



## Brass Insert Nozzles



### Features:

- For use on all 17, 18 and 19 series sprinklers
- Domestic brass construction
- Adjustable flow and radius
- Matched precipitation rate

### Operating Specifications:

- Precipitation rate: 1.7 to 6.6 in./hr
- Operating pressure: 15 to 30 psi
- Flow range: .5 to 4.0 gpm
- Spacing: 8' to 15'

### CHAMPION Performance Chart

Insert No.	Pressure		Flow GPM	Radius feet	Precipitation Rates	
	PSI	in/hr ▲			in/hr ■	in/hr ▲
SF	15	3.20	12.00	2.14	2.49	
	20	3.50	13.00	1.99	2.32	
	25	3.70	14.00	1.82	2.11	
Full 15'	30	4.00	15.00	1.71	1.99	
	15	1.60	12.00	2.14	2.49	
	20	1.90	13.00	2.17	2.52	
Half 15'	25	2.00	14.00	1.97	2.29	
	30	2.20	15.00	1.88	2.19	
	15	0.90	12.00	2.41	2.80	
SQ	20	1.00	13.00	2.28	2.65	
	25	1.10	14.00	2.16	2.51	
	30	1.30	15.00	2.23	2.59	

ITEM	DESCRIPTION
16000040	SF-15 CHAMPION FULL INSERT
16000042	SH-15 CHAMPION HALF INSERT
16000044	SQ-15 CHAMPION QUARTER INSERT

## Pop-Up Sprinkler Models 18, 18HP



### Features:

- Domestic brass
- Pop-ups rise 1 1/4" (model 18)
- High Pop-up (HP model) rises 2"
- Nozzles sold separately

### Operating Specifications:

- Precipitation rate: 1.7 to 6.6 in./hr
- Operating pressure: 15 to 30 psi
- Flow range: .5 to 4.0 gpm
- Spacing: 12' to 15'

ITEM	DESCRIPTION
16000060	18 CHAMP BRASS POPUP BODY ONLY
16000064	18HP CHAMP HIGH POP BODY ONLY

## Shrub Sprinkler Model 19



### Primary Application

### Features:

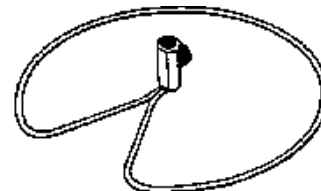
- Domestic solid brass construction
- Accepts all brass insert nozzles
- Nozzles sold separately

### Operating Specifications:

- 1/4" NPT female inlet.
- Operating pressure: 5 to 30 psi

ITEM	DESCRIPTION
16000070	19 CHAMP BRASS SHRUB BODY ONLY

## Sprinkler Base



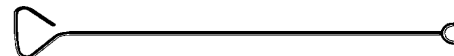
### Primary Application

### Features:

- 3/4" hose, 1/2" sprinkler (WS-50)
- 3/4" hose, 3/4" sprinkler (WS-75)

ITEM	DESCRIPTION
16000110	SPRINKLER STAND HOSE X 1/2 FPT
16000120	SPRINKLER STAND HOSE X 3/4 FPT

## 30" Manual Valve Key



ITEM	DESCRIPTION
16000480	30 IN MANUAL VALVE KEY
16000490	54 IN MANUAL VALVE KEY

## QCV Key



### Features:

- Key for locking quick couplers and valve markers

ITEM	DESCRIPTION
16000500	LOOSE KEY FOR HOSE BIB/QCV

## Sprinkler Head Wrench



### Features:

- For installing and removing sprinkler inserts
- Spanner end connects heads to pipe-riser
- Quality cast aluminum construction

ITEM	DESCRIPTION
16000510	29 CHAMPION ALUM WRENCH



## Anti-Siphon Valves 466 Series



### Features:

- Domestic red brass construction
- Atmospheric vacuum breaker for reliable backflow prevention-
- Easily converts to automatic operation with an actuator

### Operating Specifications:

- Operating pressure: 25 to 150 psi
- Flow range: 5 to 35 gpm

ITEM	DESCRIPTION
16000512	V-19-466P 3/4 AS BODY CHAMPION
16000514	V-19-466P 1 AS BODY CHAMPION
16000516	V-19-466 3/4 AS BODY CHAMPION
16000518	V-19-466 1 AS BODY CHAMPION
16000520	466P 3/4 CHAMP A/S VALVE L/UN
16000530	466P 1 CHAMP A/S VALVE L/UN
16000620	466 3/4 CHAMP A/S VALVE
16000630	466 1 CHAMP A/S VALVE

## 100, 200 & 300 SERIES MANUAL VALVES

### 100 Series Straight Valve



### Features:

- Domestic red brass construction
- Effectively regulates water supplies
- Full-size waterways for low pressure loss
- Easily converts to automatic operation
- RS Series features rising swivel stem

ITEM	DESCRIPTION
16000720	100 3/4 CHAMP GLOBE CNTR VLV
16000725	100RS 3/4 CHAMP RS GLOBE VLV
16000730	100 1 CHAMP GLOBE CNTR VLV
16000735	100RS 1 CHAMP RS GLOBE VLV
16000740	100 1-1/4 CHAMP GLOB CNTR VLV
16000750	100 1-1/2 CHAMP GLOB CNTR VLV
16000760	100 2 CHAMP GLOBE CNTR VALVE

### 300 Series Angle With Union



### Operating Specifications:

- 3/4" and 1" rated to 150 psi
- 1 1/4" to 2" rated to 200 psi
- Flow rate: 5 to 200 gpm

ITEM	DESCRIPTION
16000920	300 3/4 CHAMP MAN AC VLV W/UN
16000930	300 1 CHAMP MAN AC VLV W/UN
16000940	300 1-1/4 CHAMP MAN AC VLV WUN
16000950	300 1-1/2 CHAMP MAN AC VLV WUN
16000960	300 2 CHAMP MAN AC VLV W/UN

### 200 Series Angle Less Union



ITEM	DESCRIPTION
16000820	200 3/4 CHAMP MAN AC VLV L/UN
16000825	200RS 3/4 CHAMP RS ANGLE VLV
16000830	200 1 CHAMP MAN AC VLV L/UN
16000835	200RS 1 CHAMP RS ANGLE VALVE
16000840	200 1-1/4 CHAMP MAN AC VLV LUN
16000850	200 1-1/2 CHAMP MAN AC VLV LUN
16000860	200 2 CHAMP MAN AC VLV L/UN

### Hose Bib Vacuum Breaker



### Features:

- Prevents backflow of water into potable water lines
- Solid brass construction

ITEM	DESCRIPTION
16000991	VBH 3/4 HOSE BIB VAC BREAKER

## PRESSURE LOSS (PSI)

Model*	FLOW (gpm)																				
	5	10	15	20	25	30	35	40	45	50	60	70	80	90	100	120	140	160	180	200	
100 (RS)-075	.5	1.8	3.9	6.8																	
100 (RS)-100			1.3	2.6	3.4	5.2															
100RS-125						1.1	1.6	2.3	2.9	3.5											
100RS-150											2.3	2.9	4.2	4.9	6.2	9.0	11.9				
100RS-200															2.0	2.9	4.2	5.2	6.5	8.4	
200 (RS)-075	.1	.5	1.1	2.2																	
200(RS)-100				.7	1.1	1.3	1.8														
200RS-125								.7	.9	1.2	1.4	2.1									
200RS-150													1.0	1.6	2.1	2.3	3.0	4.4	5.6		
200RS-200																	1.1	1.5	2.0	2.6	
300(RS)-075	.1	.5	1.1	2.2																	
300(RS)-100				.7	1.1	1.3	1.8														
300RS-125							.7	.9	1.2	1.4	2.1										
300RS-150											1.0	1.6	2.1	2.3	3.0	4.4	5.6				
300RS-200															1.1	1.5	2.0	2.6			

\* Flow rates indicated represent optimum range for each model.



## Atmospheric Vacuum Breaker



### Features:

- Domestic red brass construction
- Prevents backflow of water into potable water lines
- Full-size waterways for low pressure loss
- Not designed for constant pressure applications

### Operating Specifications

- Operating pressure: up to 150 psi
- Flow range: 5 to 140 gpm

### PRESSURE LOSS CHART

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

ITEM	DESCRIPTION
16000992	262 3/4 CHAMPION ATMOS VAC BKR
16000993	262-1 CHAMPION ATMOS VAC BKR
16000994	262-11/4 CHAMPION ATMOS VAC BK
16000995	262-11/2 CHAMPION ATMOS VAC BK
16000996	262-2 CHAMPION ATMOS VAC BKR

## Brass Hose Nozzles

### Features:

- 34 (2" hose sweeper nozzle)
- 35 (6" hose sweeper nozzle)



ITEM	DESCRIPTION
16002110	34 CHAMPION 2IN SWEEPER NOZZLE
16002120	35 CHAMPION 6IN SWEEPER NOZZLE

## NIBCO Boiler Drains



- 74CCL Copper or male threads to hose
- 73CL threaded to hose

ITEM	DESCRIPTION
16300010	1/2 73CL NIBCO FIPT BOILER DRN
16300020	3/4 73CL NIBCO FIPT BOILER DRN
16300110	1/2 74CL NIBCO MIPT BOILER DRN
16300120	3/4 74CL NIBCO MIPT BOILER DRN

## Hose Bibs & Garden Valves



### Features:

- Domestic brass construction
- Full flow inlet and outlet
- Attached handle or removable key handle

### Operating Specifications:

- 3/4" hose connection
- 1/2", 3/4" and 1" female NPT connections

ITEM	DESCRIPTION
16001020	B-401 CHAMPION HOSE BIB W/HNDL
16001030	B402 CHAMPION HSE BIB W/HDL 3/4X1
16001060	I-401 CHAMP INVERTED HOSE BIB
16001090	I-401LK CHAMP INVERTD HOSE BIB
16001120	B-401LK CHAMPION HOSE BI B W/KY
16001130	B402LK CHAMP HSE BIB W/KY3/4X1
16001150	HB-1M CHAMP HOSE BIB 1/2 MPT
16001160	HB-2M CHAMP HOSE BIB 3/4 MPT
16001170	HB-1F CHAMP HOSE BIB 1/2 FPT
16001180	HB-2F CHAMP HOSE BIB 3/4 FPT

## Slip Joint Unions & Tees



### Features:

- Domestic red brass construction
- Neoprene compression gaskets
- Used to repair broken pipe or to attach threaded pipe to non-threaded pipe

ITEM	DESCRIPTION
16001305	SJT-9 SLIP JOINT TEE 1/2 X 3/4
16001310	SJT-10 SLIP JOINT TEE 3/4 X 1
16001320	SJT-13 SLIP JT TEE 3/4 X 3/4
16001330	SJT-15 SLIP JOINT TEE 1 X 1

## Brass Hose & Pipe Fittings



### Features:

- Domestic brass construction

### Models:

- 5 Swivel Fitting (3/4" Female hose thread to 1/2" male pipe thread)
- 7 Swivel Fitting (3/4" Female hose thread to 3/4" female hose thread)
- 8 Non-Swivel Fitting (3/4" Male hose thread to 3/4" male pipe thread/1/2" female pipe thread)
- 10 Non-Swivel Fitting (3/4" Male hose thread to 1/2" male pipe thread)
- 12 Swivel Fitting (3/4" Female hose thread to 3/4" female pipe thread)
- 13 Swivel Fitting (3/4" Female hose thread to 1/2" female pipe thread)

ITEM	DESCRIPTION
16002010	#5 SWIVEL 3/4 FHT X 1/2 MPT
16002020	#7 SWIVEL 3/4 FHT X 3/4 FHT
16002030	#8 3/4 MHT X 3/4 MPT -1/2 FPT
16002040	#10 ADAPTOR 3/4 MHT X 1/2 MPT
16002060	#12 SWIVEL 3/4 FHT X 3/4 FPT
16002070	#13 SWIVEL 3/4 FHT X 1/2 FPT

## Automatic Actuators



### Features:

- Easily converts Champion manual valves to automatic operation
- Compatible with standard automatic controllers

### Operating Specifications:

- Minimum flow: 5 gpm
- Operating pressure:
  - AA Series: 25 to 150 psi
  - PAA Series: 25 to 125 psi
  - CL Series: 25 to 150 psi

ITEM	DESCRIPTION
16003020	PCL-075 CHAMP PLASTIC ACTUATOR
16003030	PCL-100 CHAMP PLASTIC ACTUATOR
16003120	CL-075 CHAMP CLASSIC ACTUATOR
16003130	CL-100 CHAMP CLASSIC ACTUATOR
16003220	AA-075 3/4 CHAMP AUTO ACTUATOR
16003230	AA-100 1 CHAMP AUTO ACTUATOR