

PRESTO-TAP®  
LDS “LPV” (Lo-Pressure/Lock Valve)  
Description of Use and Operation

This ½" F.NPT x ½" F.NPT “Tamper-Resistant” valve is designed to be permanently installed in the gas piping immediately outside the structure and inside the structure for attaching appliances (i.e., space heaters, water heaters, cook tops, etc.) where pressure testing (i.e., “line-flow volume” and “dead-end” tests) can be performed utilizing the LDS “LPV” side pressure tap. Install with the pressure tap downstream of the shut-off handle and valve.

By utilizing the Presto-Tap Quick Adapter directly attached to an instrument or with a hose barb attached, standard industry instruments such as water manometers, ounce gauges, and Inch Water Column gauges can be attached to the LDS “LPV” side pressure tap, thus allowing pressure readings to be taken without “breaking the system” and installing a temporary testing device.

This valve can also be installed at the “dead-end” (normally capped) interior-piping outlet that has been installed for expansion reasons but is initially unused. At this location, the LP Dealer or other installer of the piping can utilize the “Locking Capability” to initially “cap” the outlet, to give the Fuel Supplier an opportunity to properly inspect and approve the appliances being installed, and to test for leaks prior to operation. In addition to “locking” the valve, install a ½” M.NPT plug, as required by NFPA and most local jurisdictions.

Installed outside the structure upstream at the second stage regulator, measurement and documentation of fuel flow at that location can occur easily and the regulator replaced without interrupting service to the entire system. In addition, should a problem be discovered in one structure with multiple structures being serviced by one primary source (i.e., a propane tank), the “Tamper-Resistant” LDS “LPV” can be “locked” to discourage improper use at that location until proper repairs can be made or the regulator replaced without interrupting service at other locations.

The “Locking” feature involves a “Special Security Screw” that attaches the “open/close” handle to the valve stem. Using a special tool to loosen the security screw and remove the handle, the piping contractor and/or the LP Dealer Driver or Service Technician can position the handle to “lock” the handle in the closed position. The valve cannot be locked in the open position because the Consumer may need to close the valve if the appliance has experienced a problem or an accident has occurred and fuel flow needs to be terminated.

In summary, this valve provides the capability for Fuel Suppliers to perform interior appliance location pressure readings without “breaking the system” to install a pressure testing device, de-installing the temporary test device, reassembly of the system, and testing (with soap or electronic device) to make sure a gas leak is not occurring at that point. It also provides access to Supplier personnel in possession of the “special locking tool”, restricting access of gas Consumers who do not have the “special locking tool”. In short, the Fuel Supplier is better positioned to control proper and safe gas usage, in specific structures and with specific appliances.

A Presto-Tap® “Warning Tag” is attached to the LDS “LPV” that instructs the consumer to contact their fuel supplier before operating the valve so that any structure or appliance installation is inspected, tested, and approved by qualified personnel prior to becoming operational.

Meets NFPA Pub. 54 and 58 Requirements – UL Listed

U.S. Patents 5,787,916 and 5,992,438 and 6,209,560 and 6,209,563 and 6,223,766 apply with Canadian Patents pending.

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