

TEST TYPE	PSI/TYPE	TIME	CODE REF	NOTES
GAS (see note 1 below)	1.5 times working pressure or 3 psi	30 minutes	UPC 1214.4.2	Gas valves should be tested in the open position with a nipple and cap. Appliance connections are later tested with soapy water.
GAS (NW Energy)	10 psi	15 minutes		NW Energy requirement
TRAC PIPE (CSST)	1.5 times working pressure or 10 psi	30 minutes	UPC 1214.4.2	Not to exceed 40 psi on 1.5" to 2" pipe. CSST Handbook page 62 and NW Energy
Drain Waste Vent (DWV) DWV	5 psi Water test 10 ft head	15 minutes 15 minutes	UPC 712.3 UPC 712.2	
INTERIOR RAIN LEADERS	Water test 10 ft head	15 minutes	UPC 1109.2	Air test of 5psi permitted in Bozeman
WATER SUPPLY SYSTEM (See note 2 below)	Air at working pressure or 80psi 80psi is max psi in Bozeman	15 minutes	UPC 609.4	1. Water test to be with potable water. 2. Working Pressure not less than 15 psi UPC 608.2
IN SLAB RADIANT HEAT	1.5 times max. working pressure or 100 psi	15 minutes	IMC 1208.1	
During concrete pour	Pressurized to maximum working pressure	Until all concrete work is complete	IMC 1209.2	
Ground source heat loop systems; after being backfilled	1.5 X maximum working pressure or 100 psi	30 minutes	IMC 1209.1.1	If 10% or more differential, discovery and repair is required.

NOTE:

1. Gas valves are stamped with a psi rating e.g. 1/2 psi etc, also the brass body of the valves are stamped 600. The 600 means that the brass body is rated 600 psi. According to Red and White Valve Corp Tech support, regardless of what the psi rating is on a valve all their valves have a minimum rating of 175 psi in the open or closed position.

2. Pressure reduction valves observed in the field are typically rated between 25-80psi (residential). Most faucets used in residences are rated at 85psi. The point is that excessive pressure can damage valves and appliances i.e. dishwashers, clothes washers etc.