



Development Services Department
P.O. Box 27210
201 N. Stone Ave
Tucson, AZ 85726

PLUMBING REQUIREMENTS FOR FOOT SPAS

- 1) General
 - a) All foot spa units being connected to the building plumbing system shall be listed by a recognized testing and listing agency as complying with ASME/ANSI A112.19.7M, Whirlpool Bathtub Appliances.
- 2) Water Supply
 - a) Backflow protection required
 - i) Each foot spa shall have separate backflow protection
 - ii) Both hot and cold water services require separate backflow protection
 - b) Water used for tub fill only
 - i) Air gap of three times the diameter of each water inlet
 - ii) Reduced pressure principle backflow prevention assembly
 - iii) Pressure-type vacuum breaker installed not less than 12" above the flood rim of the foot spa
 - c) Units with spray attachments
 - i) Reduced pressure principle backflow prevention assembly
 - d) Size of water supply pipes
 - i) Pipe sizes are to be based on 2 fixture units per spa (3/8" water outlet)
- 3) Drainage
 - a) Gravity drain (Section 709.0, 2006 UPC)
 - i) Direct connection (Sections 1001.1 and 1002.1, 2006 UPC)
 - (1) Foot spa units shall be directly connected to the waste system through a trap and vent.
 - (2) Trap, trap arm, and waste piping shall be sized per the current plumbing code
 - (3) Pipe sizes are to be based on 2 fixture units per spa
 - b) Pumped discharge (Section 807.1, 2006 UPC)
 - i) Foot spa units shall be equipped with a listed discharge pump and a check valve in the discharge pipe.
 - ii) The foot spa units shall discharge separately to a vented and trapped indirect waste receptor with an air gap.
 - iii) The pumped discharge pipe shall be Type DWV copper, Schedule 40 PVC, or Schedule 40 ABS
 - (1) The pumped discharge pipe shall be pitched from the high point of its run down toward the indirect waste receptor. The minimum pitch shall be 1/4" per 12".
 - iv) Approved indirect waste receptors include:
 - (1) Floor sinks directly connected to the sanitary drain system.
 - (2) Clothes washer standpipes directly connected to the sanitary drain system.
 - (3) Pipe and trap sizes for the indirect waste receptor are to be based on 2 fixture units per spa draining to the receptor.

Jessie Sanders, Deputy Director
Acting Building Official