

March 19, 2025

Under Pressure...

Inquiries are often received about the pressure markings found on the [BA-475B](#) brass ball valves. These valves feature two markings – **5G** and **½ PSIG** marking. These are required markings pertaining to specific installation standards when the **valve is used as a gas shut-off valve**. These markings simply provide a visual indication that the valves are certified to a particular standard for use.

It is not the valve design that limits the pressure to these values. The restraints of the two standards are the limiting factor, and only in the application as gas shut-off valves. Outside of these specific installations, the BA-475B is still rated to 600 PSIG Water, Oil or Gas.



The 5G mark signifies that the valve meets the requirements of [ASME B16.44](#). B16.44 applies to quarter-turn, manually-operated metallic valves, intended for indoor installations as shutoff valves when installed in above-ground, fuel gas piping, downstream of the gas meter outlet and upstream of the inlet connection to a gas appliance. The valves covered by B16.44 are limited to application temperatures between 32° F and 125° F at pressures not to exceed **5 PSIG**.



B16.44 does not apply to manually-operated gas valves which are an integral part of a gas appliance. These integral gas valves are subject to the *American National Standard for Manually Operated Gas Valves for Appliances, Appliance Connector Valves, and Hose End Valves, ANSI Z21.15/CGA 9.1* ANSI Z21.15 states that "A permanent marking specifying the maximum pressure rating of **½ PSIG** (3.5 KPa) shall be provided on each valve".

Understandably, folks tend to get tripped up with regards to the two above mentioned markings, and the valve's overall design rating of 600 psig Water, Oil or Gas. Certifications for both standards are done by The CSA Group.

For more information or clarification, please contact your [**Milwaukee Valve Customer & Field Support Representative**](#).



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