

expanding on **82** years of experience



CHAMPION

CHAMPION
PLUMBING

REDIGRIP
- FITTINGS -

PRODUCT CATALOG

CHAMPION





PROUD TO BE LEAD FREE



no lead no worries

because your health matters

- the EPA regulations state that hose bibs and valves **MUST** be **LEAD FREE** if potable use can be anticipated.
- Champion-Arrowhead products are 3rd-party certified to Lead Free standard by IAPMO.
- pending changes to the EPA standards will likely require that all plumbing valves be LEAD FREE.

the Champion-Arrowhead mission

Champion-Arrowhead is a US-based manufacturer of plumbing valves and irrigation products with a rich history dating back to 1936. Our mission is to be the North American premier provider of these products and to stay true to our seven core values; customer commitment, quality, integrity, teamwork, respect, personal accountability, and good citizenship.

our seven core values

customer commitment

we strive to foster relationships that have a positive impact on our customers' success.

quality

we provide outstanding products and unsurpassed customer service that bring premium value to our customers every day.

integrity

we uphold the highest standards of integrity in all our actions.

teamwork

we work together across all functions to meet the needs of our customers and create a winning company culture.

respect

we value and respect our people, encourage their growth and celebrate their successes.

personal accountability

we are all accountable for delivering on our commitments.

good citizenship

we commit to being good citizens in the communities which we live and work and strive to improve the quality of life for communities in need.

CHAMPION





CHAMPION

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CHAMPION PLUMBING

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standard hose bibs

201LF & 202LF



features

- heavy duty lead-free bronze.
- IAPMO listed.
- exclusive one piece O-ring style bonnet and green tee handle.
- 3-year limited warranty.
- max pressure: 125 PSI.
- max temperature: 180° F.

base model	201LF	202LF
description	standard hose bib 1/2 MIP with shank lead free	standard hose bib 3/4 MIP with shank lead free
weight (lbs)	0.848	0.889
pack qty	6	6
case qty	36	36

301LF & 302LF



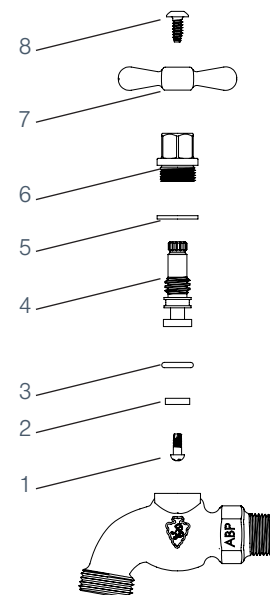
base model	301LF	302LF
description	standard hose bib 1/2 MIP lead free	standard hose bib 3/4 MIP lead free
weight (lbs)	0.695	0.737
pack qty	12	12
case qty	72	72

available options

loose key	anti-siphon back-flow preventer	QuickTurn®	self-closing	plain-end
# 301LKLF # 301LSLF LK: lock-shield with key LS: lock-shield; no key	# 301BFPLF factory installed vacuum breaker- ASSE 1011 certified	# 301QTLF easy on-off operation without letting go of the handle	# 301SCLF ADA approved; 5 lbs of pressure to operate	# 301PELF plain/no-thread outlet perfect for parks & camp-grounds

repair & replacement parts

<p>stem repair parts kit</p> <p># PK1000 seat washer (2) & screw (1), nylon washer (5) & handle screw (8)</p>	<p>replacement stem assembly</p> <p># PK1100 complete stem & bonnet replacement (1-6)</p>	<p>replacement tee handle & screw</p> <p># PK1270 green tee handle (7) & handle screw (8)</p>	<p>replacement loose key</p> <p># PK1300 loose key for LK style valves</p>
<p>QuickTurn® Stem Assembly</p> <p># PK-QTASSY QT stem assembly with lever handle & screw</p>	<p>loose key stem assembly</p> <p># PK1150 loose key & lock-shield stem assembly</p>	<p>replacement back-flow preventer</p> <p># 58BFP ASSE 1011; replacement fine thread vacuum breaker</p>	





no kink hose bibs

251LF - 351LF



252LF



253LF - 353LF



254CCLF



features

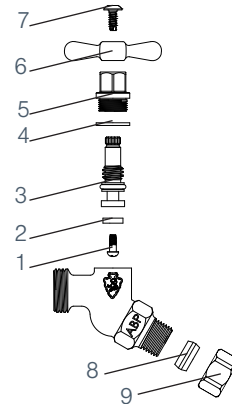
- heavy duty lead-free bronze: IAPMO listed.
- exclusive one piece O-ring style bonnet & green tee handle.
- 3-year limited warranty. max pressure: 125 PSI.
- max temperature: 180° F.

base model	251LF	351LF	252LF
description	no-kink hose bib 1/2 MIP lead free	no-kink hose bib 3/4 MIP lead free	no-kink hose bib 1/2 or 3/4 sweat lead free
weight (lbs)	0.556	0.612	0.569
pack qty	12	12	12
case qty	72	72	72

base model	253LF	353LF	245CCLF
description	no-kink hose bib 1/2 FIP lead free	no-kink hose bib 3/4 FIP lead free	no-kink hose bib 1/2 or 3/4 compression LF
weight (lbs)	0.5	0.541	0.625
pack qty	12	12	12
case qty	72	72	72

available options

loose key	ant-siphon back-flow preventer	QuickTurn®
# 251LKLF # 251LSLF LK: lock-shield with key LS: lock-shield; no key	# 253BFPLF Factory installed vacuum breaker- ASSE 1011 certified	# 252QTLF no adder easy on-off operation without letting go of the handle



repair & replacement parts

stem repair parts kit	replacement stem assembly	replacement tee handle & screw	1/2" copper compression kit	loose key stem assembly	QuickTurn® Stem Assembly	replacement back-flow preventer
# PK1000 seat washer (2) & screw (1), nylon washer (4) & handle screw (7)	# PK1100 complete stem & bonnet replacement (1-5)	# PK1270 green tee handle (6) & handle screw (7)	# PK1180 replacement compression nut (9) and ferrule (8)	# PK1150 loose key & lock-shield stem assembly	# PK-QTASSY QT stem assembly with lever handle & screw	# 58BFP ASSE 1011; replacement fine thread vacuum breaker

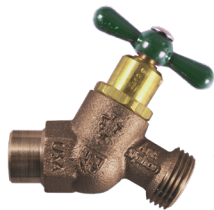


Arrow-Breaker® hose bibs

261LF - 361LF



262LF



263LF - 363LF



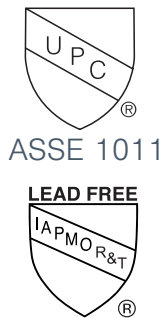
264CCLF



features

- heavy duty lead-free bronze.
- patented Arrow-Breaker®: built-in anti-siphon back-flow preventer that protects your water supply from harmful contaminants.
- ASSE 1011 approved, IAPMO certified.
- exclusive one piece O-ring style bonnet & green tee handle.
- 3-year limited warranty.
- max pressure: 125 PSI.
- max temperature: 180° F.
- high flow rate: 11-12 gallons per minute at 50 PSI.

base model	261LF	361LF	262LF
description	no-kink hose bib 1/2 MIP lead free	no-kink hose bib 3/4 MIP lead free	no-kink hose bib 1/2 or 3/4 SWT lead free
weight (lbs)	0.59	0.602	0.59
pack qty	12	12	12
case qty	72	72	72



base model	263	363LF	264CCLF
description	no-kink hose bib 1/2 FIP lead free	no-kink hose bib 3/4 FIP lead free	no-kink hose bib 1/2 compression lead free
weight (lbs)	0.518	0.552	0.59
pack qty	12	12	12
case qty	72	72	72

available options

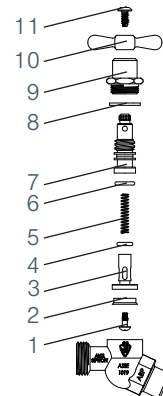
loose key & less key



261LKLF
LK: lock-shield with key
LS: lock-shield; no key

repair & replacement parts

<p>replacement stem assembly</p> <p># PK1600 replacement Arrow-Breaker® stem & bonnet assembly (1-9)</p>	<p>loose key stem assembly</p> <p># PK1600LK Arrow-Breaker® loose key & lock-shield stem assembly</p>	<p>replacement tee handle & screw</p> <p># PK1270 green tee handle (10) & handle screw (11)</p>	<p>1/2" copper compression kit</p> <p># PK1180 replacement compression nut and ferrule for 221CCRBLF</p>
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solid flange sillcocks

255LF & 355LF



features

- heavy duty lead-free bronze.
- IAPMO listed.
- exclusive one piece O-ring style bonnet & green oval handle.
- 3-year limited warranty.
- max pressure 125 PSI.
- max temperature 180° F.

base model	255LF	355LF
description	sillcock 1/2 FIP lead free	sillcock 3/4 FIP lead free
weight (lbs)	0.639	0.67
pack qty	6	6
case qty	36	36

255SWLF & 355SWLF



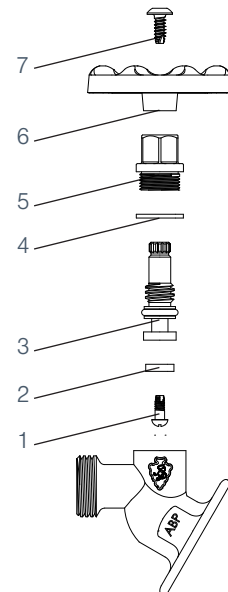
base model	255SWLF	355SWLF
description	sillcock 1/2 sweat lead free	sillcock 3/4 sweat lead free
weight (lbs)	0.694	0.67
pack qty	6	6
case qty	36	36

available options

<p>loose key</p> <p># 255LKLF # 255LSLF LK: Lock-shield with key LS: Lock-shield; no key</p>	<p>anti-siphon back-flow preventer</p> <p># 255BFPLF factory installed vacuum breaker- ASSE 1011 certified</p>	<p>self-draining vacuum breaker</p> <p># 255BFPSDLF self-draining anti-siphon vacuum breaker</p>	<p>QuickTurn®</p> <p># 255QTLF easy on-off operation without letting go of the handle</p>	<p>1/2" PEX Inlet</p> <p># 255PEXLF 1/2" PEX inlet</p>
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repair & replacement parts

<p>stem repair parts kit</p> <p># PK1000 seat washer (2) & screw (1), nylon washer (4) & handle screw (7)</p>	<p>replacement stem assembly</p> <p># PK1100 complete stem & bonnet replacement (1-6)</p>	<p>replacement oval handle & screw</p> <p># PK1290 green tee handle (6) & handle screw (7)</p>	<p>replacement loose key</p> <p># PK1300 loose key for LK style valves</p>
<p>QuickTurn® Stem Assembly</p> <p># PK-QTASSY QT stem assembly with lever handle & screw</p>	<p>loose key stem assembly</p> <p># PK1150 loose key & lock-shield stem assembly</p>	<p>replacement back-flow preventer</p> <p># 58BFP ASSE 1011; replacement fine thread vacuum breaker</p>	<p>self-draining vacuum breaker</p> <p># 59BFP ASSE 1019; self-draining vacuum breaker; fine thread</p>





Arrow-Breaker® sillcocks & garden valves

265LF - 365LF



265SWLF - 365SWLF



269LF



965LF



features

- heavy duty lead-free bronze.
- patented Arrow-Breaker®: built-in anti-siphon back-flow preventer that protects your water supply from harmful contaminants.
- ASSE 1011 approved, IAPMO certified.
- exclusive one piece O-ring style bonnet & green oval handle.
- 3-year limited warranty.
- max pressure: 125 PSI.
- max temperature: 180° F.
- high flow rate: 11-12 gallons per minute at 50 PSI.
- 965LF features nested 1/2" & 3/4" FIP threads.

base model	265LF	265SWLF	269LF
description	sillcock 1/2 FIP lead free	sillcock 1/2 sweat lead free	sillcock 1/2 PEX lead free
weight (lbs)	0.656	0.685	0.686
pack qty	6	6	6
case qty	36	36	36

base model	365LF	365SWLF	965LF
description	sillcock 3/4 FIP lead free	sillcock 3/4 sweat lead free	garden valve nested threads 1/2" & 3/4" FIP lead free
weight (lbs)	0.686	0.715	0.667
pack qty	6	6	6
case qty	36	36	36

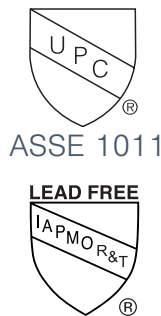
available options

loose key



265LKLF

LK: lock-shield with key
LS: lock-shield; no key



repair & replacement parts

replacement stem assembly



PK1600

replacement Arrow-Breaker® stem & bonnet assembly (1-9)

loose key stem assembly



PK1600LK

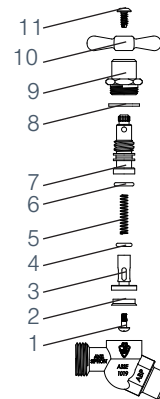
Arrow-Breaker® loose key & lock-shield stem assembly

replacement oval handle & screw



PK1290

green oval handle (10) & handle screw (11)





garden valves

925LF



930LF



975LF



980LF



features

- heavy duty lead-free bronze.
- IAPMO listed.
- 3-year limited warranty.
- max pressure: 125 PSI.
- max temperature: 180° F.
- 925LF & 975LF models feature dual "nested" 1/2" & 3/4" FIP threads.

base model	925LF	930LF	975LF	980LF
description	lead free 1/2" & 3/4" FIP nested threads	lead free garden valve-1" FIP inlet	lead free 1/2" & 3/4" inlet-inverted nose	lead free 1" FIP inlet-inverted nose
weight (lbs)	0.67	0.67	0.78	0.89
pack qty	6	6	6	6
case qty	36	36	36	36



- *Nested threads:
- 1/2" & 3/4" FIP Inlet

available options

loose key



925LKLF

925LSLF

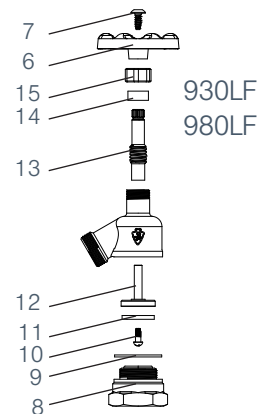
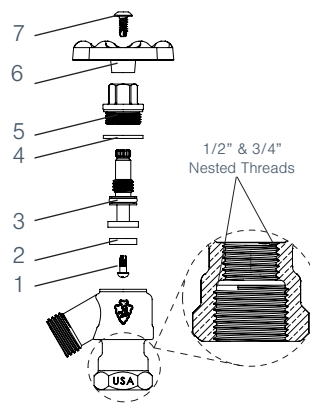
LK: lock-shield with key
LS: lock-shield; no key

anti-siphon back-flow
preventer



930BFPLF

factory installed
vacuum breaker-
ASSE 1011 certified



repair & replacement parts

replacement stem
925LF - 975LF



PK1140

complete stem &
bonnet assembly
(#'s 1-5)

replacement stem
930LF - 980LF



PK1130

complete stem,
washer & packing
assembly (#'s 10-15)

replacement oval
handle & screw



PK1290

green tee handle (6)
& handle screw (7)

replacement base
nut & gasket



PK1240

base nut & gasket
for 930LF & 980LF
garden valves (#'s
8 & 9)

replacement back-
flow preventer



58BFP

ASSE 1011;
replacement fine
thread vacuum
breaker



washing machine valves

221CCLF



247LF



248LF



249LF



250LF

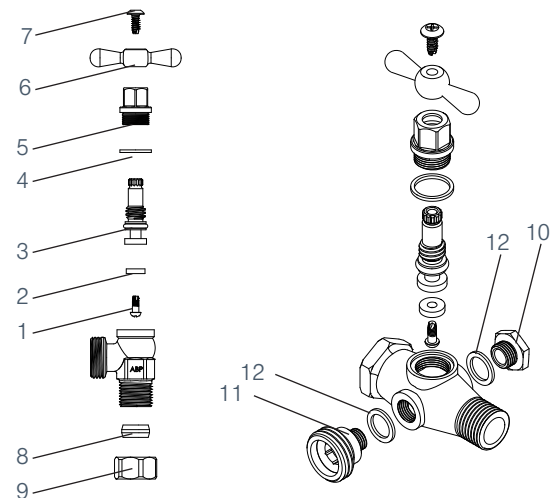


features

- heavy duty lead-free bronze.
- IAPMO listed.
- various configurations and connections with 1/2" pipe inlet.
- exclusive one piece O-ring style bonnet & burnished tee handle .
- satin/nickel plated finish.
- 3-year limited warranty.
- max pressure: 125 PSI.
- max temperature: 180° F.

base model	221CCLF	247LF	248LF
description	WMV 1/2 comp inlet x 3/4 M hose thread LF	WMV 1/2 FIP inlet x 3/4 hose thread LF	WMV 1/2 FIP x MIP reversible bypass w. side 3/4 thread LF
weight (lbs)	0.514	0.486	0.737
pack qty	12	12	12
case qty	72	72	72

base model	249LF	250LF
description	WMV 1/2 FIP x 3/4 M hose thread-top handle-LF	WMV 1/2 FIP x 1/2 MIP bypass w/ 3/4 bottom thread-LF
weight (lbs)	0.389	0.653
pack qty	24	12
case qty	144	72



repair & replacement parts

stem repair parts kit



PK1000 seat washer (2) & screw (1), nylon washer (4) & handle screw (7)

replacement stem assembly



PK1110 complete stem & bonnet replacement (1-5); nickel plated

replacement tee handle & screw



PK1260 burnished tee handle (6) & handle screw (7)

loose key stem assembly



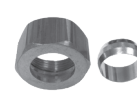
PK1155 loose key & lock-shield stem assembly; nickel plated

replacement hose, plug and washers



PK1200 replacement plug (9), hose connection (11) & washers(12) for 248LF

1/2" copper compression kit



PK1170 compression nut (9) and ferrule (8) for 221CCLF; nickel plated



boiler drains & evaporative cooler

221LF - 223LF



220LF - 222LF



221CCRBLF



225LF



240LF - 245LF



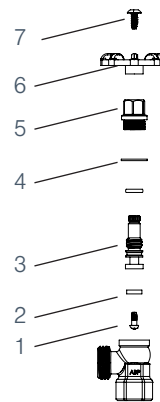
features

- heavy duty lead-free bronze.
- IAPMO listed
- exclusive one piece O-ring style bonnet.
- 3-year limited warranty.
- max pressure: 125 PSI.
- max temperature: 180° F.
- models 240LF and 245LF evaporative cooler valves include 1/8" side tap.

base model	220LF	221LF	221CCRBLF	222LF
description	boiler drain 3/4 FIP lead free	boiler drain 1/2 MIP lead free	boiler drain 1/2 compression lead free	boiler drain 1/2 FIP lead free
weight (lbs)	0.569	0.444	0.514	0.486
pack qty	12	12	12	12
case qty	72	72	72	72

base model	223LF	223SWLF	225LF	240LF
description	boiler drain 3/4 MIP lead free	boiler drain 3/4 sweat lead free	inverted nose boiler drain 1/2 MIP lead free	evap cooler valve 3/4 FIP inlet w-1/8 tap-LF
weight (lbs)	0.458	0.458	0.49	0.556
pack qty	12	12	12	12
case qty	72	72	72	72

base model	245LF
description	evap cooler valve 3/4 hose inlet w-1/8 tap - LF
weight (lbs)	0.556
pack qty	12
case qty	72



stem repair parts kit



PK1000 seat washer (2) & screw (1), nylon washer (4) & handle screw (7)

replacement stem assembly



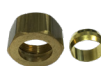
PK1100 complete stem & bonnet replacement (1-5)

wheel handle & screw



PK1250 replacement green wheel handle (6) & handle screw (7)

1/2" copper compression kit



PK1180 replacement compression nut and ferrule for 221CCRBLF

QuickTurn® stem assembly



PK-QTASSY QT stem assembly with lever handle & screw

loose key stem assembly



PK1150 replacement loose key & lock-shield stem assembly

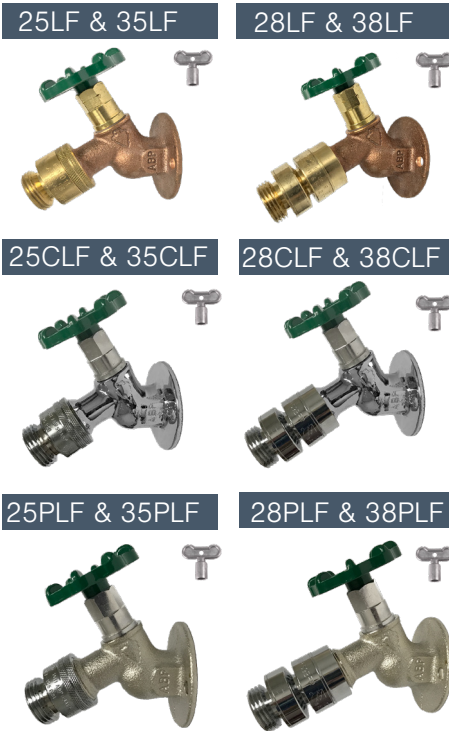
replacement back-flow preventer



58BFP ASSE 1011; replacement fine thread vacuum breaker



commercial sillcocks



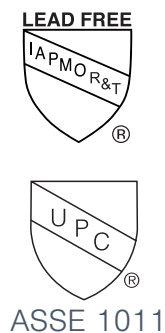
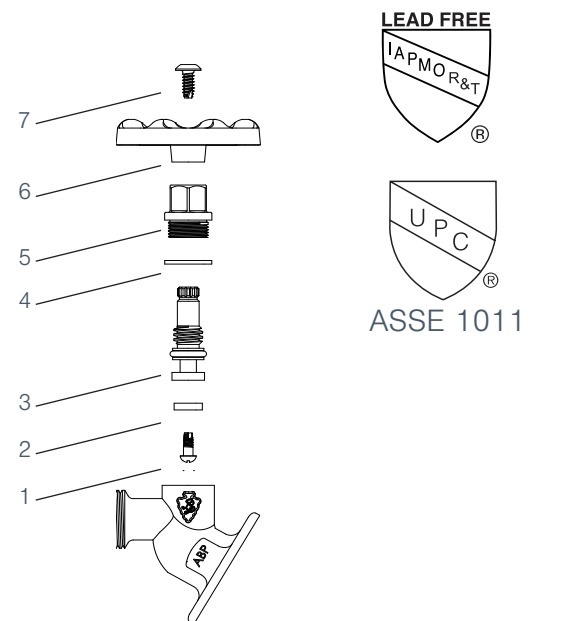
features

- heavy duty lead-free bronze: IAPMO listed
- loose-key with handle
- anti-siphon
- 3-year limited warranty
- max pressure: 125 PSI
- max temperature: 180° F
- individually packaged

base model	25LF	25CLF	25PLF
description	1/2" FIP brass	1/2" FIP chrome plated	1/2" FIP nickel plated
base model	25SWLF	25SWCLF	25SWPLF
description	1/2" copper sweat brass	1/2" copper sweat chrome plated	1/2" copper sweat nickel plated
base model	35LF	35CLF	35PLF
description	3/4" FIP	3/4" FIP	3/4" FIP
base model	35SWLF	35SWCLF	35SWPLF
description	3/4" copper sweat brass	3/4" copper sweat chrome plated	3/4" copper sweat nickel plated
base model	28LF	28CLF	28PLF
description	1/2" FIP self-draining	1/2" FIP self-draining chrome plated	1/2" FIP self-draining nickel plated
base model	28SWLF	28SWCLF	28SWPLF
description	1/2" copper sweat self-draining	1/2" copper sweat self-draining chrome plated	1/2" copper sweat self-draining nickel plated
base model	38LF	38CLF	38PLF
description	3/4" FIP self-draining	3/4" FIP self-draining chrome plated	3/4" FIP self-draining nickel plated
base model	38SWLF	38SWCLF	38SWPLF
description	3/4" copper sweat self-draining	3/4" copper sweat self-draining chrome plated	3/4" copper sweat self-draining nickel plated

repair & replacement parts

<p>stem repair parts kit</p> <p># PK1000 seat washer (2) & screw (1), nylon washer (4) & handle screw (7)</p>	<p>loose key stem assembly</p> <p># PK1150 loose key & lock-shield stem assembly</p>	<p>replacement oval handle & screw</p> <p># PK1250LK green wheel handle (6) & handle screw (7)</p>	<p>replacement loose key</p> <p># PK1300 loose key for LK style valves</p>
<p>replacement back-flow preventer</p> <p># 58BFP ASSE 1011; replacement fine thread vacuum breaker</p>	<p>self-draining vacuum breaker</p> <p># 59BFP ASSE 1019; self-draining vacuum breaker; fine thread</p>		





log lighter valves & kits

258 series



259 series



258KIT - 259KIT



258LLB



258LPA



features

- high quality bronze construction.
- 1/2" female iron pipe connections.
- IAPMO certified, class 3371-08 / 3371-88, ANSI Z21.15/CSA 9.1.
- teflon seat washer.
- valves are rated at 154,000 BTU per hour rating at a 1.0" water column.
- log lighter bar has three 1/2" IPS inlets with 2 countersunk plugs.
- all valves are tested to 100 PSI.
- log lighter keys have 5/16" square drive.



base model	258	258KIT	258LP	258NC
description	1/2 FIP straight gas log lighter w/chrome flange & key	1/2 straight gas log lighter w/chrome flange & key LL bar	1/2 FIP straight propane log lighter chrome flange & key	1/2 straight gas log lighter valve only
weight (lbs)	1.194	3.887	1.194	0.81
pack qty	6	1	6	12
case qty	36	1	36	72

base model	259	259KIT	259LP	259NC
description	1/2 angle gas log lighter w/chrome flange & key	1/2 angle gas log light w/chrome flange & key LL bar	1/2 FIP angle propane log lighter chrome flange & key	1/2 angle gas log lighter valve only
weight (lbs)	1.194	3.887	1.194	0.81
pack qty	6	1	6	12
case qty	36	1	36	72

base model	258LLB	258-LPA
description	Log Lighter Bar	Liquid Propane adapter
weight (lbs)	2.68	1
pack qty	1	1
case qty	12	12

valve accessories

chrome key & flange	polished brass key & flange	polished brass key	log lighter key	flange - polished brass	flange - chrome	12" log lighter key
# PK1320 replacement key & flange for Arrowhead log lighter valves	# PK1330 polished brass key & flange for Arrowhead log lighter valves	# 51PB # PK1340 LL key - polished brass (PK- retail packaged)	# 51 # PK1345 standard LL key (PK - retail packaged)	# 44PB polished brass log lighter valve flange	# 44 chrome log lighter valve flange	# 52-12 12" LL key



frost-proof wall hydrants

Frost-Proof model # identification:

4 5 6 - 0 4 L F

Frost-Proof wall hydrants
(first digit "4")

hydrant series:
see following pages
for information

LEAD FREE

all Frost-Proof hydrants are
ANSI/NSF 372 certified by
IAPMO Laboratories

hydrant length:

wall thickness available in
02", 04", 06", 08", 10", 12", & 14"
(see diagram below for more details)

inlet connection types:

<u>1</u>	3/4" Uponor Style Pex		1.7"
<u>2</u>	1/2" Uponor style Pex		1.6"
<u>5</u>	dual connections: 1/2" female pipe thread ID. 3/4" male pipe thread OD.		1.75"
<u>6</u>	dual connections 1/2" copper sweat ID. 1/2" male pipe thread OD.		1.75"
<u>7</u>	3/4" PEX (crimp type)		1.4"
<u>8</u>	dual connections: 3/4" copper sweat ID. 3/4" male pipe thread OD.		1.8"
<u>9</u>	1/2" PEX (crimp type)		1.4"

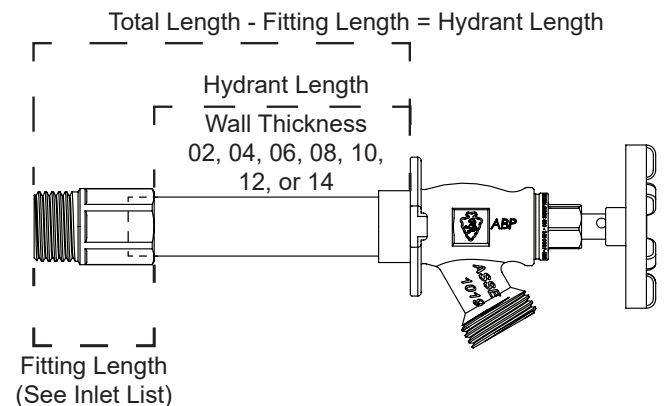
how to measure a Frost-Proof stem:

- 1- identify the model of frost-proof hydrant installed
- 2- measure overall length of the stem assembly



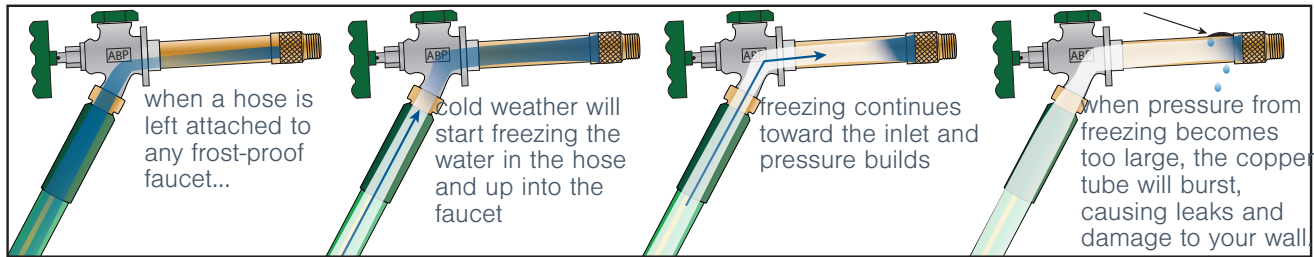
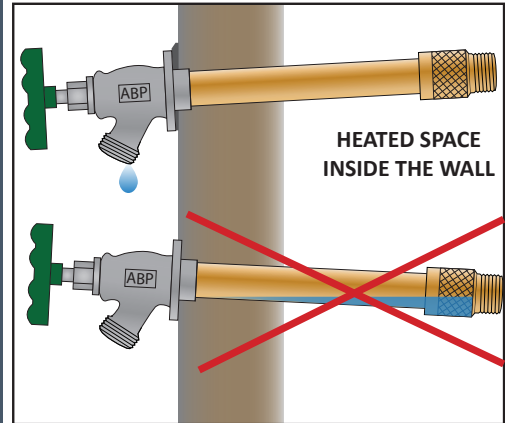
- 3- subtract 4" & add to PK #:
 - PK2004: 8" overall length stem for 420 Series hydrant with 4" wall depth

hydrant dimensions



frost-proof installation and use guide

- frost-proof wall hydrants are designed to prevent damage from freezing water in plumbing systems. frost-proof wall hydrants separate the water supply from the cold weather by shutting-off flow at the heated area inside wall.
- for a frost-proof wall hydrant to work properly, it must be installed at a slight downward angle toward the spout (as shown to right) so water will drain when it is shut-off. The gap spacer wedge sold with every arrowhead frost-proof hydrant should be used to ensure proper installation with a downward tilt.
- if the hydrant is installed level or at an upward angle, water will not drain properly and may freeze inside the faucet and cause the copper tube to burst.



when a hose or other restriction is left attached to the faucet (such as an irrigation timer, “y” hose splitter, or add-on back-flow preventer), water will not drain from the faucet properly. water inside the hose will begin to freeze upward toward the back, or “seat”, of the faucet, and the pressure inside the copper tubing will exceed capacity and burst. this will cause leaks within the wall, usually after some time when the faucet is turned on next, and can cause considerable damage. frost-proof wall hydrants are designed in such a way that this sort of damage can be avoided as long as the user ensures the faucets are angled downward and all hoses/devices are removed so the faucets can drain.

the only cause of a burst frost-proof hydrant is water expansion from freezing inside the copper tube that was not drained properly. properly installed valves (with downward tilt) will always drain unless a hose or other device was left attached.

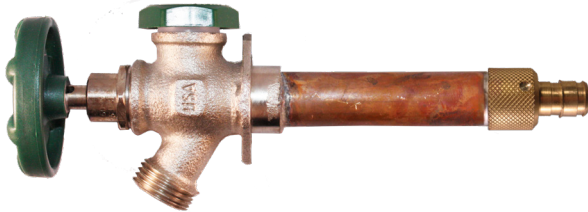


- gray gap spacer included with every wall hydrant. Labeled: “REMOVE HOSE IN FREEZING WEATHER”
- use to tilt hydrant downward to allow draining.







420 series anti-siphon wall hydrants

422-04QTLF



Frost-Proof
Anti-Siphon
Lead-Free
QuickTurn®



base model	description		case qty
421-xxQTLF	420 series anti-siphon wall hydrant, 3/4" Uponor		24
422-xxQTLF	420 series anti-siphon wall hydrant, 1/2" Uponor		24
425-xxQTLF	420 series anti-siphon wall hydrant, 1/2" FIP & 3/4" MIP		24
426-xxQTLF	420 series anti-siphon wall hydrant, 1/2" MIP & sweat		24
427-xxQTLF	420 series anti-siphon wall hydrant, 3/4" PEX		24
428-xxQTLF	420 series anti-siphon wall hydrant, 3/4" MIP & sweat		24
429-xxQTLF	420 series anti-siphon wall hydrant, 1/2" PEX		24

features

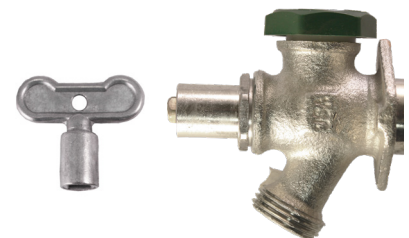
- heavy pattern lead-free bronze: IAPMO listed.
- exclusive O-ring bonnet & stem design.
- integral anti-siphon back-flow prevention: ASSE 1019-A approved, IAPMO certified.
- includes QuickTurn® style operation: easy on/off without letting go of the handle.
- rubber coated oval handle.
- available in 2, 4, 6, 8, 10, 12 & 14 inch lengths (longer lengths available by special order).



ASSE 1019-A: Anti-Siphon
NSF/ANSI 372: Lead Free

available option

removable loose key
lock-shield
insert "LK": 425-04LKLF



loose key
lock-shield & removable loose key to prevent use without the key



420 series repair instructions:

leaking out of the weep hole during use:

- cause: worn out O-ring on inside of check assembly. occurs over time or if the faucet is left "ON" for long periods of time.
- solution: faucet installed after 1999 or the faucet stem check assembly is spring-less replace with PK2016 check assembly or full stem PK2004-PK2014.

leaking faucet with spring-loaded check:

- cause: worn out parts and seals
- solution: replace stem assembly with a "SP" stem (PK-2004SP-PK2014SP) with added 1/4 " length or replace hydrant.

leaking out of the green cap air-vent:

- cause: worn, broken or missing parts.
- solution: remove old parts and replacing with PK1430 components.
- follow assembly diagram.

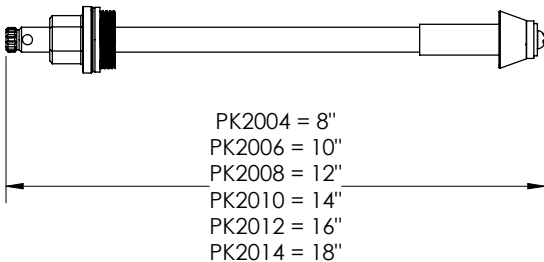
leaking when "OFF":

- cause: worn washer or broken faucet seat.
- solution: replace the check-assembly or entire stem.
- if replacement parts do not work, contact Champion-Arrowhead.

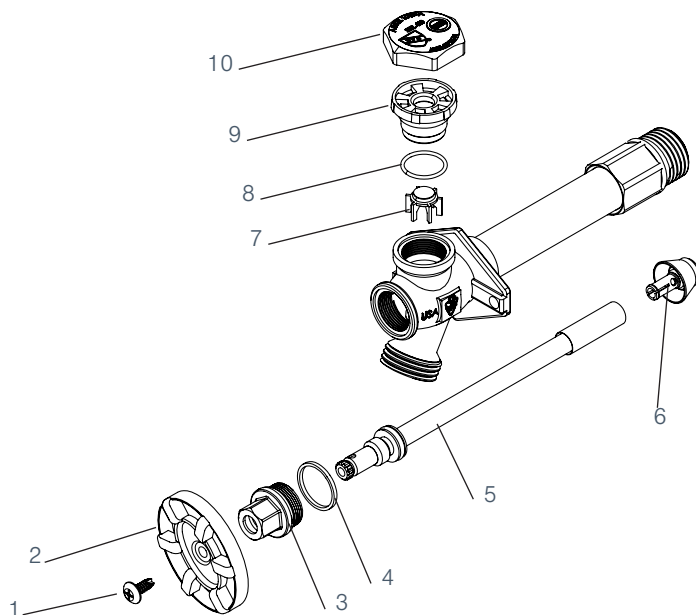
repair & replacement parts

<p>air-vent assembly</p> <p># PK1430 includes green cap, housing, plunger, & O-ring (#'s 7-10)</p>	<p>rubber-coated handle & screw</p> <p># PK1295 rubber-coated green oval handle (# 2) & stainless screw (# 1)</p>	<p>spring-less check assembly</p> <p># PK2016 replacement spring-less check assembly (# 6)</p>	<p>gap-spacer wedge</p> <p># PK1450 replacement gap spacer, used to tilt faucet downward</p>	<p>420 series 4" stem assembly</p> <p># PK2004 4-inch hydrant stem assembly (# 3-6) (8" total length)</p>	<p>420 series 6" stem assembly</p> <p># PK2006 6-inch hydrant stem assembly (# 3-6) (10" total length)</p>	<p>420 Series 8" Stem Assembly</p> <p># PK2008 8-inch hydrant stem assembly (# 3-6) (12" total length)</p>
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<p>420 series 10" stem assembly</p> <p># PK2010 10-inch hydrant stem assembly (# 3-6) (14" total length)</p>	<p>420 series 12" stem assembly</p> <p># PK2012 12-inch hydrant stem assembly (# 3-6) (16" total length)</p>	<p>420 series 14" stem assembly</p> <p># PK2014 14-inch hydrant stem assembly (# 3-6) (18" total length)</p>
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*for 420 series hydrants installed prior to 1999, use PK20__SP stem assembly to replace old style stems that have a spring check assembly. contact Champion-Arrowhead for more details





450 series standard wall hydrants

456-04LF



- Frost-Proof
- Anti-Siphon
- Lead-Free
- QuickTurn®

base model	description		case qty
451-xxLF	450 series standard wall hydrant, 3/4" Uponor		24
452-xxLF	450 series standard wall hydrant, 1/2" Uponor		24
455-xxLF	450 series standard wall hydrant, 1/2" FIP & 3/4" MIP		24
456-xxLF	450 series standard wall hydrant, 1/2" MIP & SWEAT		24
57-xxLF	450 series standard wall hydrant, 3/4" PE		24
458-xxLF	450 series standard wall hydrant, 3/4" MIP & SWEAT		24
459-xxLF	450 series standard wall hydrant, 1/2" PEX		24

features

- heavy pattern lead free bronze: NSF/ANSI 372 certified, IAPMO listed.
- exclusive O-ring bonnet and stem design.
- green oval handle.
- available in 2, 4, 6, 8, 10, 12 & 14 inch lengths (longer lengths available by special order).
- does not offer anti-siphon protection; not code approved.



available option

removable loose key
lock-shield
insert "LK": 455-04LKLF



loose key
lock-shield & removable loose key to prevent use without the key



450 series repair instructions:

leaking when "OFF":

- cause: worn out washer or broken faucet seat.
- replace entire stem [PK8004-PK8014]-suggested.
- replace seat washer & screw at end of the stem [PK1000].
- if original stem is not a standard length (even lengths 4"-18" total length), special order stems are available.

leaking out of the packing nut or bonnet:

- cause: loose bonnet or worn out seals in the bonnet.
- if the bonnet has the old 2-piece style with graphite packing, suggested to replace stem [PK8004-PK8014].
- if the bonnet is the new O-ring style, repair stem with PK1000.

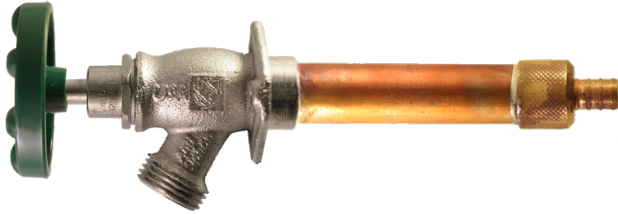
repair & replacement parts

<p>stem rebuild kit</p> <p># PK1000 seat washer (# 6) & screw (7), nylon washer (4) & handle screw (1)</p>	<p>green oval handle & screw</p> <p># PK1295 green oval handle (# 2) & stainless screw (# 1)</p>	<p>gap-spacer wedge</p> <p># PK1450 replacement gap spacer, used to tilt faucet downward</p>	<p>450 series 4" stem assembly</p> <p># PK8004 4-inch hydrant stem assembly (#'s 3-7) (8" total length)</p>	<p>450 series 6" stem assembly</p> <p># PK8006 6-inch hydrant stem assembly (#'s 3-7) (10" total length)</p>	<p>450 series 8" stem assembly</p> <p># PK8008 8-inch hydrant stem assembly (#'s 3-7) (12" total length)</p>	<p>450 series 10" stem assembly</p> <p># PK8010 10-inch hydrant stem assembly (#'s 3-7) (14" total length)</p>
<p>450 series 12" stem assembly</p> <p># PK8012 12-inch hydrant stem assembly (#'s 3-7) (16" total length)</p>	<p>450 series 14" stem assembly</p> <p># PK8014 14-inch hydrant stem assembly (#'s 3-7) (18" total length)</p>	<p>PK8004 = 8" PK8006 = 10" PK8008 = 12" PK8010 = 14" PK8012 = 16" PK8014 = 18"</p>				



460 series Arrow-Breaker® wall hydrants

469-04QTLF



- Frost-Proof
- Anti-Siphon
- Lead-Free
- QuickTurn®



base model	description	case qty
461-xxQTLF	460 series anti-siphon wall hydrant, 3/4" Uponor	24
462-xxQTLF	460 series anti-siphon wall Hydrant, 1/2" Uponor	24
465-xxQTLF	460 series anti-siphon wall hydrant, 1/2" FIP & 3/4" MIP	24
466-xxQTLF	460 series anti-siphon wall Hydrant, 1/2" MIP & Sweat	24
467-xxQTLF	460 series anti-siphon wall hydrant, 3/4" PEX	24
468-xxQTLF	460 series anti-siphon wall hydrant, 3/4" MIP & sweat	24
469-xxQTLF	460 series anti-siphon wall hydrant, 1/2" PEX	24

features

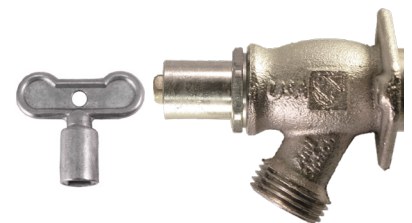
- heavy pattern lead-free bronze: NSF/ANSI 372 certified lead free, IAPMO listed.
- patented Arrow-Breaker integral anti-siphon back-flow prevention: ASSE 1019-A approved, IAPMO certified.
- includes QuickTurn® style operation: easy on/off without letting go of the handle.
- exclusive O-ring bonnet & stem design with rubber coated oval handle.
- available in 2, 4, 6, 8, 10, 12 & 14 inch lengths (longer lengths available by special order, contact Champion-Arrowhead for details).



ASSE 1019-A: Anti-Siphon
NSF/ANSI 372: Lead Free

available option

removable loose key
lock-shield
insert "LK": 465-04LKLF



loose key
lock-shield & removable loose key to prevent use without the key



460 series Arrow-Breaker® repair instructions:

leaking hose thread when off:

- cause: worn out washer or broken faucet seat.
- repair by replacing the spring-less check assembly (PK6026) or replacing the entire stem assembly (PK6004-PK6014).
- if faucet continues to leak when OFF, the faucet seat might be broken and the faucet will need to be replaced.










leaking out of the packing nut or bonnet:

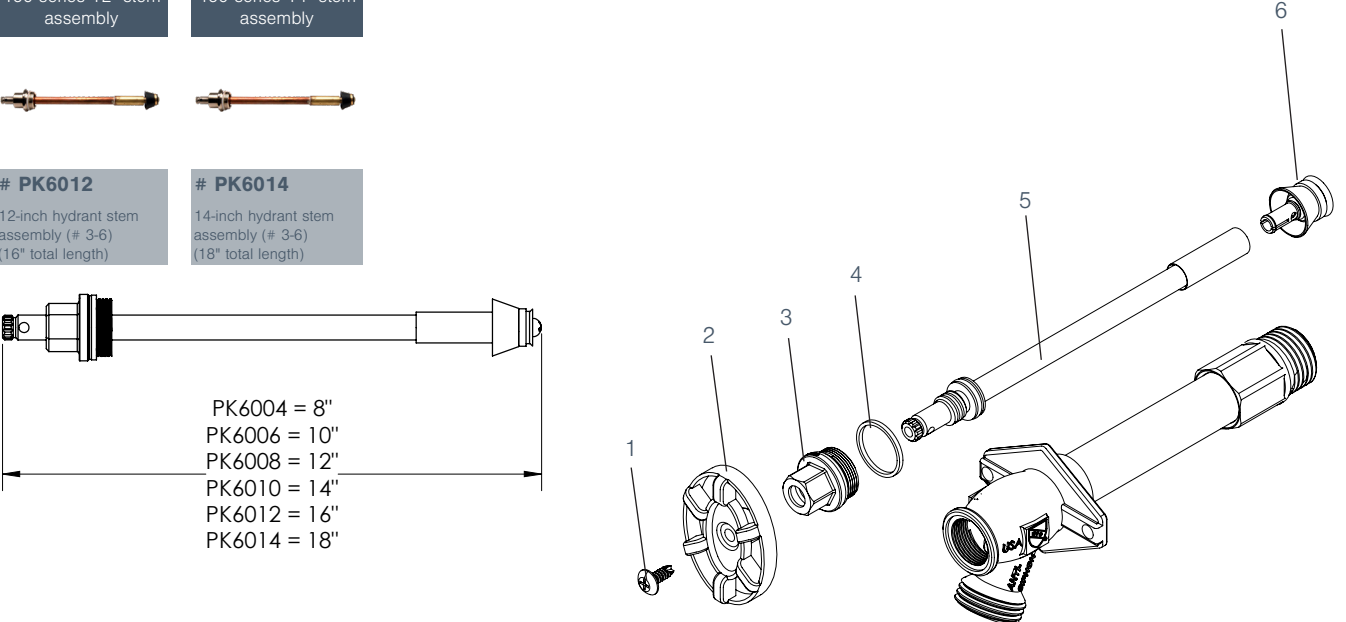
- cause: loose bonnet or worn out seals in the bonnet.
- if tightening the bonnet does not stop leaking from the threads, replace nylon washer (in PK1000) or the entire stem (PK6004-PK6014).

leaking out of the Weep Hole during use:

- cause: worn out O-ring on the check assembly. this happens over time or if the faucet is left "ON" for long periods of time (over 12 hrs).
- repair by replacing the spring-less check assembly (PK6026).
- if the leak still occurs, replace the entire stem assembly (PK6004-PK6014).

repair & replacement parts

 <p>rubber-coated handle & screw</p>	 <p>spring-less check assembly</p>	 <p>gap-spacer wedge</p>	 <p>460 series 4" stem assembly</p>	 <p>460 series 6" stem assembly</p>	 <p>460 series 8" stem assembly</p>	 <p>460 series 10" stem assembly</p>
<p># PK1295</p> <p>rubber-coated green oval handle (# 2) & stainless screw (# 1)</p>	<p># PK6026</p> <p>replacement spring-less check assembly (# 6)</p>	<p># PK1450</p> <p>replacement gap spacer, used to tilt faucet downward</p>	<p># PK6004</p> <p>4-inch hydrant stem assembly (# 3-6) (8" total length)</p>	<p># PK6006</p> <p>6-inch hydrant stem assembly (# 3-6) (10" total length)</p>	<p># PK6008</p> <p>8-inch hydrant stem assembly (# 3-6) (12" total length)</p>	<p># PK6010</p> <p>10-inch hydrant stem assembly (# 3-6) (14" total length)</p>
 <p>460 series 12" stem assembly</p>	 <p>460 series 14" stem assembly</p>					
<p># PK6012</p> <p>12-inch hydrant stem assembly (# 3-6) (16" total length)</p>	<p># PK6014</p> <p>14-inch hydrant stem assembly (# 3-6) (18" total length)</p>					



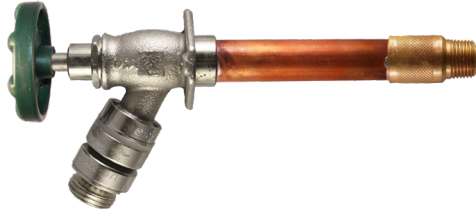
1: rubber-coated green oval handle & stainless screw
 2: rubber-coated green oval handle
 3: stem assembly
 4: O-ring
 5: stem assembly
 6: spring-less check assembly

PK6004 = 8"
 PK6006 = 10"
 PK6008 = 12"
 PK6010 = 14"
 PK6012 = 16"
 PK6014 = 18"



480 series self-draining A-S wall hydrants

486-04LF



- Frost-Proof ✓
- Anti-Siphon ✓
- Self-Draining ✓
- Lead-Free ✓

base model	description		Case Qty
481-xxLF	480 series anti-siphon wall hydrant, 3/4" Uponor		24
482-xxLF	480 series anti-siphon wall hydrant, 1/2" Uponor		24
485-xxLF	480 series anti-siphon wall hydrant, 1/2" FIP & 3/4" MIP		24
486-xxLF	480 series anti-siphon wall hydrant, 1/2" MIP & sweat		24
487-xxLF	480 series anti-siphon wall hydrant, 3/4" PEX		24
488-xxLF	480 series anti-siphon wall hydrant, 3/4" MIP & sweat		24
489-xxLF	480 series anti-siphon wall hydrant, 1/2" PEX		24

features

- heavy pattern lead-free bronze: NSF/ANSI 372 certified lead free, IAPMO listed.
- exclusive O-ring bonnet & stem design.
- external self-draining vacuum breaker: drains hydrant upon shut-off to prevent freezing.
- ASSE 1019-A approved, IAPMO certified.
- rubber coated oval handle.
- available in 2, 4, 6, 8, 10, 12 & 14 inch lengths (longer lengths available by special order).



ASSE 1019-A: Anti-Siphon
NSF/ANSI 372: Lead Free

available option

removable loose key
lock-shield
insert "LK": 485-04LKLF



loose key
lock-shield & removable loose key to prevent use without the key



480 series self-draining A-S wall hydrants

leaking when off:

- cause: worn out washer or broken faucet seat.
- replace stem (PK8004 - PK8014) or rebuild stem with part kit PK1000.
- if leak persists, replace the faucet.

leaking vacuum breaker:

- cause: worn out gasket and seals caused by age or when left pressurized (turned on) for long periods of time.
- repair by replacing vacuum breaker with PK1390 or 59BFPCHR.
- ensure all sections of vacuum breaker have been removed.
- use liquid thread sealant when installing replacement vacuum breaker.
- once installed, pressurize the faucet by attaching a hose and closed-nozzle to the faucet and turning on full.

repair & replacement parts

<p>stem rebuild kit</p> <p># PK1000 seat washer (6) & screw (7), nylon washer (4) & handle screw (1)</p>	<p>rubber-coated handle & screw</p> <p># PK1295 rubber-coated green oval handle (# 2) & stainless screw (# 1)</p>	<p>self-draining vacuum breaker</p> <p># PK1390 # 59BFPCHR self-draining vacuum breaker- fine threads; PK- retail package (# 8)</p>	<p>gap-spacer wedge</p> <p># PK1450 replacement gap spacer, used to tilt faucet downward</p>	<p>480 series 4" stem assembly</p> <p># PK8004 4-inch hydrant stem assembly (# 3-7) (8" total length)</p>	<p>480 series 6" stem assembly</p> <p># PK8006 6-inch hydrant stem assembly (# 3-7) (10" total length)</p>	<p>480 series 8" stem assembly</p> <p># PK8008 8-inch hydrant stem assembly (# 3-7) (12" total length)</p>
<p>480 series 10" stem assembly</p> <p># PK8010 10-inch hydrant stem assembly (# 3-7) (14" total length)</p>	<p>480 series 12" stem assembly</p> <p># PK8012 12-inch hydrant stem assembly (# 3-7) (16" total length)</p>	<p>480 series 14" stem assembly</p> <p># PK8014 14-inch hydrant stem assembly (# 3-7) (18" total length)</p>				

PK8004 = 8"
PK8006 = 10"
PK8008 = 12"
PK8010 = 14"
PK8012 = 16"
PK8014 = 18"



490 series hot & cold A-S hydrants

496-04LF



496-04VLF



- Frost-Proof ✓
- Hot & Cold ✓
- Anti-Siphon ✓
- Lead-Free ✓

base model	description	case qty
491-xxLF	490 series hot & cold anti-siphon wall hydrant, 3/4" Uponor	24
492-xxLF	490 series hot & cold anti-siphon wall hydrant, 1/2" Uponor	24
495-xxLF	490 series hot & cold anti-siphon wall hydrant, 1/2" FIP & 3/4" MIP	24
496-xxLF	490 series H/C anti-siphon wall hydrant, 1/2" MIP & sweat	24
497-xxLF	490 series hot & cold anti-siphon wall hydrant, 3/4" PEX	24
498-xxLF	490 series H/C anti-siphon wall hydrant, 3/4" MIP & sweat	24
499-xxLF	490 series hot & cold anti-siphon wall hydrant, 1/2" PEX	24

features

- heavy pattern lead-free bronze: NSF/ANSI 372 certified lead free, IAPMO listed.
- hot & cold mixing, with color coded red & blue handles.
- external self-draining vacuum breaker: drains hydrant upon shut-off to prevent freezing.
- ASSE 1019-A approved, IAPMO certified.
- exclusive O-ring bonnet & stem design.
- rubber coated oval handle.
- dual back-flow protection with internal anti-siphon check valves to prevent mixed temperature back-flow.
- available in 4, 6, 8, 10, 12 & 14 inch lengths (longer lengths available by special order).



ASSE 1019-A: Anti-Siphon
NSF/ANSI 372: Lead Free



490 series hot & cold A-S hydrants

leaking when off:

- cause: worn out washer or broken faucet seat.
- replace stem (PK9004 - PK9014 / PK9004V - PK9014V) or rebuild stem with part kit PK1000.
- if leak persists, replace the faucet.

leaking vacuum breaker:

- cause: worn out gasket and seals caused by age or when left pressurized (turned on) for long periods of time.
- repair by replacing vacuum breaker with PK1390 or 59BFPCHR.
- ensure all sections of vacuum breaker have been removed.
- use liquid thread sealant when installing replacement vacuum breaker.
- once installed, pressurize the faucet by attaching a hose and closed-nozzle to the faucet and turning on full.

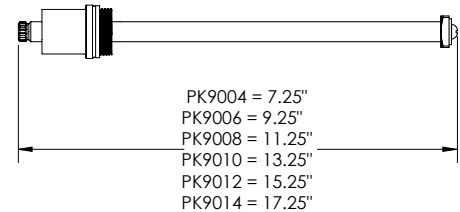
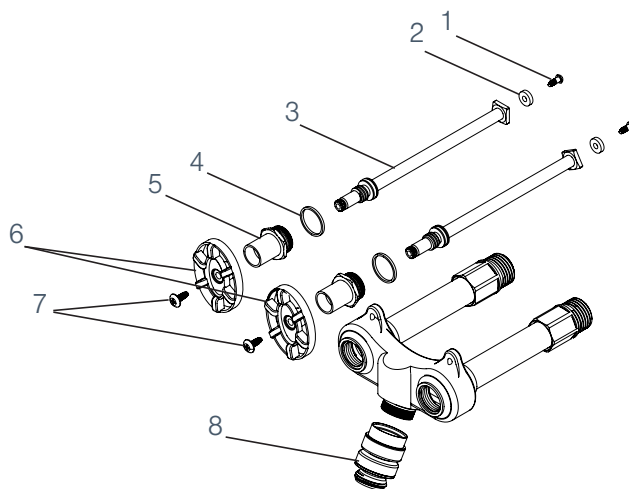
repair & replacement parts

<p>stem assembly rebuild kit</p> <p># PK1000 replacement seat washer (1), washer screw (2), & bonnet washer (4)</p>	<p>red & blue handles & screws</p> <p># PK1299 red & blue oval handles (# 6) & stainless screws (# 7)</p>	<p>self-draining vacuum breaker</p> <p># PK1390 # 59BFPCHR self-draining vacuum breaker- fine threads; PK- retail package (# 8)</p>	<p>490 series 4" stem assembly</p> <p># PK9004 4-inch hydrant stem assembly (# 1-5) (8" total length)</p>	<p>490 series 6" stem assembly</p> <p># PK9006 6-inch hydrant stem assembly (# 1-5) (10" total length)</p>	<p>490 series 8" stem assembly</p> <p># PK9008 8-inch hydrant stem assembly (# 1-5) (12" total length)</p>	<p>490 series 10" stem assembly</p> <p># PK9010 10-inch hydrant stem assembly (# 1-5) (14" total length)</p>
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490 series 12" stem assembly



PK9012
12-inch hydrant stem assembly (# 1-5) (16" total length)



vacuum breakers

58ABP



58ABPCHR



58BFP - PK1360



58BFPCHR - PK1370



features

- lead free back-flow preventers: protect your drinking water from harmful contaminants.
- hose thread (ABP) & fine thread (BFP) models.
- ASSE 1011 approved; IAPMO listed.
- individually boxed or in “PK” clamshell.
- imported, made in China.



base model	58ABP	58ABPCHR
description	vacuum breaker-3/4" hose thread	vacuum breaker 3/4" hose thread chrome plated
weight (lbs)	0.204	0.204
pack qty	20	20
case qty	72	72

base model	58BFP	PK1360	58BFPCHR	PK1370
description	vacuum breaker 3/4" fine thread	vacuum breaker 3/4" fine thread (clamshell)	vacuum breaker 3/4" fine thread chrome plated	vacuum breaker 3/4" fine thread chrome plated-clam
weight (lbs)	0.204	0.204	0.204	0.737
pack qty	20	12	20	12
case qty	72	72	72	72



self-draining vacuum breakers

59ABP



59ABPCHR



59BFP - PK1380



59BFPCHR - PK1390



features

- lead free brass self-draining vacuum breaker.
- allows faucet to drain upon shut-off to prevent freezing.
- includes set screw to prevent device removal.
- fine thread (BFP) inlet used to connect to Arrowhead Brass valves with fine threaded connections.
- ASSE 1011 approved, IAPMO certified.
- individually boxed or in “PK” clamshell.
- Imported, made in China.



base model	59ABP	PK1400	59ABPCHR	PK1395
description	SD vacuum breaker 3/4" hose thread	SD vacuum breaker 3/4" hose thread (clamshell)	SD vacuum breaker 3/4" hose thread chrome plated	SD vacuum breaker 3/4" hose thread chrome plated-clam
weight (lbs)	0.260	0.27	0.260	0.27
pack qty	12	12	12	12
case qt	72	72	72	72

base model	59BFP	PK1380	59BFPCHR	PK1390
description	SD vacuum breaker 3/4" fine thread	SD vacuum breaker 3/4" fine thread (clamshell)	SD vacuum breaker 3/4" fine thread chrome plated	SD vacuum breaker 3/4" fine thread chrome plated
weight (lbs)	0.260	0.27	0.26	0.27
pack qty	12	12	12	12
case qt	72	72	72	72



hose bib lock, shower & drain adapters

PK-HBL



55CC



56CC



PK-HBL features

- protect your hose bib from unwanted use.
- sold in retail packaging.
- for use with any pad-lock (not included).
- imported, made in China.
- brass adapter with 2 nylon nuts.
- straight or angle configuration.
- 1/2" sweat x 1" MIP thread.
- imported, made in China.

shower adapter features

- imported, made in China.

base model	PK-HBL	55CC	56CC
description	hose bib lock	1/2" sweat x MIP straight shower head adapter	1/2" sweat x 1" MIP angle shower head adapter
weight (lbs)	0.35	0.324	0.324
pack qty	12	18	18
case qty	24	108	108



replacement handles

PK1250



PK1260



features

- all handles have a 12-point spline broach and are completely interchangeable,(excluding the loose key- PK1300 & Freeze-Proof® 470 series handle- PK1297).
- all handles are made out of die-cast aluminum.
- kits include our self-tapping stainless steel screw.
- sold in clamshell package.
- bulk handles & screws available by special order, contact Arrowhead for details.
- part kits are assembled in Los Angeles, CA, using domestic and some foreign components.

PK1270



PK1280



PK1290



PK1295



PK1297



PK1299



PK1300



base model	PK1250	PK1260	PK1270	PK1280
description	pk: replacement green wheel handle (12 pt) & screw	pk: replacement green tee handle (12 pt) & screw	pk: replacement green tee handle (12 pt) & screw	pk: replacement chrome tee handle (12 pt) & screw
pack qty	12	12	12	12
case qty	72	72	72	72

base model	PK1290	PK1295	PK1297	PK1299
description	pk: replacement green oval handle (12 pt) & screw	replacement rubberized green oval handle (12 pt) & screw	replacement 470 series grn oval handle (12 pt) & screw	red & blue oval handles (12 pt) & screws for 490 series
pack qty	12	12	12	12
case qty	72	72	72	72

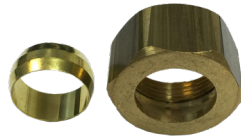
base model	PK1300
description	pk: replacement removable loose key
pack qty	12
case qty	72

hose bib repair

PK1000



PK1180



features

- low lead brass components.
- stainless steel screws.
- long-lasting EPDM washers and O-rings.
- bulk components available, please contact Arrowhead for details.
- part kits are assembled in Los Angeles, CA, using domestic and some foreign components.

PK1100



PK1240



base model	PK1000	PK1100	PK1110
description	stem RK: washer, screw, nylon washers & handle screws	replacement hose bib stem assembly	replacement hose bib stem assembly nickel plated
pack qty	12	12	12
case qty	72	72	72

PK1110



PK1600



base model	PK1130	RK1140	PK1150
description	stem assembly for old style 900 garden valves	replacement o-ring stem & assembly 925LF & 975LF ser.	replacement LK hose bib stem assembly nickel plate
pack qty	12	12	12
case qty	72	72	72

PK1130



PK-QTASSY



base model	PK1155	PK1170	PK1180
description	replacement hose LK hose bib stem assembly nickel plate	1/2" copper compression kit nickel plated for 221CCLF	1/2" copper compression kit for 254CCLF/264CCLF/221CCRBLF
pack qty	12	12	12
case qty	72	72	72

PK1140



PK1200



base model	PK1200	PK1240	PK1600
description	hose attachment & plug for 248LF washing machine valves	brass inlet-loose nut for 2-piece garden valve (1")	pk: Arrow-Breaker® stem assembly (fits 260, 360, & 965 series)
pack qty	12	12	12
case qty	72	72	72

PK1150



PK1600LK



base model	PK-QTASSY
description	pk: QuickTurn® assembly (fits all standard valves)
pack qty	12
case qty	72



hydrant repair

PK2004



PK2016



features

- low lead brass components.
- stainless steel screws.
- long-lasting EPDM washers and O-rings.
- bulk components available, please contact Arrowhead for details.
- part kits are assembled in Los Angeles, CA, using domestic and some foreign components.

PK6004



PK6026



PK7004



PK7026



PK8004



PK1430



PK9004



PK1000



base model	PK20	PK60	PK70
description	420 series QuickTurn® style stem kit	460 series QuickTurn® style stem kit	470 series QuickTurn® style stem kit
pack qty	6	6	6
case qty	12	12	12

base model	PK80	PK90	PK1000
description	480 & 450 series (multi-turn) stem kit	490 series QuickTurn® style stem kit	pk: stem rebuild parts for 450 or 480 series Frost-Proof wall hydrants
pack qty	6	6	12
case qty	12	12	72

base model	PK2016	PK6026	PK7026
description	pk: replacement 420 series anti-siphon check assembly	pk: replacement 460 series anti-siphon check assembly	pk: replacement 470 series anti-siphon check and Freeze-Proof® assembly
pack qty	12	12	12
case qty	72	72	72

base model	PK1430	PK1390	PK1390V
description	pk: replacement air-vent assembly	pk: fine thread vacuum breaker for 480 & 490 horizontal series	pk: fine thread vacuum breaker for 490 vertical series
pack qty	12	12	12
case qty	72	72	72

available option

loose key



PK20_LK

LK: lock-shield stem assembly



CHAMPION

100, 200, & 300 series valves

100 series



features

- durable brass construction
- full size water ways for low pressure loss
- floating style seat seal
- optimal flow:5-180 GPM
- operates up to 150 PSI working pressure
- use to effectively regulate water supply with manual operation
- easily converts to automatic with add on actuators (CL or AA models)

base model	100-075Y	100-100Y
description	manual straight valve 3/4" with rising swivel	manual straight valve 1" with rising swivel
weight (lbs)	2.167	2.167
case qty	18	12

200 series



base model	200-075Y	200-100Y
description	manual brass angle valve 3/4"	manual brass angle valve 1"
weight (lbs)	1.4	1.67
case qty	20	15

300 series



base model	300-075Y	300-100Y
description	manual brass angle valve 3/4" with union	manual brass angle valve 1" with union
weight (lbs)	1.8	2.1
case qty	15	10

repair & replacement parts

manual stem
assembly kit

manual stem
rebuild kit



RK-1C

assembly rebuild kit for
3/4" valves

RK-2C

assembly rebuild kit for
1" valves

manual straight valves

100RS series



base model	100RS-075Y	100RS-100Y	100RS-125Y	100RS-150Y	100RS-200Y
description	straight valve 3/4" with rising swivel	straight valve 1" with rising swivel	straight valve 1-1/4" with rising swivel	straight valve 1-1/2" with rising swivel	straight valve 2" with rising swivel
weight	1.56	2.167	4.44	6.4	9.75
case qty	18	12	9	5	4

200RS series



base model	200RS-075Y	200RS-100Y	200RS-125Y	200RS-150Y	200RS-200Y
description	angle valve 3/4" with rising swivel	angle valve 1" with rising swivel	angle valve 1-1/4" with rising swivel	angle valve 1-1/2" with rising swivel	angle valve 2" with rising swivel
weight (lbs)	1.4	1.67	3.67	5	7
case qty	20	1	6	4	2

300RS series



base model	300RS-075Y	300RS-100Y	300RS-125Y	300RS-150Y	300RS-200Y
description	angle valve 3/4" with rising swivel & union	angle valve 1" with rising swivel & union	angle valve 1-1/4" with rising swivel & union	angle valve 1-1/2" with rising swivel & union	angle valve 2" with rising swivel & union
weight (lbs)	1.8	2.1	4	7.25	9
case qty	15	10	3	4	2

features

- durable brass construction
- full size water ways for low pressure loss
- 'RS' models feature rising swivel style seat
- optimal flow:5-180 GPM
- operates up to 150 PSI working pressure
- use to effectively regulate water supply with manual operation
- easily converts to automatic with add on actuators (CL or AA models)

repair & replacement parts

manual stem assembly kit

manual stem rebuild kit

1-1/4" valve stem replacement kit

1-1/2" valve stem replacement kit

2" valve stem replacement kit



RK-1C

assembly rebuild kit for 3/4" valves

RK-2C

assembly rebuild kit for 1" valves

RK-1C-125

assembly rebuild kit for 1-1/4" valves

RK-1C-150

assembly rebuild kit for 1-1/2" valves

RK-1C-200

assembly rebuild kit for 2" valves

atmospheric vacuum breakers

262 series



features

- reliable brass atmospheric vacuum breaker anti-siphon valve.
- prevents back flow of water into potable line.
- durable seals and full size water ways for low pressure loss.
- not designed for constant pressure applications.
- flow range: 5-140 GPM.
- operating pressure: 150 PSI Max

362 series



base model	262-075Y	262-100Y	262-125Y	262-150Y
description	compact 3/4" FIP without outlet union	angled 1" without union	angled 1-1/4" without union	angled 1-1/2" without union
weight (lbs)	0.917	1.333	2.75	3.6
case qty	24	15	12	10

base model	262-200Y	362-075Y	362-100Y	362-125Y
description	angled 2" without union	angled 3/4" with union	angled 1" with union	angled 1-1/4" with union
weight (lbs)	6	1.389	1.75	3.89
case qty	4	18	12	9

base model	362-150Y	300-100Y
description	angled 1-1/2" with union	angled 2" with union
weight (lbs)	5.167	7.33
case qty	6	3

repair & replacement parts

atmospheric vacuum breaker rebuild kit	atmospheric vacuum breaker rebuild kit	atmospheric vacuum breaker rebuild kit	atmospheric vacuum breaker rebuild kit	atmospheric vacuum breaker rebuild kit
# RK-6C	# RK-7C	# RK-7C-125	# RK-7-150C	# RK-7C-200
assembly rebuild kit for 3/4" atmospheric vacuum breaker	assembly rebuild kit for 1" atmospheric vacuum breaker	assembly rebuild kit for 1-1/4" atmospheric vacuum breaker	assembly rebuild kit for 1-1/2" atmospheric vacuum breaker	assembly rebuild kit for 2" atmospheric vacuum breaker

anti-siphon cap	anti-siphon cap	anti-siphon cap	anti-siphon cap	anti-siphon cap
# RK-41C-075	# RK-41C-100	# RK-41C-125	# RK-41C-150	# RK-41C-200
brass anti-siphon cap 3/4"	brass anti-siphon cap 1"	brass anti-siphon cap 1-1/4"	brass anti-siphon cap 1-1/2"	brass anti-siphon cap 2"

automatic anti-siphon valves

AB466



features

- reliable brass anti-siphon valves with durable brass automatic actuators.
- compact actuator for low-profile installation
- flow control stem with external bleed screw and 14" lead wires.
- optimal flow: 5-35 GPM.
- rated to 150 PSI, optimal 30-90 PSI.
- solenoid: 24VAC/60Hz; inrush current 0.59 amps (14.2 VA); holding current 0.33 amps (7.9 VA).

base model	AB466-075	AB466-100	AB466P-075	AB466P-100
description	compact auto a-s 3/4" with outlet union	compact auto a-s 1" with outlet union	compact auto a-s 3/4" no union	compact auto a-s 1" no union
weight (lbs)	3.5	4	3.2	3.5
case qty	10	10	10	10

AB466CL466



base model	CL466-075	CL466-100	CL466P-075	CL466P-100
description	classic auto a-s 3/4" with union	classic auto a-s 1" with union	classic auto a-s 3/4" no union	classic auto a-s 1" no union
weight (lbs)	4.6	5.16	4.33	5.16
case qty	6	6	6	6

repair & replacement parts

anti-siphon rebuild kit	anti-siphon rebuild kit	compact actuator rebuild kit	compact actuator rebuild kit	classic actuator rebuild kit	classic actuator rebuild kit	replacement 24VAC solenoid
# RK-4C 3/4" anti-siphon rebuild kit for 466 series AS valves	# RK-5C 1" anti-siphon rebuild kit for 466 series AS valves	# RK-17C compact actuator rebuild kit (old style)	# RK-18C compact actuator rebuild kit-2017 model	# RK-25C pre 2004 models	# RK-26C models installed after 2004 through 2016	# RK-28C open yoke, 24VAC/60hz, inrush current: 0.33 Amps (7.9 VA) with 14" lead wires
replacement brass bleed screws	3/4" manual anti-siphon valve rebuild kit	1" manual anti-siphon valve rebuild kit	classic actuator rebuild kit	anti-siphon cap	anti-siphon cap	
# RK-29C with o-rings for classic (CL) or compact (AA, AB), or other AV	# RK-30C seat washer, packing washer, plastic float, float washer, (2) red fiber gasket seals	# RK-31C assembly rebuild kit for 3/4" valves	# RK-38C for model installed in 2016 through present. flat diaphragm & external actuator spring	# RK-41C-075 brass anti-siphon cap 3/4"	# RK-41C-100 brass anti-siphon cap 1"	

manual anti-siphon valves

466 series



466P series



466W series



features

- reliable brass anti-siphon valves with back-flow prevention.
- flow control stem with full size water ways for low pressure loss.
- Flow range: 5-35 GPM.
- operating pressure 25 - 150 PSI.
- not designed for constant pressure applications.

base model	466-075Y	466-100Y
description	3/4" with outlet union	1" with outlet union
weight (lbs)	2.306	2.87
case qty	15	12
base model	466P-075Y	466P-100Y
description	3/4" without outlet union	1" without outlet union
weight (lbs)	1.98	2.492
case qty	20	12
base model	466W-075	466W-100
description	3/4" with outlet union and wheel handle	1" with outlet union and wheel handle
weight (lbs)	2.306	2.87
case qty	15	12
base model	466PW-075	466PW-100
description	3/4" with wheel handle, no union	1" with wheel handle, no union
weight (lbs)	1.98	2.492
case qty	17	12

repair & replacement parts

manual stem assembly kit	manual stem rebuild kit	repair kit for 350 anti-siphon valves	anti-siphon rebuild kit	anti-siphon rebuild kit	manual valve wheel handle	3/4" manual anti-siphon valve rebuild kit
# RK-1C assembly rebuild kit for 3/4" valves	# RK-2C assembly rebuild kit for 1" valves	# RK-3C repair kit for 350 anti-siphon valves	# RK-4C 3/4" anti-siphon rebuild kit for 466 series AS valves	# RK-5C 1" anti-siphon rebuild kit for 466 series AS valves	# RK-37C manual valve wheel handle for 3/4" & 1" valves	# RK-30C seat washer, packing washer, plastic float, float washer, (2) red fiber gasket seals
1" manual anti-siphon valve rebuild kit	anti-siphon cap	anti-siphon cap	anti-siphon cap	anti-siphon cap	anti-siphon cap	
# RK-31C assembly rebuild kit for 3/4" valves	# RK-41C-075 brass anti-siphon cap 3/4"	# RK-41C-100 brass anti-siphon cap 1"	# RK-41C-125 brass anti-siphon cap 1-1/4"	# RK-41C-150 brass anti-siphon cap 1-1/2"	# RK-41C-200 brass anti-siphon cap 2"	

anti-siphon valve bodies

V-19-466 series



features

- reliable brass anti-siphon valve body with back-flow prevention.
- full size water ways for low pressure loss.
- flow range: 5-35 GPM.
- operating pressure 25 - 150 PSI.
- not designed for constant pressure applications.

base model	V-19-466-075Y	V-19-466-100Y	V-19-466P075Y	V-19-466P-100Y
description	3/4" body, with outlet union	1" body, with outlet union	3/4" body, no union	1" body, no union
weight (lbs)	2.2	2.6	1.8	2.34
case qty	25	20	30	20

V-19-466P series



repair & replacement parts

anti-siphon rebuild kit	anti-siphon rebuild kit	3/4" manual anti-siphon valve rebuild kit	1" manual anti-siphon valve rebuild kit		
# RK-4C 3/4" anti-siphon rebuild kit for 466 series AS valves	# RK-5C 1" anti-siphon rebuild kit for 466 series AS valves	# RK-30C seat washer, packing washer, plastic float, float washer, (2) red fiber gasket seals	# RK-31C assembly rebuild kit for 3/4" valves		
anti-siphon cap	anti-siphon cap	anti-siphon cap	anti-siphon cap	anti-siphon cap	
# RK-41C-075 brass anti-siphon cap 3/4"	# RK-41C-100 brass anti-siphon cap 1"	# RK-41C-125 brass anti-siphon cap 1-1/4"	# RK-41C-150 brass anti-siphon cap 1-1/2"	# RK-41C-200 brass anti-siphon cap 2"	

AA series brass compact actuator



features

- durable brass automatic actuators.
- flow control stem with external bleed screw and 14" lead wires.
- optimal flow: 5-35 GPM.
- rated to 150 PSI, optimal 30-90 PSI.
- solenoid: 24VAC/60Hz; inrush current 0.59 amps (14.2 VA); holding current 0.33 amps (7.9 VA).

base model	AA-075	AA-100	AB-075-B	AB-100-B
description	compact brass 3/4"	compact brass 1"	compact 3/4" boxed	compact 1" boxed
weight (lbs)	1.58	1.66	1.58	1.66
case qty	12	12	12	12

repair & replacement parts

compact actuator rebuild kit	compact actuator rebuild kit	replacement 24VAC solenoid	replacement brass bleed screws
# RK-17C compact actuator rebuild kit (old style)	# RK-18C compact actuator rebuild kit-2017 model	# RK-28C open yoke, 24VAC/60hz, inrush current: 0.33 Amps (7.9 VA) with 14" lead wires	# RK-29C with o-rings. for classic (CL) or compact (AA, AB), or other AV

CL classic brass actuator



base model	CL-075	CL-100	CL-075-B	CL-100-B
description	classic 3/4"	classic 1"	classic 3/4" boxed	classic 1" boxed
weight (lbs)	2.3	2.3	12.3	2.3
case qty	6	6	10	10

repair & replacement parts

classic actuator rebuild kit	classic actuator rebuild kit	replacement 24VAC solenoid	replacement brass bleed screws	classic actuator rebuild kit
# RK-25C pre 2004 models	# RK-26C models installed after 2004 through 2016	# RK-28C open yoke, 24VAC/60hz, inrush current: 0.33 Amps (7.9 VA) with 14" lead wires	# RK-29C with o-rings. for classic (CL) or compact (AA, AB), or other AV	# RK-38C for model installed in 2016 through present. flat diaphragm & external actuator spring

brass sprinklers & bubblers

17 series flush



features

- durable brass construction.
- 1/2 NPT female inlet
- repairable with Champion brass inserts
- operating pressure: 15 - 30 PSI.
- brass flush & pop-up sprinklers:
flow rate: 0.5 - 4.0 GPM
5' - 15' spacing
- brass shrub sprinklers:
flow rate: 0.5 - 4.0 GPM
5' - 15' spacing
- brass bubbler sprinkler:
flow rate: 0 - 6 GPM
1' - 3' spacing

18 pop-up



19 & S9 series shrub



base model	17	17SF	17SH	17SQ	17S3Q
description	brass sprinkler body flush	brass sprinkler flush full circle	brass sprinkler flush half spray	brass sprinkler flush quarter spray	brass sprinkler flush 3/4 spray
weight (lbs)	0.23	0.24	0.24	0.24	0.24
case qty	50	50	50	50	50

B6F bubbler



base model	18	18SF	18SH	18SQ	18S3Q
description	brass sprinkler body pop-up	brass sprinkler pop-up full circle	brass sprinkler pop-up half spray	brass sprinkler pop-up quarter spray	brass sprinkler pop-up three quarter spray
weight (lbs)	0.36	0.4	0.4	0.4	0.4
case qty	50	50	50	50	50

base model	19	S9F	S9H	S9Q	S93Q
description	brass shrub sprinkler body	brass shrub flush full circle spray	brass shrub half spray	brass shrub quarter spray	brass shrub three quarter spray
weight (lbs)	0.06	0.09	0.09	0.09	0.09
case qty	50	50	50	50	50

base model	S9S	B6F
description	brass shrub side strip spray	brass full circle bubbler
weight (lbs)	0.09	0.1
case qty	50	50

plastic sprinklers

F27 series flush



features

- impact resistant ABS construction
- 1/2" NPT female inlet
- interchangeable with all Champion and other brand nozzles
- operating pressure: 15 - 30 PSI
- brass nozzle flow rate: 0.5 - 4.0 GPM
- plastic nozzle flow rate: 0.2 - 4.0 GPM
- sprinkler spacing: 5' - 15'

F37 series flush



P28 series pop-up



P38 series pop-up



base model	F27F	F27H	F27Q	F273Q
description	plastic flush sprinkler with brass full circle spray	plastic flush sprinkler with brass 1/2 circle spray	plastic flush sprinkler with brass 1/4 circle spray	plastic flush sprinkler with brass 3/4 circle spray
weight (lbs)	0.06	0.06	0.06	0.045
case qty	50	50	50	50

base model	F37PF	F37PH	F37PQ
description	plastic flush with plastic full circle spray	plastic flush with plastic 1/2 circle spray	plastic flush with plastic 1/4 circle spray
weight	0.07	0.07	0.07
case qty	100	100	100

base model	P28F	P28H	P28Q	P283Q
description	pop-up spray with brass nozzle, full circle spray	pop-up spray with brass nozzle 1/2 circle spray	pop-up spray with brass nozzle 1/4 circle spray	pop-up spray with brass nozzle 3/4 circle spray
weight (lbs)	0.08	0.08	0.08	0.08
case qty	50	50	50	50

base model	F38PF	F38PH	F38PQ
description	plastic pop-up spray with plastic full circle spray	plastic pop-up spray with plastic 1/2 circle spray	plastic pop-up spray with plastic 1/4 circle spray
weight	0.046	0.046	0.046
case qty	100	100	100

sprinkler bodies (no spray)

base model	P17	P18
description	plastic flush sprinkler with brass circle spray	plastic flush sprinkler w/ brass 1/2 circle spray
weight (lbs)	0.05	0.07
case qty	100	50

plastic shrub sprinklers & bubblers

P191PS series shrub



features

- impact resistant ABS construction
- 1/2" NPT female inlet
- operating pressure: 15 - 30 PSI
- brass nozzle flow rate: 0.5 - 4.0 GPM
- plastic nozzle flow rate: 0.2 - 4.0 GPM
- bubbler flow rate: 0 - 6 GPM
- shrub spacing: 5' - 15'
- bubbler spacing: 1' - 3'
- P191P plastic shrub series accepts most female threaded
- BPU plastic professional umbrella bubbler flow is fingertip adjustable, P1902 includes filter

S29 series shrub



S39 series shrub



BPU series bubbler



base model	P191PSF	P191PSH	P191PSQ	P191PASA
description	plastic shrub sprinkler full circle spray w/ filter	plastic shrub sprinkler, 1/2 circle spray w/ filter	plastic shrub sprinkler, 1/4 circle spray w/ filter	plastic shrub sprinkler, adjustable circle spray w/filter
weight (lbs)	0.024	0.024	0.024	0.024
case qty	100	100	100	100

base model	S29F	S29H	S29Q
description	plastic shrub sprinkler with brass full circle spray	plastic shrub sprinkler, brass 1/2 circle spray	plastic shrub sprinkler, brass 1/4 circle spray
weight	0.036	0.036	0.036
case qty	50	50	50

base model	S39PF	S39PH	S39PQ
description	plastic shrub sprinkler with plastic full circle spray	plastic shrub sprinkler with plastic 1/2 circle spray	plastic shrub sprinkler with plastic 1/4 circle spray
weight	0.016	0.016	0.016
case qty	100	100	100

base model	BPU	P1902
description	full adjustable plastic umbrella bubbler	plastic shrub umbrella bubbler with filter
weight (lbs)	0.028	0.04
case qty	144	72

brass sprinkler nozzles

S series



features

- for use on all brass & plastic sprinklers
- brass construction
- adjustable flow & radius
- matched precipitation rate
- sold in clamshell packages ("-C", 2 pieces) or in bulk ("-B", 50 pieces)
- circle spray nozzles available in 15', 12' & 9' radius

standard 15' radius, 2 pack

base model	SF-C	SH-C	SQ-C	S3Q-C	ST-C	SSQ-C	SS-C
description	brass sprinkler nozzle, full circle spray	brass sprinkler nozzle, 1/2 circle spray	brass sprinkler nozzle, 1/4 circle spray	brass sprinkler nozzle, 3/4 circle spray	brass sprinkler nozzle, 1/3 circle spray	brass nozzle square pattern, 24' x 24'	brass nozzle, strip spray, 4' x 20'
weight (lbs)	0.1	0.1	0.1	0.1	0.1	0.1	0.1
case qty	12	12	12	12	12	12	12

bulk brass spray nozzles

base model	SF-B	SH-B	SQ-B	S3Q-B
description	brass nozzle, full circle spray 50 pieces	brass nozzle, half circle spray 50 pieces	brass nozzle, quarter circle spray, 50 pieces	brass nozzle, 3/4 circle spray, 50 pieces
weight (lbs)	4	4	4	4
case qty	1	1	1	1

12' radius, 2 pack

base model	SF-9-C	SH-9-C	SQ-9-C
description	brass nozzle, full circle spray 9' radius	brass nozzle, half circle spray 9' radius	brass nozzle, quarter circle spray 9' radius
weight	0.1	0.1	0.1
case qty	12	12	12

9' radius, 2 pack

base model	SF-12-C	SH-12-C	SQ-12-C
description	brass nozzle, full circle spray	brass nozzle, half circle spray	brass nozzle, quarter circle spray
weight	0.1	0.1	0.1
case qty	12	12	12

brass sprinkler nozzle specifications

models	description	pressure (PSI)	flow (GPM)	radius (feet)	precipitation IN/HR	
					■	▲
SF-C SF-B	15' radius - full circle spray	15	3.20	12'	2.14	2.49
		20	3.50	13'	1.99	2.32
		25	3.70	14'	1.82	1.99
		30	4.00	15'	1.71	1.99
SH-C SH-B	15' radius - half circle spray	15	1.60	12'	2.14	2.49
		20	1.90	13'	2.17	2.52
		25	2.00	14'	1.97	2.29
		30	2.20	15'	1.88	2.19
SQ-C SQ-B	15' radius - quarter circle spray	15	.90	12'	2.41	2.80
		20	1.00	13'	2.28	2.65
		25	2.00	14'	2.16	2.51
		30	2.20	15'	2.23	2.59
S3Q-C S3Q-B	15' radius - three- quarter circle spray	15	2.00	12'	1.78	2.07
		20	2.40	13'	1.82	2.12
		25	2.70	14'	1.77	2.06
		30	3.00	15'	1.71	1.99
ST-C	15' radius - one-third circle spray	15	1.10	12'	2.21	2.57
		20	1.20	13'	2.05	2.39
		25	1.30	14'	1.92	2.23
		30	1.40	15'	1.80	2.09
models	description	pressure (PSI)	flow (GPM)	radius (feet)	D.N.B (feet)	IN/HR ■
SS-C	4' x 20' center strip spray	15	1.70	3' x 17'	17.0	3.21
		20	2.10	3.5' x 18'	18.0	3.21
		25	3.30	3.7' x 19'	19.0	3.15
		30	2.50	4' x 20'	20.0	3.01
SSQ-C	24' x 24' - square pattern spray	15	1.90	18' x 18'	9.0	2.26
		20	2.30	20' x 20'	10.0	2.21
		25	2.70	22' x 22'	11.0	2.15
		30	3.00	24' x 24'	12.0	2.01

NOTE: square spacing ■ is calculated at 50% diameter of throw. triangle spacing ▲ is calculated at 60% diameter of throw. pressure (PSI) is measured at the nozzle. flow rates shown are maximum. Inserts are adjustable for less GPM flow. assumes ideal conditions.

2" & 4" pop-up sprinklers

FP2 series



















FP4 series



features

- 2" & 4" pop-up sprinklers made from impact resistant ABS.
- interchangeable & replaceable nozzles.
- 1/2" female pipe thread inlet.
- heavy duty stainless steel spring with positive retraction.
- santoprene wiper seal.
- easy to remove filter for cleaning debris.
- adjustable flow rate & ratcheting stem for easy, positive spray adjustment.
- color-coded labeling for fast spray-type recognizing.
- spray nozzle spacing: 11' - 15'

base model	description		weight (lbs)	case qty
FP2F	2" spring pop-up sprinkler full circle spray		0.126	48
FP2H	2" spring pop-up sprinkler half circle spray		0.126	48
FP2Q	2" spring pop-up sprinkler 1/4 circle spray		0.126	48
FP23Q	2" spring pop-up sprinkler 3/4 circle spray		0.126	48
FP2T	2" spring pop-up sprinkler 1/3 circle spray		0.126	48
FP2SS	2" spring pop-up sprinkler side strip spray		0.126	48
FP2CS	2" spring pop-up sprinkler center strip spray		0.126	48
FP2ES	2" spring pop-up sprinkler end strip spray		0.126	48
FP2ASA	2" spring pop-up sprinkler 25° - 360° adjustable spray		0.126	48
FP4F	4" spring pop-up sprinkler full circle spray		0.168	48
FP4H	4" spring pop-up sprinkler half circle spray		0.168	48
FP4Q	4" spring pop-up sprinkler 1/4 circle spray		0.168	48
FP43Q	4" spring pop-up sprinkler 3/4 circle spray		0.168	48
FP4T	4" spring pop-up sprinkler 1/3 circle spray		0.168	48
FP4SS	4" spring pop-up sprinkler side-strip spray		0.168	48
FP4CS	4" spring pop-up sprinkler center-strip spray		0.168	48
FP4ES	4" spring pop-up sprinkler end-strip spray		0.168	48
FP4ASA	4" spring pop-up sprinkler 25° - 360° adjustable spray		0.168	48









plastic sprinkler nozzles

15 series



features

- contains 2 nozzles and 2 filters.
- made from impact resistant ABS construction
- fits most 1/2" male pop-up sprinkler stems.
- stainless steel flow adjustment screw.
- nozzle spacing: 11' - 15'

base model	description		weight (lbs)	case qty
15F-C	plastic sprinkler nozzle full circle spray, 15' radius- 2 pack		0.01	12
15H-C	plastic sprinkler nozzle half circle spray, 15' radius- 2 pack		0.01	12
15Q-C	plastic sprinkler nozzle 1/4 circle spray, 15' radius- 2 pack		0.01	12
153Q-C	plastic sprinkler nozzle 3/4 circle spray, 15' radius- 2 pack		0.01	12
15T-C	plastic sprinkler nozzle 1/3 circle spray, 15' radius- 2 pack		0.01	12
15ES-C	plastic sprinkler nozzle end strip spray 4' x 12'- 2 pack		0.01	12
15CS-C	plastic sprinkler nozzle center strip spray 4' x 24'- 2 pack		0.01	12
15SS-C	plastic sprinkler nozzle side strip spray 4' x 24'- 2 pack		0.01	12
15ASA-C	plastic nozzle adjustable spray arc 25°-360° 15' radius-2 pack		0.01	12

plastic & brass impulse & rotor sprinklers

LMG-B



features

- impact resistant ABS construction
- boxes (-B") or carded ("-C") for retail
- spacing 29' - 45'
- adjustable to full or part circle coverage
- optimal pressure: 25 - 65 PSI

PU61DP-C



RO-100-B



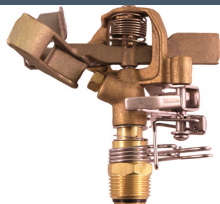
300-A-16-14



S201 series



U61DP-C



base model	LMG-B	PU61DP-C	RO-100-B
description	plastic pop-up impulse sprinkler boxed 65201	plastic impulse 1/2" MPT precision arm carded	gear driven rotor pop-up sprinkler individually boxed
weight	1.1	0.182	1.9
case qty	12	12	12

base model	300-A-16-14	S201-2-10-06	S201-2-12-08	U61DP-C
description	brass full circle impulse 1" male double opposing nozzle diffuser pin (1/4" x 7/32")	brass full circle impulse 3/4" male/sure seal, double nozzle (5/32" x 3/32")	brass full circle impulse 3/4" male/sure seal, double nozzle (3/16" x 1/8")	brass impulse sprinkler 1/2" MPT with precision spray arm ("-C" carded for retail)
weight (lbs)	2.42	1.1	1.1	0.552
case qty	12	20	20	12

PSI	GPM	radius	IN/HR ▣	IN/HR ▲
60	24.7	63'	0.6	0.5
70	26.8	65'	0.5	0.4
80	28.8	67'	0.5	0.4
50	10.6	50'	0.4	0.3
60	11.5	51'	0.4	0.3
70	12.4	52'	0.4	0.3
50	10.6	50'	0.4	0.3
60	11.5	51'	0.4	0.3
70	12.4	52'	0.4	0.3
40	4.55	43'	0.4	0.4
50	5.15	47'	0.5	0.4
60	5.65	48'	0.5	0.4

brass swivel & non-swivel fittings

5F



12F



features

- brass construction
- full swivel
- fits any male garden hose thread

7F



13F



base model	5F	7F	12F	13F
description	brass swivel hose fitting 3/4" female hose thread x 1/2" MIP	brass swivel hose fitting 3/4" x 3/4" female hose thread	brass swivel hose fitting 3/4" female hose thread x 3/4" FIP	brass swivel hose fitting 3/4" female hose thread x 1/2"
weight (lbs)	0.1	0.23	0.13	0.13
case qty	40	30	30	30

6F



10F



features

- brass construction
- non-swivel

8F



14HC



9F



base model	6F	8F	9F	10F	14HC
description	brass hose fitting 3/4" male hose thread x 3/4" male hose thread	brass hose fitting 3/4" male hose thread x 3/4" MIP or 1/2" FIP	brass hose fitting female hose thread x dual 3/4" MIP and 1/2" FIP	brass hose fitting 3/4" male hose thread x 1/2" MIP	brass hose and end cap 3/4" hose thread
weight (lbs)	0.13	0.13	0.23	0.125	0.13
case qty	30	30	30	30	30

tools and accessories

sprinkler base

B-1



C-2



features

- sprinkler stand for a portable, standing sprinkler with hose connection
- 3/4" swivel female hose connection inlet

sprinkler keys

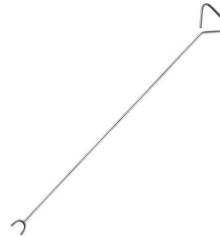
30-6



30-30



30-54



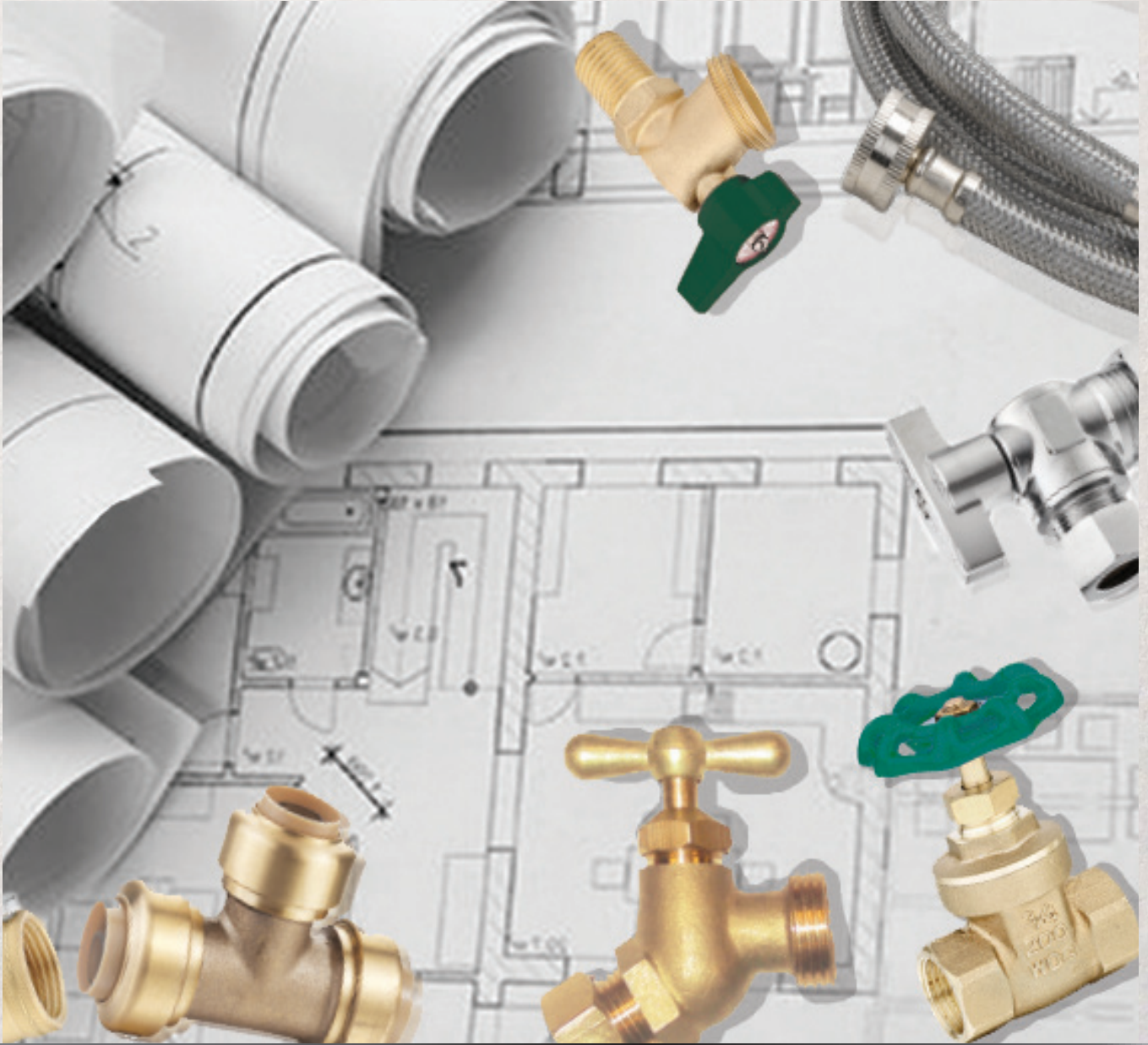
sweeper nozzle



sprinkler wrench



base model	B-1	C-2	30-6	30-30	30-54	35N	WB
description	sprinkler base 1/2" FIP 14" round	sprinkler base 3/4" FIP 14" round	sprinkler valve control key 6"	sprinkler valve control key 30"	sprinkler valve control key 54"	brass sweeper hose nozzle 6"	brass sprinkler wrench
weight (lbs)	1	1.08	0.28	0.67	1	0.416	0.14
case qty	12	12	24	12	12	24	18



CHAMPION PLUMBING

ball valves

BVS series



BVF series



BVR series



features

- lead free brass full port ball valves
- BVS series sweat: max pressure: 600 PSI (1/2" to 2" models) 400 PSI (2-1/2" to 3" models): max temp: 300°
- BVF series threaded: max pressure: 600 PSI (1/2" to 2" models) 400 PSI (2-1/2" to 3" models): max temp: 300°
- BVR REDIGRIP series PEX and CPVC compatible: max pressure: 232 PSI: max temp: 203°
- QuickTurn® handle
- for water application



base model	BV50S	BV75S	BV100S	BV125S
description	1/2" lead free full port sweat	3/4" lead free full port sweat	1" lead free full port sweat	1-1/4" lead free full port sweat
weight (lbs)	0.33	0.58	1.05	1.39

base model	BV150S	BV200S	BV250S	BV300S
description	1-1/2" lead free full port sweat	2" lead free full port sweat	2-1/2" lead free full port sweat	3" lead free full port sweat
weight (lbs)	2.34	3.48	6.13	7.55

base model	BV50F	BV75F	BV100F	BV125F
description	1/2" lead free full port threaded	3/4" lead free full port threaded	1" lead free full port threaded	1-1/4" lead free full port threaded
weight (lbs)	0.01	0.01	1.09	1.50

base model	BV150F	BV200F	BV250F	BV300F
description	1-1/2" lead free full port threaded	2" lead free full port threaded	2-1/2" lead free full port threaded	3" lead free full port threaded
weight (lbs)	2.36	3.44	6.13	7.58

base model	BV50R	BV75R	BV100R
description	1/2" lead free REDIGRIP ball valve	3/4" lead free REDIGRIP ball valve	1" lead free REDIGRIP ball valve
weight	0.48	0.70	1.28

ball valves

BVX series



BVU series



BVC series



BVP series



features

- lead free brass full port ball valves
- BVX series PEX compatible: max pressure: 400 PSI: max temp: 200°
- BVU series Uponor connection: max pressure: 400 PSI: max temp: 200°
- BVC series copper compression connection: max pressure: 200 PSI: max temp: 300° QuickTurn® handle
- BVP series press-fit compression: max pressure: 250 PSI: max temperature: 203°



base model	BV50X	BV75X	BV100X
description	1/2" lead free PEX ball valve	3/4" lead free PEX ball valve	1" lead free PEX ball valve
weight	0.28	0.43	0.61

base model	BV50U	BV75U	BV100U
description	1/2" lead free Uponor ball valve	3/4" lead free Uponor ball valve	1" lead free Uponor ball valve
weight	0.32	0.51	0.80

base model	BV50C	BV75C
description	1/2" lead free compression	3/4" lead free compression
weight (lbs)	0.57	0.83

base model	BV50P	BV75P	BV100P	BV125P	BV150P	BV200P
description	1/2" Press-Fit Lead Free	3/4" Press-Fit Lead Free	1" Press-Fit Lead Free	1-1/4" Press-Fit Lead Free	1-1/2" Press-Fit Lead Free	2" Press-Fit Lead Free

gas ball valve

GBF series



GBFFL series



features

- lead free
- GBFFL series: FIP x flare
- ANSI Z21.15/CGA9.1 (1/2PSI) approved
- ASME B16.44 (1/2, 2, 5 PSI) approved
- CR91-002 approved

base model	GB50F	GB75F	GB100F
description	1/2" AGA gas ball valve F x F	3/4" AGA gas ball valve F x F	1" AGA gas ball valve F x F
weight	0.32	0.47	0.78

base model	GB50FFL	GB75FFL
description	1/2" AGA gas ball valve F x FL	3/4" AGA gas ball valve F x FL

stop valves

SV series

SVC



SVC-W



SVF



SVF-W



SVS



SVS-W



features

- lead free
- OD compression
- size 1/2" and 3/4"
- SV-W series allows draining of non-pressure side of valve when closed
- multi-purpose in-line shut-off valves for use in low pressure, domestic potable water systems

base model	SV50C	SV75C	SV50C-W	SV75C-W
description	1/2" compression (5/8" OD) lead free	3/4" compression (7/8" OD) lead free	1/2" compression (5/8" OD) with drain, LF	3/4" compression (7/8" OD) with drain, LF
weight (lbs)	0.58	0.61	0.79	0.79

base model	SV50F	SV75F	SV50F-W	SV75F-W
description	1/2" FIP (5/8" OD) lead free	3/4" FIP (7/8" OD) lead free	1/2" FIP (5/8" OD) with drain lead free	3/4" FIP (7/8" OD) with drain lead free
weight (lbs)	0.55	0.64	0.57	0.64

base model	SV50S	SV75S	SV50S-W	SV75S-W
description	1/2" sweat (5/8" OD) lead free	3/4" sweat (7/8" OD) lead free	1/2" sweat (5/8" OD) with drain, lead free	3/4" sweat (7/8" OD) with drain, LF
weight (lbs)	0.45	0.59	0.48	0.62



ball valve hose bibs

251BVLF



252BVLF



253BVLF



255BVLF



301BVLF



features

- reliable brass construction with full-port ball valve operation.
- bi-direction QuickTurn operation.
- ADA Compliant.
- max pressure: 125 PSI.
- max temperature: 180 deg. F.
- lead free certified by IAPMO

base model	251BVLF	252BVLF	253BVLF
description	no-kink hose bib 1/2" MIP lead free	no-kink hose bib 3/4" sweat lead free	no-kink hose bib 1/2" FIP lead free
weight	0.7000	0.0700	0.629
case qty	10	10	10

base model	255BVLF	301BVLF	302BVLF
description	hose bib sillcock 1/2" FIP lead free	standard hose bib 3/4" MIP lead free	standard hose bib 1/2" MIP lead free
weight	0.70780	0.07000	0.07000
case qty	10	10	10

base model	351BVLF	353BVLF	355BVLF
description	no-kink hose bib 1/2" MIP lead free	no-kink hose bib 3/4" sweat lead free	hose bib sillcock 1/2" FIP lead free
weight	0.70730	0.0660	0.0760
case qty	10	10	10



angle supply stop valves

AS50C series



AS50F series



AS50S series



AS50P series



AS50X series



features

- polished chrome
- quarter turn operation
- self-lubricating teflon seals
- double o-ring for safety
- max pressure: 125 PSI
- max temperature: 160°

base model	AS50C25C	AS50C37C
description	1/4 turn, 5/8" OD x 1/4" OD compression, LF	1/4 turn, 5/8" OD x 3/8" OD compression, LF

base model	AS50F25C	AS50F37C
description	1/4 turn, 1/2" FIP x 1/4" OD compression, LF	1/4 turn, 1/2" FIP x 3/8" OD compression, LF
weight (lbs)	0.20	0.20

base model	AS50S25C	AS50S37C
description	1/4 turn, 1/2" SWT x 1/4" OD compression, LF	1/4 turn, 1/2" SWT x 3/8" OD, compression, LF
weight (lbs)	0.18	0.18

base model	AS50P25C	AS50P37C
description	1/4 turn, 1/2" CPVC x 1/4" OD compression, LF	1/4 turn, 1/2" CPVC x 3/8" OD compression, LF
weight (lbs)	0.26	0.26

base model	AS50X25C	AS50X37C
description	1/4 turn, 1/2" PEX x 1/4" OD compression, LF	1/4 turn, 1/2" PEX x 3/8" OD compression, LF
weight (lbs)	0.17	0.17



angle supply stop valves

ASR series



features

- polished chrome
- lead free
- OD compression on AS series
- quarter turn operation
- self lubricating teflon seals
- double o-ring for safety
- max pressure: 125 PSI
- max temperature: 160°



ASU series



base model	AS50R25C	AS50R37C	AS50U25C	AS50U37C
description	QuickTurn®, 1/2" REDIGRIP x 1/4" OD compression, LF	QuickTurn® 1/2" REDIGRIP x 3/8" OD compression, LF	1/4 turn, 1/2" Uponor PEX x 1/4" OD compression, LF	1/4 turn, 1/2" Uponor PEX x 3/8" OD compression, LF

AS50X75H-RN



features

- quarter turn operation
- self lubricating teflon seals
- double o-ring for safety
- max pressure: 125 PSI
- max temperature: 160°

AS50M25C-N



base model	AS50X75H-RN	AS50M25C-N
description	1/4 turn, 1/2" PEX x 3/4" MHT rhg brz w/nut - LF	angle stop qtr turn long stem 1/4" comp OD x 1/2" MIP compression -LF

straight stop valves

SS50C37C



features

- OD compression
- lead free
- polished chrome
- quarter turn operation
- self lubricating teflon seals
- double o-ring for safety
- max pressure: 125 PSI
- max temperature: 160°
- ANSI 61



SS50F37C



SS50S37C



SS50P37C



SS50X series



SS50R series

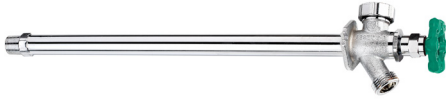


base model	SS50C37C	SS50F37C	SS50S37C	SS50P37C
description	1/4 turn, 5/8" OD x 3/8" OD compression, LF	1/4 turn, 1/2" FIP x 3/8" OD compression, LF	1/4 turn, 1/2" sweat x 3/8" OD compression, LF	1/4 turn, 1/2" CPVC x 3/8" OD compression, LF
weight (lbs)	0.21	0.20	0.17	0.25

base model	SS50X25C	SS50X37C	SS50R25C	SS50R37C
description	1/4 turn, 1/2" PEX x 1/4" OD compression, LF	1/4 turn, 1/2" PEX x 3/8" OD compression, LF	QuickTurn® 1/4" REDIGRIP x 3/8" OD compression, LF	QuickTurn® 1/2" REDIGRIP x 3/8" OD compression, LF
weight (lbs)	0.15	0.15	0.22	0.22

frost-free sillcocks

FAM series



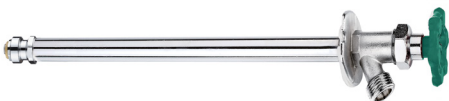
FFM series



FARG series



FFRG series



features

- available inlet types:
 - REDIGRIP push-fit inlet , 1/2" MIP, or copper sweat
- 3/4" hose thread outlet
- chrome plated
- FAM series: anti-siphon valve, FFM series: standard valve
- REDIGRIP Series: FARG series: anti-siphon valve FFRG series: standard valve
- lead free
- REDIGRIP connection certified to ASSE 1061 for easy connection system for copper, CPVC, or PEX pipe
- frost-free sillcocks provide a non-freezing water supply when installed in a building wall
- automatic draining upon shut off if the hose is removed or open
- anti-siphon models comply with ASSE 1019
- cUPC and NSF61 approved, conforms to NSF 372

base model	FA50M04	FA50M06	FA50M08
description	frost-free LF sillcock 1/2" MIP x SWT x 4"	frost-free LF sillcock 1/2" MIP x SWT x 6"	frost-free LF sillcock 1/2" MIP x SWT x 8"

base model	FA50M10	FA50M12	FA50M14
description	frost-free LF sillcock 1/2" MIP x SWT x 10"	frost-free LF sillcock 1/2" MIP x SWT x 12"	frost-free LF sillcock 1/2" MIP x SWT x 14"

base model	FA75M08	FA75M10	FA75M12
description	frost-free LF sillcock 3/4" MIP x SWT x 10"	frost-free LF sillcock 3/4" MIP x SWT x 12"	frost-free LF sillcock 3/4" MIP x SWT x 14"

base model	FF50M04	FF50M06	FF50M08
description	frost-free LF sillcock 1/2" MIP x SWT x 4"	frost-free LF sillcock 1/2" REDIGRIP x 6"	frost-free LF sillcock 1/2" MIP x SWT x 8"

base model	FF50M10	FF50M12	FF50M14
description	frost-free LF sillcock 1/2" MIP x SWT x 10"	frost-free LF sillcock 1/2" REDIGRIP x 12"	frost-free LF sillcock 1/2" MIP x SWT x 14"

base model	FA50RG04	FA50RG06	FA50RG08
description	frost-free anti-siphon LF 1/2" REDIGRIP x 4"	frost-free anti-siphon LF 1/2" REDIGRIP x 6"	frost-free anti-siphon LF 1/2" REDIGRIP x 8"

base model	FA50RG010	FA50RG12	FA50RG14
description	frost-free anti-siphon LF 1/2" REDIGRIP x 10"	frost-free anti-siphon LF 1/2" REDIGRIP x 12"	frost-free anti-siphon LF 1/2" REDIGRIP x 14"

base model	FF50RG04	FF50RG06	FF50RG08
description	frost-free LF sillcock 1/2" REDIGRIP x 4"	frost-free LF sillcock 1/2" REDIGRIP x 6"	frost-free LF sillcock 1/2" REDIGRIP x 8"

base model	FF50RG10	FF50RG12	FF50RG14
description	frost-free LF sillcock 1/2" REDIGRIP x 10"	frost-free LF sillcock 1/2" REDIGRIP x 12"	frost-free LF sillcock 1/2" REDIGRIP x 14"

garden valves

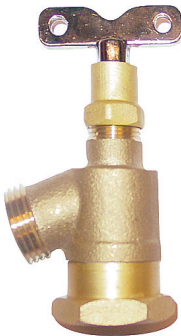
GVF series



GVF-V series



GVF-LK series



features

- lead free
- full flow design, available in bent nose or inverted nose models
- size 1/2", 3/4", and 1"
- multi-purpose external shut-off valve for use in low pressure, domestic potable water systems
- available in loose key GVF-LK series

base model	GV50F	GV75F	GV100F
description	bent nose 1/2" FIP lead free	bent nose 3/4" FIP lead free	bent nose 1" FIP lead free
weight (lbs)	0.65	0.67	0.74

base model	GV50F-V	GV75F-V	GV100F-V
description	inverted 1/2" FIP lead free	inverted 3/4" FIP lead free	inverted 1" FIP lead free
weight (lbs)	0.60	0.68	0.66

base model	GV50F-LK	GV75F-LK	GV100F-LK
description	bent nose 1/2" FIP LF - loose key	bent nose 3/4" FIP LF - loose key	bent nose 1" FIP LF - loose key
weight (lbs)	0.53	0.55	0.58



no kink hose bibs

NK50F



NK50M



NK50S



NK50C



NK50F-QT



NK50M-QT



NK50F-LK



features

- lead free no kink hose bib
- max pressure: 125 PSI
- NK-F: female inlet
- NK-M: male inlet
- NKS: sweat
- NKC: compression
- NKF-QT & NKM-QT: quick turn
- NKF-LK & NKM-LK: loose key



base model	NK50F	NK75F	NK50M	NK75M
description	no kink 1/2" FIP lead free	no kink 3/4" FIP lead free	no kink 1/2" MIP lead free	no kink 3/4" MIP lead free
weight (lbs)	0.36	0.37	0.36	0.45

base model	NK50S	NK50S-QT
description	no kink 1/2" & 3/4" sweat lead free	qtr turn, no kink 1/2" & 3/4" sweat lead free
weight (lbs)	0.42	0.30

base model	NK50C
description	no kink 1/2" compression lead free
weight (lbs)	0.44

base model	NK50F-QT	NK75F-QT	NK50M-QT	NK75M-QT
description	quick turn no kink 1/2" FIP lead free	quick turn no kink 3/4" FIP lead free	quick turn no kink 1/2" MIP lead free	quick turn no kink 3/4" MIP lead free
weight (lbs)	0.26	0.28	0.24	0.28

base model	NK50F-LK	NK75F-LK	NK50M-LK	NK75M-LK
description	no kink 1/2" FIP lead free loose key	no kink 3/4" FIP lead free loose key	no kink 1/2" MIP lead free loose key	no kink 3/4" MIP lead free loose key
weight (lbs)	0.38	0.40	0.35	0.40

sillcocks

SC50F



features

- lead free
- heavy patterned sillcock
- SC-F series female iron pipe inlet
- SC-S series copper sweat inlet
- 1/2" and 3/4"



SC50S



base model	SC50F	SC75F	SC50S
description	1/2" FIP lead free	3/4" FIP lead free	1/2" or 3/4" sweat lead free
weight	0.57	0.61	0.61

base model	SC50F-QT	SC75F-QT	SC50S-QT
description	qtr turn 1/2" FIP lead free	qtr turn 3/4" FIP lead free	qtr turn 1/2" or 3/4" sweat lead free
weight	0.53	0.55	0.58

standard hose bibs

HBM series



features

- lead free
- heavy patterned hose bib
- HBM series male iron pipe inlet
- HBM-QT series QuickTurn®
- 1/2" and 3/4"

base model	HB50M	HB75M
description	1/2" MIP lead free	3/4" MIP lead free
weight (lbs)	0.36	0.45

HBM-QT series



base model	HB50M-QT	HB75M-QT
description	qtr turn ball valve 1/2" MIP lead free	qtr turn ball valve 3/4" MIP lead free
weight (lbs)	0.32	0.49

boiler drains

BD50C



features

- lead free
- heavy construction
- multi-purpose supply/drain valves for use in low pressure, domestic potable water systems

base model	BD50C
description	compression connection 1/2" (5/8" OD) lead free
weight (lbs)	0.56

BDM series



base model	BD50M-QT	BD75M-QT
description	qtr turn MIP 1/2" lead free	qtr turn MIP 3/4" lead free
weight (lbs)	0.28	0.30

BDF series



base model	BD50M	BD75M
description	heavy duty 1/2" MIP lead free	heavy duty 3/4" MIP lead free
weight (lbs)	0.49	0.55

BD50X



base model	BD50F-QT	BD75F-QT
description	qtr turn FIP 1/2" lead free	qtr turn FIP 3/4" lead free
weight (lbs)	0.27	0.30

base model	BD50F	BD75F
description	heavy duty FIP 1/2" lead free	heavy duty FIP 3/4" lead free
weight (lbs)	0.48	0.53

base model	BD50X
description	PEX 1/2" lead free
weight (lbs)	0.53

vacuum breaker



features

- lead free
- Forged brass body
- Fits any 3/4" hose thread outlet
- Break-off attachment screw for permanent installation

base model	VB75F
description	vacuum breaker 3/4" FHT
weight (lbs)	0.15

washing machine valves

WM50C



features

- use for hot or cold water systems
- compatible with a variety of piping
- lead free



WM50F



base model	WM50C	WM50F
description	1/2" compression (5/8" OD) x 3/4" MHT-LF	1/2" FIP x 3/4" MHT plated lead free
weight (lbs)	0.42	0.36

WM50M-B



base model	WM50M-R	WM50M-B
description	long stem 1/2" red handle	long stem 1/2" blue handle
weight (lbs)	0.46	0.46

WM50M-R



braided stainless steel supply lines



features

- use for hot or cold water systems
- compatible with a variety of piping
- lead free

supply line

base model	HS37C50F-16	HS37C50F-20	HS37C50F-24	HS37C50F-36
description	3/8" comp x 1/2" FIP x 16" long	3/8" comp x 1/2" FIP x 20" long	3/8" comp x 1/2" FIP x 24" long	3/8" comp x 1/2" FIP x 36" long

base model	HS37C37C-12	HS37C37C-16	HS37C37C-20	HS37C50F-12
description	3/8" comp x 3/8" comp x 12" long	3/8" comp x 3/8" comp x 16" long	3/8" comp x 3/8" comp x 20" long	3/8" comp x 1/2" FIP x 12" long

HS37C87B-12



base model	HS50F50F-12	HS50F50F-16	HS50F50F-20	HS50F50F-24	HS50F50F-36
description	1/2" FIP x 1/2" FIP x 12" long	1/2" FIP x 1/2" FIP x 16" long	1/2" FIP x 1/2" FIP x 20" long	1/2" FIP x 1/2" FIP x 24" long	1/2" FIP x 1/2" FIP x 36" long

toilet supply line

HS75F75F-20



base model	HS37C87B-12	HS37C87B-16	HS37C87B-20
description	3/8" comp x 7/8" BC x 12" long	3/8" comp x 7/8" BC x 16" long	3/8" comp x 7/8" BC x 20" long

HS25C25C-20



water heater connector

base model	HS75F75F-20	HS75M75M-20
description	3/4" FIP x 3/4" FIP x 20" long	3/4" MIP x 3/4" MIP x20" long

ice maker connector

base model	HS25C25C-20
description	1/4" comp x 1/4" comp x 20" long

HS75H75H-48



washing machine connector

base model	HS75H75H-48	HS75H75H-72
description	3/4" FHT x 3/4" FHT x 48" long	3/4" FHT x 3/4" FHT x 72" long





REDIGRIP

— FITTINGS —

REDIGRIP push-fit adapters

RGC series



features

- lead free push-fittings
- REDIGRIP adapters allow easy connection system for copper, CPVC or PEX pipe within seconds, no soldering required
- max pressure 232 PSI
- max temp 203°

RGE series



RGT series



RGP50



base model	RGC50	RGC75	RGC100
description	lead free REDIGRIP coupling 1/2" x 1/2"	lead free REDIGRIP coupling 3/4" x 3/4"	lead free REDIGRIP coupling 1" x 1"
weight (lbs)	0.159	0.251	0.43

base model	RGC75-R	RGC100-R
description	lead free REDIGRIP coupling 3/4" x 1/2"	lead free REDIGRIP coupling 1" x 3/4"
weight (lbs)	0.196	0.353

base model	RGE50	RGE75	RGE100
description	lead free REDIGRIP elbow 1/2" x 1/2"	lead free REDIGRIP elbow 3/4" x 3/4"	lead free REDIGRIP elbow 1" x 1"
weight (lbs)	0.201	0.304	0.575

base model	RGE75-R	RGE50-F
description	lead free reducing REDIGRIP elbow 3/4" x 1/2"	lead free REDIGRIP elbow 1/2" x 1/2" FNPT with mounting flange
weight (lbs)	0.26	0.353

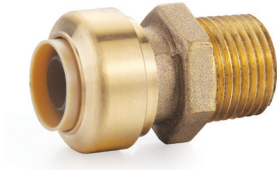
base model	RGT50	RGT75	RGT100	RGT75-RS
description	lead free REDIGRIP tee 1/2" x 1/2" x 1/2"	lead free REDIGRIP tee 3/4" x 3/4" x 3/4"	lead free REDIGRIP tee 1" x 1" x 1"	lead free REDIGRIP tee 3/4" x 3/4" x 1/2"
weight (lbs)	0.304	0.454	0.772	0.375

base model	RGT75-RT	RGT75-R	RGT100-RS
description	lead free REDIGRIP tee 3/4" x 1/2" x 3/4"	lead free REDIGRIP tee 3/4" x 1/2" x 1/2"	lead free REDIGRIP tee 1" x 1" x 3/4"
weight (lbs)	0.386	0.337	0.639

base model	RGP50	RGP75	RGP100
description	lead free REDIGRIP plug 1/2"	lead free REDIGRIP plug 3/4"	lead free REDIGRIP plug 1"
weight (lbs)	0.077	0.13	0.258

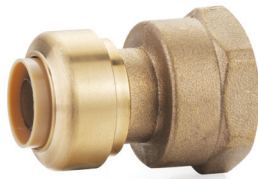
REDIGRIP push-fit adapters

RGAM series



base model	RGA100M100	RGA100M75
description	lead free REDIGRIP adapter 1" x 1" MNPT	lead free REDIGRIP adapter 1" x 3/4" MNPT
weight (lbs)	0.401	0.353

RGA series



base model	RGA50M	RGA50M75	RGA75M75
description	lead free REDIGRIP adapter 1/2" x 1/2" MNPT	lead free REDIGRIP adapter 1/2" x 3/4" MNPT	lead free REDIGRIP adapter 3/4" x 3/4" MNPT
weight (lbs)	0.147	0.218	0.196

base model	RGA50F50	RGA50F75	RGA75F75	RGA100F100
description	lead free REDIGRIP adapter 1/2" x 1/2" FNPT	lead free REDIGRIP adapter 1/2" x 3/4" FNPT	lead free REDIGRIP adapter 3/4" x 3/4" FNPT	lead free REDIGRIP adapter 1" x 1" FNPT
weight (lbs)	0.157	0.181	0.223	0.353

RGEA series



base model	RGEA50M50	RGEA50F50
description	lead free REDIGRIP elbow adapter 1/2" x 1/2" MNPT	lead free REDIGRIP elbow adapter 1/2" x 1/2" FNPT
weight (lbs)	0.216	0.196

additional items

REDIGRIP release tool



base model	RGR50	RGR75	RGR100
description	REDIGRIP release tool 1/2"	REDIGRIP release tool 3/4"	REDIGRIP release tool 1"
weight (lbs)	0.013	0.018	0.031

terms and conditions

TERMS:	Net 30 days after invoice date. All invoices mature from invoice date, not from receipt of invoice or material.
F.O.B.:	All sales are F.O.B. Factory. Will-calls not picked up after 5-days from notification will be shipped by common carrier under normal freight terms.
FREIGHT:	Prepaid to one location within the continental United States (48 contiguous states) on Net Invoice over \$1,500. All other shipments are shipped freight collect.
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 equal to 1.5% of any outstanding balances.
PRICES:	Prices are subject to change without notice.
SHORTAGE:	Factory must be notified within 5 days from receipt of goods or shipment will be considered correct. No debits will be accepted until the factory determines final disposition.
PRODUCT DESIGN:	Manufacturer reserves the right to redesign, alter, or modify its product without incurring liability for customer inventory and future repair problems.
DEFECTIVE RETURNS:	Written Return Goods Authorization (RGA) must be obtained prior to returning any defective material. Freight must be prepaid by customer with proof of purchase or invoice number. Freight will be credited on warranty items only. Parts returned without proof of purchase will be credited at Company's discretion.
OVERSTOCK:	Written factory authorization must be obtained prior to any returns. A 30% restocking charge will be deducted from returned goods. All products are subject to inspection and, if found unsellable, will be discarded or returned at customers request and cost.

limited warranty

Champion-Arrowhead warrants this products to be free from defects in material or workmanship, under normal use and service, for a period of three years from date of purchase by the original buyer (the "Warranty Period"). Champion-Arrowhead promises to replace or repair any part of this product that proves to be defective in material or workmanship 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 of product failure. Buyer's remedies are limited to return of the products and either repayment of the original purchase price or repair and/or replacement of nonconforming parts or products. Products alleged to be defective must be returned to Company in a timely manner for inspection before any remedy may be applied. The decision on how to remedy parts or products found to be defective will be made at the sole discretion of Champion-Arrowhead. In no event shall Champion-Arrowhead be liable for incidental or consequential damages, for damages resulting from improper installation, improper repair, or damages caused by neglect, abuse, or alteration. All implied warranties including any implied warranty of merchantability or fitness for any particular purpose are limited to a period of three years from the date of purchase. No person is authorized to change, add to, or create any warranty or obligation other than that set for here in. To obtain warranty service, contact your local dealer and/or contractor from whom you purchased this product. There are no warranties, express or implied, of the merchantability or fitness for a particular purpose, except as expressly described herein.



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