

# Flow Controls

## Flow Controls

Haws flow controls are engineered to provide a proper drinking stream height at pressures varying from 30 to 100 PSI. It is important that the flow control selected match the bubbler orifice (See Below). All flow controls exceed the standards of the Safe Drinking Water Act and Lead Contamination Control Act. All components in the waterway contain less than 0.1% lead.

### Servicing Instructions for Flow Controls:

If the fountain does not have the proper stream height, please check the following:

- ❶ If a screwdriver stop is used on the fountain, verify it is fully opened.
- ❷ Verify minimum 30 PSI supply line pressure.
- ❸ If strainer is used on fountain, remove and flush thoroughly to remove all sediment.
- ❹ Verify that the flow control is the proper size for the bubbler orifice. (See below)
- ❺ If the water dribbles out of the bubbler, the rubber flow orifice is clogged, remove it and clean. If the problem recurs, install a filter or strainer on the supply side of the flow control.
- ❻ If the bubbler stream continues to vary in height, replace the flow control.

### Servicing Instructions for Bubbler Heads and Assemblies:

Prior to June 1984 most Haws fountains used a .7 GPM flow control painted red and typically located on the outlet side of the valve. The bubbler head's nozzle was 17/64" diameter to accommodate a .7 GPM flow rate. From June 1984 to April 1991 most Haws fountains changed to a .4 GPM flow control painted yellow and typically located at the base of the bubbler head. The bubbler head's nozzle was changed to approximately 13/64" diameter to accommodate a .4 GPM flow rate. After December 1985 the nozzles on most of the bubbler heads were removed entirely, and they were drilled for a .4 GPM flow rate. For proper flow, the bubbler head orifice (or nozzle) and the flow control must have equal flow rates. Both must be either .4 or .7 GPM. If replacing an old style .7 GPM head, Haws recommends the following two options:

- ❶ Replace both the head and the flow control with a new .4 GPM head and flow control. Check with your local Haws representative or contact the factory for proper flow control model for the fountain to be repaired.
- ❷ Replace the old head, valve and flow control with a new lead free head and the 5872 valve.

In 1991 flow controls were eliminated from most Haws fountains with the introduction of the model 5872 self regulating, diaphragm valve (See page 25). The size of the bubbler head orifice did not change.

Also check to be sure nothing has been pushed into the orifice which may be obstructing the flow.



6381

## Model 6381

Used on the single bubbler wall mounted freeze resistant fountains using the 6521FR valve. Lead free brass compression elbow, .4 GPM flow rate, 3/8" NPT(M) inlet x 3/8" OD compression outlet.



6382

## Model 6382

Used on the two and three bubbler wall mounted freeze resistant fountains using the 6522FR and 6523FR valves. Lead free brass compression connector, .4 GPM flow rate, 3/8" NPT(M) inlet x 3/8" OD compression outlet.

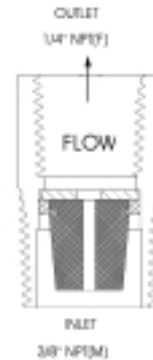
LEAD  FREE

## Model 6388

Used on the pedestal mounted freeze resistant fountains using the 6518FR, 6518.2FR freeze resistant valves. Stainless steel adapter nipple, .4 GPM flow rate, 3/8" NPT(M) inlet x 1/4" NPT(F) outlet.



6388



## Model 6390

Flow control insert with brass body, .4 GPM flow rate.



6390

## Model 6394

Used on current Model 5054LF as well as older Models 5051, 5055 and 5056. Lead free Tellurium copper coupling with .4 GPM flow rate. Includes cone and friction washers, and slip joint nut. 9/16" OD inlet x 1/2" NPT(F) outlet.



6394



## Model 6399

Used on discontinued pedestal freeze resistant valve Model 6516HFP. Brass compression connector with .4 GPM flow rate. 1/4" NPT(M) inlet x 3/8" OD compression outlet.



6399

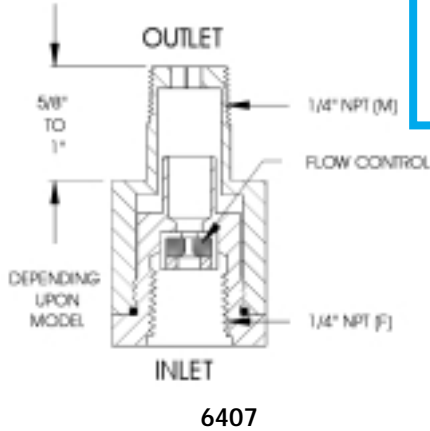
## Model 6400

Flow control insert with brass body, .7 GPM flow rate.



6400

LEAD  FREE



6407

## Model 6407

Chrome plated brass bubbler mounting spud with 1" shank and .4 GPM flow rate. 1/4" NPT(F) inlet x 1/4" NPT(M) outlet.

## Model 6407.1

Chrome plated brass bubbler mounting spud with 5/8" shank and .4 GPM flow rate. 1/4" NPT(F) inlet x 1/4" NPT(M) outlet.



6408

## Model 6408

Used on various deck mounted drinking faucets prior to 1984. Tellurium copper coupling with .7 GPM flow rate. Includes cone and friction washers, and slip joint nut. 9/16" OD inlet x 1/2" NPT(F) outlet.



6410

## Model 6410

Brass compression elbow with .7 GPM flow rate. 1/4" NPT(M) inlet x 1/4" OD compression outlet.



6412

## Model 6412

Brass compression connector with .7 GPM flow rate. 1/4" NPT(M) inlet x 1/4" OD compression outlet.



6413

## Model 6413

Brass nipple with patented\* three hole strainer, 1 1/2" long with .7 GPM flow rate. 3/8" NPT(M) x 3/8" NPT(M).

\*Patent #3,642,031



6414

## Model 6414

Brass compression elbow with .7 GPM flow rate. 1/4" NPT(M) inlet x 3/8" OD compression outlet.

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