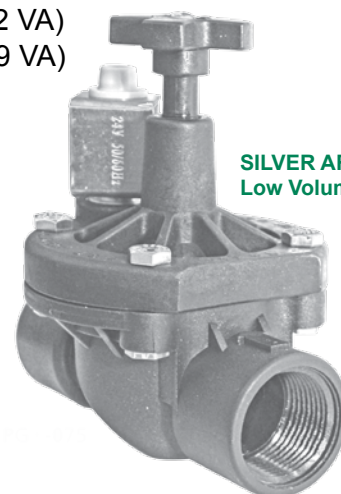
Economic Plastic Globe (EPG) Valve

Features

- Glass reinforced nylon construction for years of dependable service
- Flow control handle and stem
- Straight-flow water path
- Manual on/off operation - internal bleed
- Diaphragm made from nylon reinforced buna

Economic Plastic Globe Valve

| Models | Size | CTN QTY |
|---------|------|---------|
| EPG-075 | 3/4" | 6 |
| EPG-100 | 1" | 6 |



SILVER ARROW
Low Volume

Silver Arrow Standard Valve

Features

- Glass reinforced nylon construction for years of dependable service
- Reverse-flow water path ensures diaphragm fails in closed position
- Manual on/off operation - internal bleed
- Flow control handle and stem
- Diaphragm made from santoprene

Silver Arrow Standard Valve

| Models | Size | CTN QTY |
|--------|------|---------|
| SA-075 | 3/4" | 6 |
| SA-100 | 1" | 6 |

Silver Arrow Valve - Low Volume

| Models | Size | CTN QTY |
|-----------|------|---------|
| SA-075-LV | 3/4" | 6 |
| SA-100-LV | 1" | 6 |

| | PRESSURE LOSS (PSI) | | | | | | | | | | FLOW (GPM) | | | | |
|------|---------------------|-----|-----|-----|------|----|----|----|-----|-----|------------|-----|--|--|--|
| SIZE | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 120 | 140 | 160 | | | |
| 3/4" | 1.0 | 2.7 | 3.0 | 6.5 | 10.0 | - | - | - | - | - | - | - | | | |
| 1" | 1.0 | 2.7 | 3.0 | 6.5 | 10.0 | - | - | - | - | - | - | - | | | |

More New Products



NEW

Valcon by Champion Anti-Drain Valves

Features

- Anti-drain spring check and elevation compensating valve
- Constructed of corrosion free material
- Adjustable from 5 to 40 ft. elevation protection
- Quick opening, positive closing, and zero leakage
- Self-cleaning, poppet design is protected from larger particles by screen action of the spring
- No wear or chatter and no tight-fitting parts to bind or fail
- Use under sprinkler heads, sprays and rotors



V5200

Valcon Anti-Drain Valve - Standard

| Models | Size | CTN QTY |
|--------|---------------|---------|
| V5000 | 1/2" - 5 gpm | 50 |
| V5100 | 3/4" - 10 gpm | 50 |
| V5200 | 1" - 20 gpm | 36 |

**Only Available
Through Champion**

NEW

Valcon by Champion Anti-Drain Valves with Excess Flow Shut-Off

Features

- Anti-drain and excess flow shut-off valve – a hydraulic circuit breaker
- Constructed of corrosion free material
- Quick opening, positive closing, and zero leakage
- Self-cleaning, poppet design is protected from larger particles by screen action of the spring
- No wear or chatter and no tight-fitting parts to bind or fail
- Shuts off the flow to broken sprinklers without affecting the operating efficiency of other heads



V5001

Valcon Anti-Drain Valve - Excess Flow Shut-Off

| Models | Size | CTN QTY |
|--------|---------------|---------|
| V5001 | 1/2" - 5 gpm | 50 |
| V5101 | 3/4" - 10 gpm | 50 |

More New Products

NEW

Valcon by Champion Remote Control Valves (RCV)



Features

- Stainless steel seat molded directly into valve body
- Stainless steel threads for flow control stem
- Metal threads for bolts to secure and properly seal cover
- Stainless steel solenoid port and flow tube
- Rugged PVC construction
- Easy to maintain
- Completely accessible from the top
- Thousands installed and still in service
- The original and still the best



VI-100

**Straight & Angle
Configuration**

Valcon - Remote Control Valves (RCV)

| Models | Size | CTN QTY |
|--------|--------|---------|
| VI-075 | 3/4" | 1 |
| VI-100 | 1" | 1 |
| VI-125 | 1-1/4" | 1 |
| VI-150 | 1-1/2" | 1 |
| VI-200 | 2" | 1 |
| VI-250 | 2-1/2" | 1 |
| VI-300 | 3" | 1 |



VI-250

Valcon - Remote Control Valve Parts (For All Sizes)

| Models | Description | CTN QTY |
|--------|---------------------------------|---------|
| V10203 | Flow Stem, Handle & Nut | 1 |
| V10204 | Manual Bleed Screw | 1 |
| V10414 | Solenoid Stem Assy. with E-clip | 1 |
| V10407 | E-clip for Solenoid Stem Assy. | 1 |
| V10500 | Complete Solenoid Assy. | 1 |
| V10510 | Solenoid Coil | 1 |
| V10800 | Solenoid Plunger with Spring | 1 |

Valcon - Remote Control Valve Parts (For Each Size)

| Description | Part Model Number for Each Valve Size | | | | | | |
|--|---------------------------------------|---------|---------|---------|---------|---------|---------|
| | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" | 2-1/2" | 3" |
| Cover Assy. with Flow Stem and Handle | V12200 | V12200 | V14200 | V14200 | V16200 | V16200 | V16200 |
| Cover Only | V12201 | V12201 | V14201 | V14201 | V16201 | V16201 | V16201 |
| Flow Stem | V12202 | V12202 | V16202 | V16202 | V16202 | V16202 | V16202 |
| Diaphragm Assy. | V12300 | V12300 | V14300 | V14300 | V16300 | V16300 | V16300 |
| Repair Kit (Diaphragm, Rubber Seat, Diaphragm O-Ring) | V075100 | V075100 | V125150 | V125150 | V250300 | V250300 | V250300 |
| Cover Spring | V12403 | V12403 | V14403 | V14403 | V16403 | V16403 | V16403 |
| Cover Bolt | V12406 | V12406 | V14401 | V14401 | V16401 | V16401 | V16401 |

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Brass Automatic Inline Valves

Electrical Characteristics

- Solenoid: 24VAC/60Hz
- Inrush Current: 0.59 Amps (14.2 VA)
- Holding Current: 0.33 Amps (7.9 VA)
- 22" lead wires

Dimensions

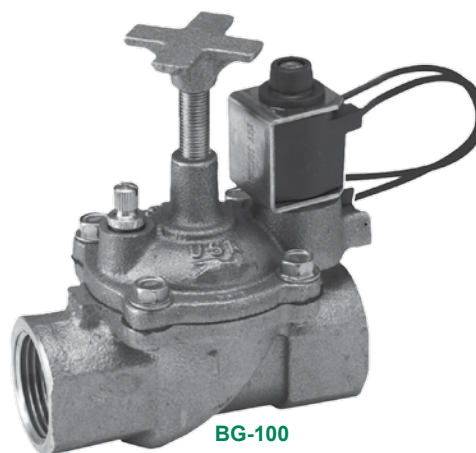
| Size | Length, A | Length, B | Length, C |
|--------|-----------|-----------|-----------|
| 3/4" | 4-15/16" | 3-21/64" | 4-21/64" |
| 1" | 4-15/16" | 3-21/64" | 4-21/64" |
| 1-1/2" | 6-21/64" | 4-15/16" | 7-5/32" |
| 2" | 6-3/4" | 4-15/16" | 7-3/8" |

Features

- True red brass construction
- Reverse flow design ensures diaphragm fails in closed position
- Manual On/Off operation with internal & external bleed
- Flow adjustment stem
- Reclaimed Water Series (RW) has purple bonnet signifying non-potable water
- EPDM Seals

Operating Specifications

- Optimal flow range: 5-180 GPM
- Rated to 150 PSI maximum working pressure
- Optimal operating pressure is 60-90 PSI



BG-100

Automatic Red Brass Inline Valves RECLAIMED WATER SERIES

| Models | Size | CTN QTY | LBS/CTN |
|----------|--------|---------|---------|
| BG-075RW | 3/4" | 6 | 12 |
| BG-100RW | 1" | 6 | 12.5 |
| BG-125RW | 1-1/4" | 6 | 25 |
| BG-150RW | 1-1/2" | 6 | 26 |
| BG-200RW | 2" | 4 | 28 |

Automatic Red Brass Inline Valves

| Models | Size | CTN QTY | LBS/CTN |
|--------|--------|---------|---------|
| BG-075 | 3/4" | 6 | 12 |
| BG-100 | 1" | 6 | 13 |
| BG-125 | 1-1/4" | 6 | 24 |
| BG-150 | 1-1/2" | 6 | 26 |
| BG-200 | 2" | 6 | 44 |

PRESSURE LOSS (PSI)

| SIZE | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 |
|--------|-----|-----|-----|------|------|------|-----|-----|------|------|------|-----|------|------|
| 3/4" | 2.5 | 5.3 | 7.4 | 12.0 | - | - | - | - | - | - | - | - | - | - |
| 1" | 3.0 | 3.5 | 5.0 | 9.0 | 12.4 | 18.7 | - | - | - | - | - | - | - | - |
| 1-1/4" | - | 4.8 | 5.0 | 6.0 | 8.0 | 10.0 | - | - | - | - | - | - | - | - |
| 1-1/2" | - | - | 2.7 | 2.9 | 3.2 | 3.7 | 4.5 | 8.0 | 12.9 | 18.1 | 24.0 | - | - | - |
| 2" | - | - | 1.5 | 1.6 | 1.8 | 2.0 | 2.3 | 3.1 | 4.4 | 6.2 | 7.9 | 8.5 | 13.4 | 16.8 |

FLOW (GPM)

Automatic Anti-Siphon Valves

"Protects Drinking Water"



Features

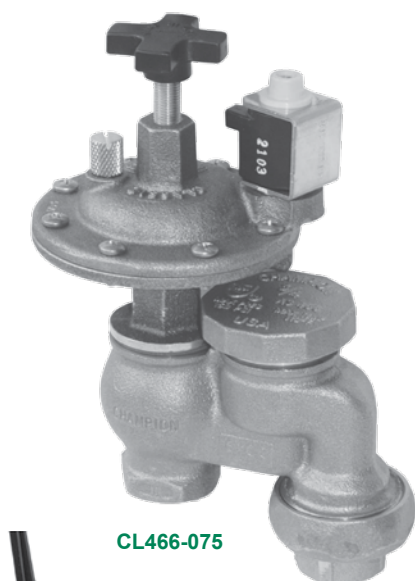
- True red brass construction on CL's and 466 series
- Combines reliable Champion anti-siphon valves and actuators
- Manual flow control and manual external bleed
- Anti-siphon prevents backflow of contaminated water into household water supply

Operating Specifications

- Optimal flow range: 5-35 GPM
- Rated to 150 PSI maximum working pressure
- Optimal operating pressure is 60-90 PSI

Electrical Characteristics

- Solenoid: 24VAC/60Hz/50Hz
- Inrush current: 0.59 Amps (14.2 VA)
- Holding current: 0.33 Amps (7.9 VA)
- 22" lead wires



CL466-075

Classic Automatic Anti-Siphon Valve - Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|------------|--------------------|---------|---------|
| CL466-075 | 3/4" with union | 6 | 20 |
| CL466-100 | 1" with union | 6 | 30 |
| CL466P-075 | 3/4" without union | 6 | 26 |
| CL466P-100 | 1" without union | 6 | 28 |

Automatic Anti-Siphon Valve with Plastic Actuator without Union

| Models | Size | CTN QTY | LBS/CTN |
|-----------|------------------------------------|---------|---------|
| PCL-075FV | 3/4" | 6 | 14 |
| PCL-100FV | 1" | 6 | 15 |
| PAA-075FV | 3/4" with compact plastic actuator | 10 | 20 |

Compact Automatic Anti-Siphon Valve

| Models | Size | CTN QTY | LBS/CTN |
|-----------|---------------------------|---------|---------|
| AB-075-FV | 3/4" Brass without Union | 10 | 30 |
| AB466-075 | 3/4" Red Brass with Union | 10 | 35 |
| AB466-100 | 1" Red Brass with Union | 10 | 40 |



PAA-075FV

PRESSURE LOSS (PSI)

FLOW (GPM)

| *MODEL | SIZE | 5 | 10 | 15 | 20 | 25 |
|-----------|------|------|------|------|------|------|
| CL-466(P) | 3/4" | 10.0 | 14.0 | 17.0 | 20.0 | - |
| CL-466(P) | 1" | 5.0 | 7.0 | 9.0 | 10.0 | 12.0 |

* Flow rates indicated represent optimal range for each model
 NOTE: All atmospheric vacuum breakers must be installed at least 6" above the highest sprinkler head (or check local codes) in order to function properly.



Manual Anti-Siphon Valves

"Protects Drinking Water"

Features

- Brass construction
- Anti-siphon prevents backflow of contaminated water into household water supply
- Full size waterways for low pressure loss
- Durable seals
- Tested and listed with the City of Los Angeles, IAPMO, and ASSE
- Not designed for constant pressure applications

Operating Specifications

- Flow range: 5-35 GPM
- Operating pressure: 25-150 PSI

| | | PRESSURE LOSS (PSI) | | | | FLOW (GPM) | | | |
|--------|------|---------------------|-----|-----|-----|------------|-----|----|--|
| MODEL | SIZE | 5 | 10 | 15 | 20 | 25 | 30 | 35 | |
| 466(P) | 3/4" | 0.5 | 2.0 | 5.0 | 7.9 | - | - | - | |
| 466(P) | 1" | - | 1.0 | 1.9 | 3.0 | 3.9 | 6.0 | - | |

Dimensions

| Model | Length, A | Width, Max. | Height, C | C-C Spacing |
|----------|-----------|-------------|-----------|-------------|
| 466-075 | 4-5/8" | 2-1/8" | 6-1/8" | 2-1/2" |
| 466P-075 | 4-15/16" | 2-1/8" | 5-1/4" | 2-1/2" |
| 466-100 | 5-3/16" | 2-7/16" | 6-3/8" | 2-61/64" |
| 466P-100 | 4-7/8" | 2-7/16" | 5-9/16" | 2-61/64" |



466-100

Manual Anti-Siphon Valves - Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|----------|--------------------|---------|---------|
| 466-075 | 3/4" with Union | 15 | 38 |
| 466-100 | 1" with Union | 12 | 39 |
| 466P-075 | 3/4" without Union | 20 | 46 |
| 466P-100 | 1" without Union | 12 | 32 |

Manual Anti-Siphon Valves - Brass

| Models | Size | CTN QTY | LBS/CTN |
|-----------|--------------------|---------|---------|
| 466-075Y | 3/4" with Union | 15 | 34 |
| 466-100Y | 1" with Union | 12 | 36 |
| 466P-075Y | 3/4" without Union | 20 | 41 |
| 466P-100Y | 1" without Union | 12 | 30 |

Manual Anti-Siphon Valves Brass with Wheel Handle

| Models | Size | CTN QTY | LBS/CTN |
|------------|--------------------|---------|---------|
| 466W-075Y | 3/4" with Union | 15 | 34 |
| 466W-100Y | 1" with Union | 12 | 36 |
| 466PW-075Y | 3/4" without Union | 17 | 33 |
| 466PW-100Y | 1" without Union | 12 | 30 |

Manual Anti-Siphon Bodies - Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|---------------|--------------------|---------|---------|
| V-19-466-075 | 3/4" with Union | 25 | 47 |
| V-19-466-100 | 1" with Union | 15 | 48 |
| V-19-466P-075 | 3/4" without Union | 30 | 46 |
| V-19-466P-100 | 1" without Union | 20 | 38 |

Manual Anti-Siphon Bodies - Brass

| Models | Size | CTN QTY | LBS/CTN |
|----------------|--------------------|---------|---------|
| V-19-466-075Y | 3/4" with Union | 25 | 47 |
| V-19-466-100Y | 1" with Union | 15 | 48 |
| V-19-466P-075Y | 3/4" without Union | 30 | 46 |
| V-19-466P-100Y | 1" without Union | 20 | 38 |



V19-466-100

Manual Straight & Angle Valves



Operating Specifications

- Optimal flow range 5-180 GPM
- Operates up to 150 PSI Maximum working pressure



100-100



200RS-100



300RS-100

| | PRESSURE LOSS (PSI) | | | | | | | | | | | | | | | |
|--------|---------------------|-----|-----|------|------|------|-----|-----|------|------|------|-----|------|------|---|---|
| SIZE | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | | |
| 3/4" | 2.5 | 5.3 | 7.4 | 12.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1" | 3.0 | 3.5 | 5.0 | 9.0 | 12.4 | 18.7 | - | - | - | - | - | - | - | - | - | - |
| 1-1/4" | - | 4.8 | 5.0 | 6.0 | 8.0 | 10.0 | - | - | - | - | - | - | - | - | - | - |
| 1-1/2" | - | - | 2.7 | 2.9 | 3.2 | 3.7 | 4.5 | 8.0 | 12.9 | 18.1 | 24.0 | - | - | - | - | - |
| 2" | - | - | 1.5 | 1.6 | 1.8 | 2.0 | 2.3 | 3.1 | 4.4 | 6.2 | 7.9 | 8.5 | 13.4 | 16.8 | - | - |

Manual STRAIGHT Valves - Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|-----------|---------------------------|---------|---------|
| 100-075 | 3/4" | 18 | 28 |
| 100-100 | 1" | 12 | 26 |
| 100RS-075 | 3/4" with Rising Swivel | 18 | 28 |
| 100RS-100 | 1" with Rising Swivel | 12 | 26 |
| 100RS-125 | 1-1/4" with Rising Swivel | 9 | 40 |
| 100RS-150 | 1-1/2" with Rising Swivel | 5 | 32 |
| 100RS-200 | 2" with Rising Swivel | 4 | 39 |

Manual STRAIGHT Valves - Brass

| Models | Size | CTN QTY | LBS/CTN |
|------------|-------------------------|---------|---------|
| 100RS-075Y | 3/4" with Rising Swivel | 18 | 28 |
| 100RS-100Y | 1" with Rising Swivel | 12 | 26 |

Manual ANGLE Valves without Union - Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|-----------|---------------------------|---------|---------|
| 200-075 | 3/4" | 20 | 27 |
| 200-100 | 1" | 15 | 26 |
| 200RS-075 | 3/4" with Rising Swivel | 20 | 28 |
| 200RS-100 | 1" with Rising Swivel | 15 | 25 |
| 200RS-125 | 1-1/4" with Rising Swivel | 6 | 22 |
| 200RS-150 | 1-1/2" with Rising Swivel | 4 | 20 |
| 200RS-200 | 2" with Rising Swivel | 2 | 14 |

Manual ANGLE Valves without Union - Brass

| Models | Size | CTN QTY | LBS/CTN |
|------------|-------------------------|---------|---------|
| 200RS-075Y | 3/4" with Rising Swivel | 20 | 28 |
| 200RS-100Y | 1" with Rising Swivel | 6 | 22 |

Manual ANGLE Valves with Union - Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|-----------|---------------------------|---------|---------|
| 300-075 | 3/4" | 15 | 27 |
| 300-100 | 1" | 10 | 22 |
| 300RS-075 | 3/4" with Rising Swivel | 15 | 27 |
| 300RS-100 | 1" with Rising Swivel | 10 | 21 |
| 300RS-125 | 1-1/4" with Rising Swivel | 6 | 24 |
| 300RS-150 | 1-1/2" with Rising Swivel | 4 | 29 |
| 300RS-200 | 2" with Rising Swivel | 2 | 18 |

Manual ANGLE Valves with Union - Brass

| Models | Size | CTN QTY | LBS/CTN |
|------------|-------------------------|---------|---------|
| 300RS-075Y | 3/4" with Rising Swivel | 15 | 27 |
| 300RS-100Y | 1" with Rising Swivel | 10 | 21 |

Automatic Actuator

Features

- Easily converts Champion manual valves to automatic operation (Champion 100, 200, 300, and 466 valves)
- Manual external bleed
- Manual flow control

Electrical Characteristics

- Solenoid: 24VAC/60Hz/50Hz
- Inrush current: 0.59 Amps (14.2 VA)
- Holding Current: 0.33 Amps (7.9 VA)
- 22" lead wires

Operating Specifications

- Operating pressure: 25-150 PSI
- Minimal flow: 5 GPM
- Rated to 150 PSI maximum working pressure
- Optimal operating pressure for sprinkler systems is 60-90 PSI



CL-075



AA-075



PCL-075

Now Available
with Brass Nut!

CLASSIC Automatic Actuators Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|----------|------------|---------|---------|
| CL-075 | 3/4" | 6 | 14 |
| CL-100 | 1" | 6 | 15 |
| CL-075-B | 3/4" Boxed | 10 | 23 |
| CL-100-B | 1" Boxed | 10 | 23 |

CLASSIC Automatic Actuators Glass Reinforced Nylon

| Models | Size | CTN QTY | LBS/CTN |
|-----------|------------|---------|---------|
| PCL-075 | 3/4" | 6 | 4 |
| PCL-100 | 1" | 6 | 4 |
| PCL-075-B | 3/4" Boxed | 10 | 7 |
| PCL-100-B | 1" Boxed | 10 | 7 |

Automatic Actuators - Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|----------|------------|---------|---------|
| AA-075 | 3/4" | 18 | 28 |
| AA-100 | 1" | 12 | 26 |
| AB-075-B | 3/4" Boxed | 18 | 28 |
| AB-100-B | 1" Boxed | 12 | 26 |

Automatic Actuators - Plastic

| Models | Size | CTN QTY | LBS/CTN |
|----------|------------|---------|---------|
| AP-075-B | 3/4" Boxed | 18 | 28 |
| AP-100-B | 1" Boxed | 12 | 26 |

Atmospheric Vacuum Breakers



Features

- True Brass construction
- Prevents backflow of water into potable water line
- Full size waterways for low pressure loss
- Durable seals
- Tested and listed with the City of Los Angeles, IAPMO, and ASSE
- Not registered for constant pressure applications

Operating Specifications

- Flow Range: 5-140 GPM
- Operating Pressure: up to 150 PSI



262-100

Vacuum Breaker without Union Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|---------|--------|---------|---------|
| 262-075 | 3/4" | 24 | 22 |
| 262-100 | 1" | 15 | 20 |
| 262-125 | 1-1/4" | 12 | 33 |
| 262-150 | 1-1/2" | 10 | 36 |
| 262-200 | 2" | 4 | 24 |

Vacuum Breaker without Union Brass

| Models | Size | CTN QTY | LBS/CTN |
|----------|------|---------|---------|
| 262-075Y | 3/4" | 24 | 22 |
| 262-100Y | 1" | 15 | 20 |

Vacuum Breaker with Union Red Brass

| Models | Size | CTN QTY | LBS/CTN |
|---------|--------|---------|---------|
| 362-075 | 3/4" | 18 | 25 |
| 362-100 | 1" | 12 | 21 |
| 362-125 | 1-1/4" | 9 | 35 |
| 362-150 | 1-1/2" | 6 | 31 |
| 362-200 | 2" | 3 | 22 |

Vacuum Breaker with Union Brass

| Models | Size | CTN QTY | LBS/CTN |
|----------|------|---------|---------|
| 362-075Y | 3/4" | 18 | 25 |
| 362-100Y | 1" | 12 | 21 |



362-100

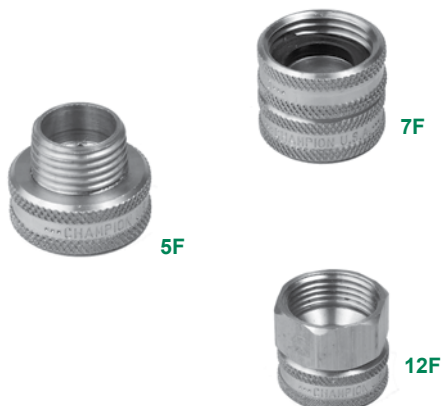
PRESSURE LOSS (PSI)

| MODEL # | SIZE | 5 | 8 | 10 | 15 | 20 | 30 | 40 | 50 | 60 | 80 | 100 |
|-----------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 262-075/362-075 | 3/4" | 0.2 | 0.6 | 0.8 | 1.6 | 2.9 | 7.0 | - | - | - | - | - |
| 262-100/362-100 | 1" | 0.1 | 0.2 | 0.3 | 0.6 | 1.0 | 2.2 | 3.5 | 5.6 | - | - | - |
| 262-125/362-125 | 1-1/4" | - | - | 0.2 | 0.4 | 0.5 | 1.0 | 1.7 | 2.8 | 3.7 | - | - |
| 262-150/362-150 | 1-1/2" | - | - | - | - | 0.4 | 0.9 | 1.4 | 2.0 | 3.1 | 4.8 | 8.0 |
| 262-200/362-200 | 2" | - | - | - | - | - | - | 0.6 | 0.7 | 1.2 | 2.0 | 3.0 |

FLOW (GPM)

Brass Fittings

Hose Joints – Swivel Fittings



| Models | Description | CTN QTY | LBS/CTN |
|--------|--------------------------------------|---------|---------|
| 5F | 3/4" Female Hose to 1/2" Male Pipe | 40 | 4 |
| 7F | 3/4" Female Hose to 3/4" Female Hose | 30 | 7 |
| 12F | 3/4" Female Hose to 3/4" Female Pipe | 30 | 4 |
| 13F | 3/4" Female Hose to 1/2" Female Pipe | 30 | 4 |

Hose Joints – Non-Swivel Fittings

| Models | Description | CTN QTY | LBS/CTN |
|--------|---|---------|---------|
| 6F | 3/4" Male Pipe to 3/4" Male Hose | 30 | 4 |
| 8F | 3/4" Male Hose to 3/4" Male or 1/2" Female Pipe | 30 | 5 |
| 9F | 3/4" Female Hose to 3/4" Male or 1/2" Female Pipe | 30 | 7 |
| 10F | 3/4" Male Hose to 1/2" Male Pipe | 40 | 5 |
| 14HC | Brass Hose End Cap - 3/4" Female Hose Thread | 30 | 4 |



Slip Joint Compression Tees



| Models | Fits Iron Pipe Size | Fits Copper Tubing Size | Outlet Pipe Thread Size | CTN QTY | LBS/CTN |
|--------|---------------------|-------------------------|-------------------------|---------|---------|
| SJT-9 | 1/2" | 3/4" | 3/4" | 12 | 8 |
| SJT-10 | 3/4" | 1" | 1" | 12 | 12.75 |

Slip Joint Compression Union



| Models | Fits Iron Pipe Size | Fits Copper Tubing Size | Outlet Pipe Thread Size | CTN QTY | LBS/CTN |
|--------|---------------------|-------------------------|-------------------------|---------|---------|
| SJU-1 | 1/2" | 3/4" | 3" | 12 | 6.25 |
| SJU-2 | 3/4" | 1" | 3" | 12 | 9.25 |
| SJU-51 | 1/2" | 3/4" | 5" | 12 | 9.5 |
| SJU-52 | 3/4" | 1" | 5" | 12 | 14 |

Controllers



Features

- 4, 6, or 9 zones
- 3 programs and 4 start times
- Program A & B stack starting times
- Program C can be used for drip irrigation
- 10% - 200% water budgeting
- Manual "off/rain switch"
- Perpetual calendar
- Compatible with Rain Sensor Technology
- Master valve / rain switch connection
- No additional battery or fuse to buy
- Programming capability includes:
 - o "Skip day"
 - o "Set day"
 - o "Odd/even day"

Includes Water Budgeting Feature

Electrical Characteristics

- Input: 120 VAC, 60 Hz
- Output: 24 VAC at 0.8A
- Backup: Internal Lithium Battery



R-4

Indoor Automatic Sprinkler System Controller

| Models | Size | CTN QTY | LBS/CTN |
|--------|-------------------|---------|---------|
| R-4 | 4 Zone Controller | 4 | 12 |
| R-6 | 6 Zone Controller | 4 | 12 |

Indoor/Outdoor Automatic Sprinkler System Controller

(Expandable to 15 zones with 3-zone add-on module)

| Models | Size | CTN QTY | LBS/CTN |
|--------|--------------------|---------|---------|
| C-6 | 6 Zone Controller | 2 | 12 |
| C-9 | 9 Zone Controller | 2 | 12 |
| C-12 | 12 Zone Controller | 2 | 12 |
| C-15 | 15 Zone Controller | 2 | 12 |



C-Series

Add-on Modules

| Models | Size | CTN QTY | LBS/CTN |
|--------|----------------------|---------|---------|
| WC-3 | 3 Zone Add-on Module | 12 | 1 |

Brass Spray Heads & Sprinklers



Features

- True red brass construction
- ½" NPT female inlet
- Operating pressure: 15-30 PSI
- Flow rate: 0.5 – 4.0 GPM
- Spacing: 5' – 15'

Red Brass Pop-up Spray Heads



| Models | Description | CTN QTY | LBS/CTN |
|--------|----------------------------|---------|---------|
| 18SF | Full Circle Spray | 50 | 20 |
| 18SH | Half Circle Spray | 50 | 20 |
| 18SQ | Quarter Circle Spray | 50 | 20 |
| 18S3Q | Three-Quarter Circle Spray | 50 | 19 |
| 18SS | Center Strip Spray | 50 | 19 |

Red Brass Pop-up Spray Heads with SKU Label

| Models | Description | CTN QTY | LBS/CTN |
|------------|----------------------|---------|---------|
| 18SF/12001 | Full Circle Spray | 50 | 20 |
| 18SH/12002 | Half Circle Spray | 50 | 20 |
| 18SQ/12003 | Quarter Circle Spray | 50 | 20 |

Red Brass Flush Sprinkler with SKU Label

| Models | Description | CTN QTY | LBS/CTN |
|-------------|--------------------------------|---------|---------|
| 17SF/11001 | Full Circle Sprinkler | 50 | 12 |
| 17SH/11002 | Half Circle Sprinkler | 50 | 12 |
| 17SQ/11003 | Quarter Circle Sprinkler | 50 | 12 |
| 17S3Q/11004 | Three-Quarter Circle Sprinkler | 50 | 12 |



Red Brass Shrub Spray with SKU Label

| Models | Description | CTN QTY | LBS/CTN |
|------------|----------------------------|---------|---------|
| S9F/13001 | Full Circle Shrub | 50 | 4.5 |
| S9H/13002 | Half Circle Shrub | 50 | 5 |
| S9Q/13003 | Quarter Circle Shrub | 50 | 5 |
| S93Q/13004 | Three-Quarter Circle Shrub | 50 | 5 |
| S9S/13005 | Center Strip Shrub | 50 | 5 |



Red Brass Bubbler

| Models | Description | CTN QTY | LBS/CTN |
|--------|---------------------|---------|---------|
| B6F | Full Circle Bubbler | 50 | 5 |

Plastic Spray Heads & Sprinklers



Features

- Impact resistant ABS construction
- ½" NPT female inlet
- Operating pressure: 15-30 PSI

Flow Rate

- Brass insert nozzles: 0.5 – 4.0 GPM
- Plastic nozzles: 0.2 – 4.0 GPM

Spacing

- Spray nozzle: 5' – 15'

Plastic Pop-up Spray Head with Brass Nozzle

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|---------------|----------------------|----------------|----------------|
| P18SF | Full Circle Spray | 50 | 5 |
| P18SH | Half Circle Spray | 50 | 5 |
| P18SQ | Quarter Circle Spray | 50 | 5 |

Plastic Pop-up Spray Head with Brass Nozzle with UPC Label

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|---------------|----------------------------|----------------|----------------|
| P28F | Full Circle Spray | 50 | 6 |
| P28H | Half Circle Spray | 50 | 6 |
| P28Q | Quarter Circle Spray | 50 | 6 |
| P283Q | Three-Quarter Circle Spray | 50 | 6 |

Plastic Pop-up Spray Head with Plastic Nozzle

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|---------------|----------------------|----------------|----------------|
| P38PF | Full Circle Spray | 100 | 10 |
| P38PH | Half Circle Spray | 100 | 10 |
| P38PQ | Quarter Circle Spray | 100 | 10 |



P28F & P18SF

Plastic Flush with Brass Nozzle

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|---------------|----------------------|----------------|----------------|
| P17SF | Full Circle Spray | 100 | 6 |
| P17SH | Half Circle Spray | 100 | 7 |
| P17SQ | Quarter Circle Spray | 100 | 7 |

Plastic Flush with Brass Nozzle with UPC Label

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|---------------|----------------------------|----------------|----------------|
| F27F | Full Circle Spray | 50 | 3 |
| F27H | Half Circle Spray | 50 | 4 |
| F27Q | Quarter Circle Spray | 50 | 4 |
| F273Q | Three-Quarter Circle Spray | 50 | 4 |



P17S

Plastic Flush with Plastic Nozzle

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|---------------|----------------------|----------------|----------------|
| F37PF | Full Circle Spray | 100 | 10 |
| F37PH | Half Circle Spray | 100 | 10 |
| F37PQ | Quarter Circle Spray | 100 | 10 |



Plastic Shrubbery Sprinklers & Bubblers

Features

- Impact resistant ABS construction
- Plastic professional umbrella bubbler includes filter and the flow is fingertip adjustable
- Plastic shrub accepts female threaded plastic nozzles
- ½" NPT female inlet
- Operating pressure: 15-30 PSI

Flow Rate

- Brass insert nozzles: 0.5 – 4.0 GPM
- Bubbler: 0 – 6 GPM
- Plastic nozzles: 0.2 – 4.0 GPM

Spacing

- Spray nozzle: 5' – 15'
- Bubbler: 1' – 3'



S29



BPU

Plastic Shrub Sprinkler with Plastic Nozzle

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|---------------------------------|-----------------------|-----------------------|
| P191PSF | Full Circle Shrub | 100 | 3 |
| P191PSH | Half Circle Shrub | 100 | 3 |
| P191PSQ | Quarter Circle Shrub | 100 | 3 |
| P191PASA | Shrub w/adjustable Arc 25°-360° | 100 | 4 |

Plastic Shrub Sprinkler with Brass Nozzle

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|---------------------------|-----------------------|-----------------------|
| S29F | Full Circle Shrub | 50 | 2 |
| S29H | Half Circle Shrub | 50 | 2 |
| S29Q | Quarter Circle Shrub | 50 | 2 |

Economy Plastic Shrub Sprinkler with Plastic Nozzle

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|---------------------------|-----------------------|-----------------------|
| S39PF | Full Circle Shrub | 100 | 3 |
| S39PH | Half Circle Shrub | 100 | 3 |
| S39PQ | Quarter Circle Shrub | 100 | 3 |

Plastic Shrub Bubblers

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|--|-----------------------|-----------------------|
| P1902 | Plastic Shrub Umbrella Bubbler with Filter | 100 | 3 |
| BPU | Full Adjustable Plastic Umbrella Bubbler w/UPC label | 100 | 3 |

Retractable Pop-Up Spray Heads

Champion Irrigation
Garantia
3 Year Limited
Warranty
Products



FPB

Features

- Spring loaded
- Impact resistant ABS construction
- Positive retraction with heavy duty stainless steel spring
- Sanoprene wiper seal
- Drop-in filter for easy cleaning
- Ratcheting stem for easy, positive spray adjustment
- Flow adjustable nozzles – spacing 11' to 15'
- ½" female pipe threaded inlet
- Available with Brass Cap

2" Pop-ups - Spring Retractable

| Models | Description | CTN QTY | LBS/CTN |
|---------|----------------------------------|---------|---------|
| FP2F | Full Circle | 48 | 7 |
| FP23Q | Three-Quarter Circle | 24 | 4 |
| FP2H | Half Circle | 48 | 7 |
| FP2T | One-Third Circle | 24 | 4 |
| FP2Q | Quarter Circle | 48 | 7 |
| FP2SS | Side Strip | 24 | 4 |
| FP2CS | Center Strip | 24 | 4 |
| FP2ES | End Strip | 24 | 4 |
| FP2ASA | Adjustable Spray Arc | 24 | 4 |
| FPB2ASA | Adjustable Spray Arc w/Brass Top | 24 | 8 |



FP2F

Available with
Brass Cap

Available with
Brass Cap



FP4F

4" Pop-ups - Spring Retractable

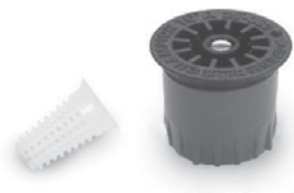
| Models | Description | CTN QTY | LBS/CTN |
|---------|----------------------------------|---------|---------|
| FP4F | Full Circle | 48 | 9 |
| FP43Q | Three-Quarter Circle | 24 | 5 |
| FP4H | Half Circle | 48 | 9 |
| FP4T | One-Third Circle | 24 | 5 |
| FP4Q | Quarter Circle | 48 | 9 |
| FP4SS | Side Strip | 24 | 5 |
| FP4CS | Center Strip | 24 | 5 |
| FP4ES | End Strip | 24 | 5 |
| FP4ASA | Adjustable Spray Arc | 24 | 5 |
| FPB4ASA | Adjustable Spray Arc w/Brass Top | 24 | 9 |



Plastic Nozzles for Retractable Pop-Ups

Features

- Impact resistant ABS construction
- Stainless steel adjustment screw
- Spacing – 11' to 15'
- Includes filter



Plastic Nozzles with Filter

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|---------------------------|-----------------------|-----------------------|
| 15ASA | Variable Arc, 15' Radius | 25 | 0.5 |
| 15F | Full, 15' Radius | 50 | 1 |
| 15H | Half, 15' Radius | 50 | 1 |
| 15Q | Quarter, 15' Radius | 50 | 1 |
| 15TQ | Three-Quarter, 15' Radius | 25 | 0.5 |
| 15T | One-Third, 15' Radius | 25 | 0.5 |
| 15EST | End Strip, 4' x 12' | 25 | 0.5 |
| 15CST | Center Strip, 4' x 24' | 25 | 0.5 |
| 15SST | Side Strip, 4' x 24' | 25 | 0.5 |

Plastic Nozzles with Filter - 2 pack, carded

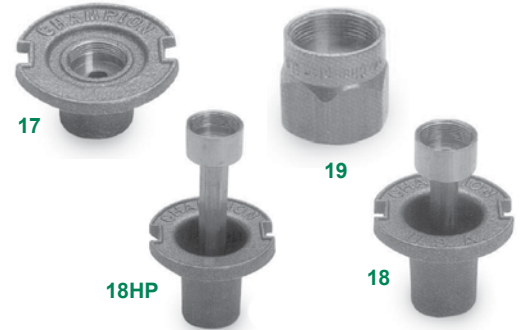
| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|---------------------------|-----------------------|-----------------------|
| 15ASA-C | Variable Arc, 15' Radius | 24 | 1 |
| 15F-C | Full, 15' Radius | 24 | 1 |
| 15H-C | Half, 15' Radius | 24 | 1 |
| 15Q-C | Quarter, 15' Radius | 24 | 1 |
| 15TQ-C | Three-Quarter, 15' Radius | 24 | 1 |
| 15T-C | One-Third, 15' Radius | 24 | 1 |
| 15EST-C | End Strip, 4' x 12' | 24 | 1 |
| 15CST-C | Center Strip, 4' x 24' | 24 | 1 |
| 15SST-C | Side Strip, 4' x 24' | 24 | 1 |

Sprinkler Bodies and Nozzles



Brass Sprinkler Bodies

| Models | Description | CTN QTY | LBS/CTN |
|--------|------------------|---------|---------|
| 18 | Pop-up Body | 50 | 18 |
| 18HP | High Pop-up Body | 50 | 19 |
| 17 | Flush Body | 100 | 23 |
| 19 | Shrub Body | 50 | 3 |



Plastic Sprinkler Bodies

| Models | Description | CTN QTY | LBS/CTN |
|--------|-----------------------------------|---------|---------|
| P18 | Pop-up Body | 50 | 3 |
| P17 | Flush Body | 100 | 3 |
| P192 | Shrub Adapter Body | 50 | 1 |
| 2102 | 2" Spring Retractable Pop-up Body | 50 | 6 |
| 2104 | 4" Spring Retractable Pop-up Body | 50 | 12 |

Features: Brass Sprinkler Insert Nozzles

- For use on all 17, 18, and 19 sprinklers
- Brass construction
- Adjustable flow and radius
- Matched precipitation rate (MPR)



Center Strip Spray Patterns

| Models | Description | Pressure PSI | Flow GPM | Radius Feet | D.B.N. Feet | IN/HR ■ |
|--------|---|-----------------|-------------|----------------|----------------|------------|
| SS | 4' x 20' - Center Strip Spray | 15 | 1.70 | 3' x 17' | 17.00 | 3.21 |
| | | 20 | 2.10 | 3.5' x 18' | 18.00 | 3.21 |
| | | 25 | 3.30 | 3.7' x 19' | 19.00 | 3.15 |
| | | 30 | 2.50 | 4' x 20' | 20.00 | 3.01 |
| | | | | | | |
| SS-C | 4' x 20' - Center Strip Spray 2 Pack | Same as SS | Same as SS | Same as SS | Same as SS | Same as SS |
| SSQ-C | 4' x 20' - Square Pattern Spray 2 Pack | 15 | 1.90 | 18' x 18' | 9.00 | 2.26 |
| | | 20 | 2.30 | 20' x 20' | 10.00 | 2.21 |
| | | 25 | 2.70 | 22' x 22' | 11.00 | 2.15 |
| | | 30 | 3.00 | 24' x 24' | 12.00 | 2.01 |
| | | | | | | |

Note: Square spacing ■ calculated at 50% diameter of throw. Triangle spacing ▲ calculated at 60% diameter of throw. Pressure (PSI) measured at nozzle. Flow rates shown are maximum. Inserts are adjustable for less GPM flow. Assumes ideal conditions.



Sprinkler Bodies and Nozzles

Spray Patterns

| Models | Description | Pressure PSI | Flow GPM | Radius Feet | Precipitation | |
|--------|--|-----------------|-------------|----------------|---------------|-------------|
| | | | | | IN/HR ■ | IN/HR ▲ |
| SF | 15' Radius Full Spray | 15 | 3.20 | 12.00 | 2.14 | 2.49 |
| | | 20 | 3.50 | 13.00 | 1.99 | 2.32 |
| | | 25 | 3.70 | 14.00 | 1.82 | 1.99 |
| | | 30 | 4.00 | 15.00 | 1.71 | 1.99 |
| SF-C | 15' Radius - Full Spray 2 Pack | Same as SF | Same as SF | Same as SF | Same as SF | Same as SF |
| SH | 15' Radius Half Spray | 15 | 1.60 | 12.00 | 2.14 | 2.49 |
| | | 20 | 1.90 | 13.00 | 2.17 | 2.52 |
| | | 25 | 2.00 | 14.00 | 1.97 | 2.29 |
| | | 30 | 2.20 | 15.00 | 1.88 | 2.19 |
| SH-C | 15' Radius - Half Spray 2 Pack | Same as SH | Same as SH | Same as SH | Same as SH | Same as SH |
| SQ | 15' Radius Quarter Spray | 15 | 0.90 | 12.00 | 2.41 | 2.80 |
| | | 20 | 1.00 | 13.00 | 2.28 | 2.65 |
| | | 25 | 1.10 | 14.00 | 2.16 | 2.51 |
| | | 30 | 1.30 | 15.00 | 2.23 | 2.59 |
| SQ-C | 15' Radius - Quarter Spray 2 Pack | Same as SQ | Same as SQ | Same as SQ | Same as SQ | Same as SQ |
| S3Q | 15' Radius Three-Quarter Spray | 15 | 2.00 | 12.00 | 1.78 | 2.07 |
| | | 20 | 2.40 | 13.00 | 1.82 | 2.12 |
| | | 25 | 2.70 | 14.00 | 1.77 | 2.06 |
| | | 30 | 3.00 | 15.00 | 1.71 | 1.99 |
| S3Q-C | 15' Radius - Three-Quarter Spray 2 Pack | Same as S3Q | Same as S3Q | Same as S3Q | Same as S3Q | Same as S3Q |
| ST | 15' Radius One-Third Spray | 15 | 1.10 | 12.00 | 2.21 | 2.57 |
| | | 20 | 1.20 | 13.00 | 2.05 | 2.39 |
| | | 25 | 1.30 | 14.00 | 1.92 | 2.23 |
| | | 30 | 1.40 | 15.00 | 1.80 | 2.09 |
| SF-12 | 12' Radius Full Spray | 15 | 2.00 | 9.00 | 2.38 | 2.76 |
| | | 20 | 2.40 | 13.00 | 2.31 | 2.69 |
| | | 25 | 2.80 | 14.00 | 2.23 | 2.59 |
| | | 30 | 3.00 | 12.00 | 2.01 | 2.33 |
| SH-12 | 12' Radius Half Spray | 15 | 1.10 | 9.00 | 2.62 | 3.04 |
| | | 20 | 1.20 | 13.00 | 2.31 | 2.69 |
| | | 25 | 1.40 | 14.00 | 2.23 | 2.59 |
| | | 30 | 1.50 | 12.00 | 2.01 | 2.33 |
| SQ-12 | 12' Radius One-Quarter Spray | 15 | 0.50 | 9.00 | 2.38 | 2.76 |
| | | 20 | 0.60 | 13.00 | 2.31 | 2.69 |
| | | 25 | 0.70 | 14.00 | 2.23 | 2.59 |
| | | 30 | 0.80 | 12.00 | 2.14 | 2.49 |
| SF-9 | 9' Radius Full Spray | 15 | 1.50 | 6.00 | 4.01 | 4.63 |
| | | 20 | 1.60 | 7.00 | 3.14 | 3.63 |
| | | 25 | 1.80 | 8.00 | 2.71 | 3.13 |
| | | 30 | 2.00 | 9.00 | 2.38 | 2.75 |
| SH-9 | 9' Radius Half Spray | 15 | 0.75 | 6.00 | 2.01 | 2.32 |
| | | 20 | 0.80 | 7.00 | 1.57 | 1.82 |
| | | 25 | 0.90 | 8.00 | 1.35 | 1.56 |
| | | 30 | 1.00 | 9.00 | 1.19 | 1.37 |
| SQ-9 | 9' Radius One-Quarter Spray | 15 | 0.38 | 6.00 | 1.02 | 1.17 |
| | | 20 | 0.40 | 7.00 | 0.79 | 0.91 |
| | | 25 | 0.45 | 8.00 | 0.68 | 0.78 |
| | | 30 | 0.50 | 9.00 | 0.59 | 0.69 |

Note: Square spacing ■ calculated at 50% diameter of throw. Triangle spacing ▲ calculated at 60% diameter of throw. Pressure (PSI) measured at nozzle. Flow rates shown are maximum. Inserts are adjustable for less GPM flow. Assumes ideal conditions.

Brass Impulse Sprinklers



S201-1

Features

- Brass construction
- Single or double nozzle
- Super seal bearing



300-A

Brass Impulse Sprinkler - Full Circle

| Models | Description | Nozzle Size | Pressure PSI | Flow GPM | Radius Feet | Precipitation | |
|--------|--|---------------|----------------|----------------------|-------------------|-------------------|-------------------|
| | | | | | | IN/HR ■ | IN/HR ▲ |
| S201-1 | 3/4" Male Thread Sure Seal Single Nozzle | 3/16" | 50 60 | 7.2 7.8 | 50' 51' | 0.3 0.3 | 0.3 0.3 |
| S201-2 | 3/4" Male Thread Sure Seal Double Nozzle | 3/16" 1.8" | 50 60 70 | 10.6 11.5 12.4 | 50' 51' 52' | 0.4 0.4 0.4 | 0.3 0.3 0.3 |
| 300-A | 1" Male Thread Double Nozzle with Diffuser pin | 1/4" 7/32" | 60 70 80 | 24.7 26.8 28.8 | 63' 65' 67' | 0.6 0.5 0.5 | 0.5 0.4 0.4 |



U61-DP



U360-A

Brass Impulse Sprinkler - Full/Part Circle

| Models | Description | Nozzle Size | Pressure PSI | Flow GPM | Radius Feet | Precipitation | |
|----------|---|-------------------|-------------------|----------------------|-------------------|-------------------|-------------------|
| | | | | | | IN/HR ■ | IN/HR ▲ |
| U61-DP | 1/2" Male Thread Precision Spray Arm | 5/32" | 40 50 60 | 4.55 5.15 5.65 | 43' 47' 48' | 0.4 0.5 0.5 | 0.4 0.4 0.4 |
| U61-DP-C | 1/2" Male Thread Precision Spray Arm Carded | Same as U61-DP | Same as U61-DP | Same as U61-DP | Same as U61-DP | Same as U61-DP | Same as U61-DP |
| U260-DP | 3/4" Male Thread Deflector/Precision Spray Arm | 3/16" 3/32" | 40 50 60 | 8.2 9.2 10.0 | 45' 47' 48' | 0.8 0.8 0.8 | 0.6 0.6 0.7 |
| U360-A | 1" Male Thread with Diffuser Pin | 9/32" 1/8" | 70 80 | 23.1 24.8 | 70' 72' | 1.0 1.0 | 0.8 0.8 |

Note: Square spacing ■ calculated at 50% diameter of throw. Triangle spacing ▲ calculated at 60% diameter of throw. Pressure (PSI) measured at nozzle. Flow rates shown are maximum. Inserts are adjustable for less GPM flow. Assumes ideal conditions.

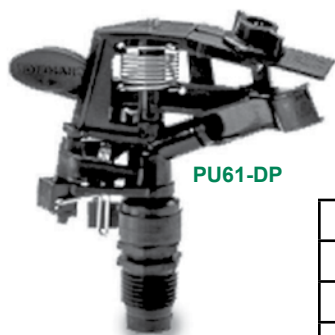


Plastic Impulse Sprinklers & Gear Drive Rotor

Plastic Impulse Sprinklers

Features

- Impact resistant ABS construction
- Diffuser pin and deflector shield
- Adjustable full or part circle coverage – Anti back-splash arm
- Spacing 29' to 45'



PU61-DP



LMG-B

Plastic Impulse Sprinkler

| Models | Description | CTN QTY | LBS/CTN |
|-----------|---|---------|---------|
| PU61-DP | 1/2" Male Threaded/Precision Arm | 24 | 5 |
| PU61-DP-C | 1/2" Male Threaded/Precision Arm - Carded | 12 | 4 |
| LMG-B | Plastic Pop-up Impulse Sprinkler - Boxed | 12 | 4 |

Gear Drive Rotor

Improved

Features

- High Pop-up – 4"
- For large areas, space 24' to 45' apart
- Adjustable full or part circle coverage – from 30 to 360 degrees
- Interchangeable nozzles for Matched Precipitation Rate (MPR)
- Stainless steel spring for positive retraction
- Easy to install and adjust
- Heavy-duty ABS construction
- Large filter keeps sprinkler free from debris
- Includes stem clamp, and nozzle adjustment tool
- Optimal operating range – 25 to 65 psi



RO-100

Plastic Gear Drive Rotor

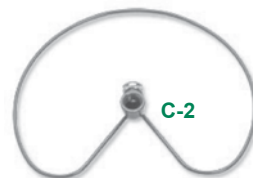
| Models | Description | CTN QTY | LBS/CTN |
|----------|--|---------|---------|
| RO-100 | Gear Drive Rotor, Full/Part Circle | 12 | 23 |
| RO-100-B | Gear Drive Rotor, Full/Part Circle - Boxed | 12 | 23 |

Accessories



Sprinkler Base

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|------------------------------|-----------------------|-----------------------|
| B-1 | 1/2" Female Pipe - 14" Round | 12 | 12 |
| C-2 | 3/4" Female Pipe - 14" Round | 12 | 13 |



G200-C



PVCT



WB



NEP-050-C

Service Accessories

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|--|-----------------------|-----------------------|
| G200-C | Pressure Gauge, 0-200 PSI, 3/4" FHT Swivel | 6 | 3 |
| NEP-050-C | 1/2" Plastic Nipple Extractor - One Piece Aluminum | 15 | 2 |
| PVCT | PVC Cutting Tool in Plastic Pouch | 12 | 9 |
| WB | Brass Sprinkler Head Wrench | 18 | 7 |

Drain Valves

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|------------------------------------|-----------------------|-----------------------|
| DV-050 | 1/2" Automatic Drain Valve - Brass | 50 | 4 |



DV-050



30-6
30-30

Valve Keys

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|---------------------------------|-----------------------|-----------------------|
| 30-6 | 6" Sprinkler Control Valve Key | 25 | 7 |
| 30-30 | 30" Sprinkler Control Valve Key | 12 | 8 |
| 30-54 | 54" Sprinkler Control Valve Key | 12 | 12 |

Brass Hose Nozzles

| <i>Models</i> | <i>Description</i> | <i>CTN QTY</i> | <i>LBS/CTN</i> |
|----------------------|---------------------------|-----------------------|-----------------------|
| 34 | 2" Hose Sweeper Nozzle | 24 | 3 |
| 35 | 6" Hose Sweeper Nozzle | 24 | 10 |



35
34



Repair Kits

| Kit No. | Repairs Pin | Description | For Products on Page No.(s) |
|----------------|---------------------------------|--|------------------------------------|
| RK-1C | 100,200,300 & 466 Series | 3/4" Stem Assembly Rebuild Kit | 5 & 6 |
| RK-2C | 100,200,300 & 466 Series | 1" Stem Assembly Rebuild Kit | 5 & 6 |
| RK-3C | 350 Series | Vacuum Breaker Gasket Set for 350 Anti-Siphon Valve | |
| RK-4C | 466-075 | 3/4" Anti-Siphon Replacement | 5 |
| RK-5C | 466-100 | 1" Anti-Siphon Replacement | 5 |
| RK-6C | 162-075 & 262-075 | 3/4" Vacuum Breaker Gasket Set & Float | 8 |
| RK-7C | 162-100 & 262-100 | 1" Vacuum Breaker Gasket Set & Float | 8 |
| RK-17C | AA Series & PAA Series | 3/4" & 1" AA & PAA Actuator Rebuilt Kit | 7 |
| RK-19C | B-400 Series & I-400 Series | Garden Valve Rebuild Kit | 21 |
| RK-23C | HB-1 Series, HB-2 Series | Hose Bib Repair Kit (Gasket, Washer & Screw) | 21 |
| RK-25C | CL Series | Classic Actuator Rebuild Kit 3/4" & 1" | 7 |
| RK-26C | CL-075, CL-100 | Classic Repair Kit (for use with 2004 and newer models) | 7 |
| RK-27C | PCL, PAA & PG Series | Plastic Bleed Screws (4pcs) | 4 & 7 |
| RK-28C | AA, CL PCL, PAA, PG & BG Series | Solenoid, Plunger & O-Ring (Open Yoke) | 3, 4 & 7 |
| RK-29C | AA, CL & BG Series | Brass Bleed Screws (2pcs) | 3, 4 & 7 |
| RK-30C | 100, 200, 300, 350 & 466 Series | Anti-Siphon Valve Rebuild Kit 3/4" Champion & Fairway Brass Valves (equivalent to RK-1C & RK-4C) | 5 & 6 |
| RK-31C | 100, 200, 300, 350 & 466 Series | Anti-Siphon Valve Rebuild Kit for 1" Champion & Fairway Brass Valves (equivalent to RK-2C & RK-5C) | 5 & 6 |

Garden Valves – 3/4" Hose Thread

Bent Nose (1/2" and 3/4" Now in One Part)

| New Model No. | Old Model No. | Description | CTN QTY |
|---------------|-----------------|----------------------------------|---------|
| 925 | B-400/B-401 | 1/2" FIP or 3/4" FIP | 6 |
| 930 | B-402 | 1" FIP | 6 |
| 925LK | B-400LK/B-401LK | 1/2" FIP or 3/4" FIP - Loose Key | 6 |
| 930LK | B-402LK | 1" FIP - Loose Key | 6 |

Inverted Nose*

| New Model No. | Old Model No. | Description | CTN QTY |
|---------------|---------------|-------------|---------|
| 950 | I-400 | 1/2" FIP | 25 |
| 975 | I-401 | 3/4" FIP | 25 |
| 980 | I-402 | 1" FIP | 25 |

* Add LK to new model number for loose key option.

Garden Valve Accessories

| New Model No. | Old Model No. | Description | CTN QTY |
|---------------|---------------|------------------------|---------|
| LK | LK | Garden Valve Loose Key | 50 |

Note: Part Numbers Have Changed for 2009.

See Page 2 & 3
for Arrow-Breaker®
Versions of All These
Products!

No-Kink Hose Bibbs

| New Model No. | Old Model No. | Description | CTN QTY | LBS/CTN |
|---------------|---------------|--|---------|---------|
| 251 | HB-1M | 3/4" x 1/2" MIP Hose Bibb | 20 | 11 |
| 253 | HB-1F | 3/4" x 1/2" FIP Hose Bibb | 20 | 10 |
| 351 | HB-2M | 3/4" x 3/4" MIP Hose Bibb | 20 | 11 |
| 353 | HB-2F | 3/4" x 3/4" FIP Hose Bibb | 20 | 10 |
| 59ABP | VBH | 3/4" Hose Bibb Vacuum Breaker | 50 | 13 |
| 301 | | Std Hose Bibb 1/2" MIP x 3/4" Hose Connection S.S.S. | 12 | 8.3 |
| 301SC | | Std Hose Bibb 1/2" MIP x 3/4" Hose Connection S.S.S., Self-Closing | 12 | 9.4 |
| 302 | | Std Hose Bibb 3/4" MIP x 3/4" Hose Connection S.S.S. | 12 | 8.8 |
| 302SC | | Std Hose Bibb 3/4" MIP x 3/4" Hose Connection S.S.S., Self-Closing | 12 | 9.8 |

Note: Part Numbers Have Changed for 2009.



900LK
925LK
930LK



950
975
980



253
353



59ABP



251
351



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| | |
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| Terms | Net 30 days after invoice date. All invoices mature from invoice date, not from receipt of invoice or material. |
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| Credit | Credit and eligibility for distributor prices must be established prior to initial order. Shipments will be held on accounts with unsatisfactory payment status. Past due accounts are subject to a monthly service charge. |
| Prices | Subject to change without notice. |
| Shortage | Factory must be notified within 5 days from receipt of goods or shipment will be considered complete. No debit memos will be accepted until the factory determines final disposition. |
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Champion-Arrowhead, hereinafter called "Company", warrants that parts and products manufactured by it shall be free from defects in material and workmanship, under normal use and service, for a period of three years from the date of purchase by the original buyer. This three-year period shall be known as the "warranty period." Company will replace or repair parts or refund the purchase price, at Company's discretion, products found to be defective during the warranty period. Company's liability is solely limited to original purchase price of the parts or products and no payment will be made for consequential or incidental costs or damages that may have been caused by part or product failure.

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Our product line is engineered to promote conservation and effective water management. Champion products are compatible with conservation programs and practices and provide significant value in conserving our precious water resources.

Notes...

[illegible]

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For over 70 years, Champion-Arrowhead has been known for quality products manufactured and assembled in the U.S.A.