



Yenen Shut-off Valve Installation and Maintenance Manual

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READ THIS MANUAL BEFORE INSTALLING THE SHUT-OFF VALVE

The proper operation of the shut-off valve depends on correct installation and regular maintenance. Please read all warnings and follow the instructions carefully. Failure to follow the below precautions and the warning instructions in this manual will violate all warranties and may result in environmental contamination due to liquid leakage to the soil, creating hazardous spill conditions. Follow all rules, codes and laws that apply to your area and installation.

Contact Yenen

Trouble in installing and maintenance of the shut-off valve should be referred to your authorized Yenen dealer or to Yenen technical support (+90 216 487 5924).

Explanation of symbols



Notice: indicates a special comment or instruction.



Warning: Indicates the presence of a hazard that can cause severe personal injury or property damage if not observed carefully.



This manual provides instructions and guidelines. The remarks and warnings inform the operator of the hazards involved in installing and handling shut-off valves. Reading these instructions and preventing hazardous situations is strictly in the hands of the operator of the equipment. Neglecting this responsibility is not within the control of Yenen.

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SAFETY PRECAUTIONS – INSTALLATION AND MAINTENANCE

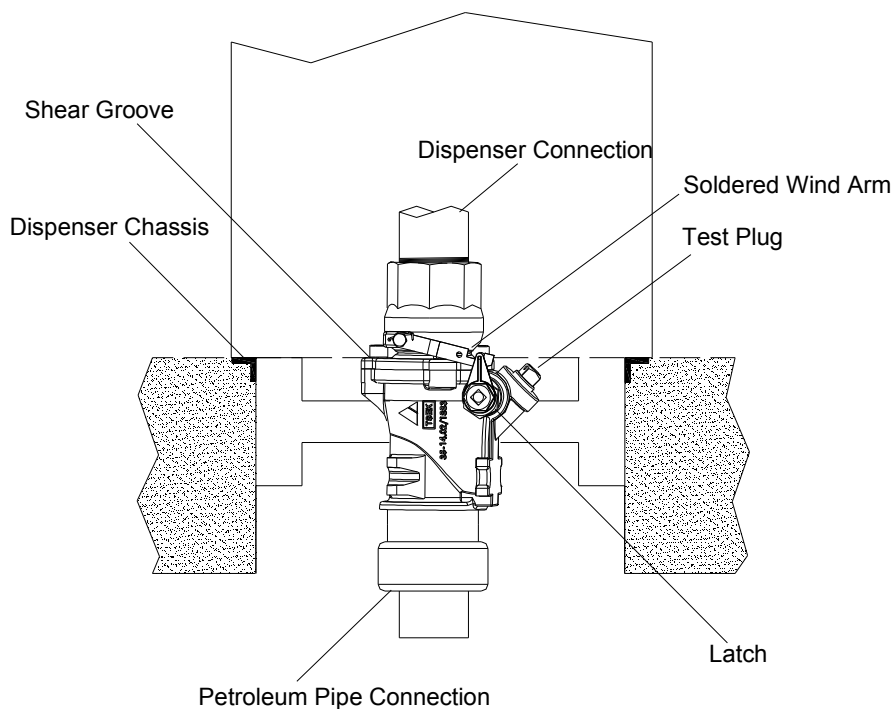
Using electrically operated equipment near gasoline or gasoline vapor may result in fire or explosion causing serious personal injury and/or property damage. ALWAYS disconnect and lock power supply before testing or servicing the Yenen shut-off valve.

The following instructions are provided to guide you in properly installing and maintaining your Yenen shut-off valve. Failure to follow these instructions may cause failure of the valve to close in the event of an emergency, resulting in a hazardous condition. Make sure that all necessary safety precautions have been taken during installation and maintenance.




The valve body must be firmly anchored to a structural part within the island to ensure breakage at the shear groove in the event of severe impact. Failure to ascertain a rigid mounting may result in failure of the valve to close in the event of a severe impact, resulting in excessive loss of product and a hazardous condition.

The shear groove must be positioned at the same level as the dispenser mounting frame. Failure to install the shear groove at this level may result in a failure to break-off in the event of severe impact, causing a hazardous condition.






Attaching valve to riser pipe

- 1- The riser pipe threads should be coated with a non-hardening, gasoline resistant pipe compound.
 Do not use Teflon tape.
- 2- Thread the valve tightly on the riser pipe wrenching on the main valve body only. Do not wrench above the shear section as this can result in valve breakage.
- 3- Maximum torque on pipe threads: 16 kgm.

Attaching outlet valve to fuel dispenser

- 1- The connecting pipe threads should be coated with a non-hardening, gasoline resistant pipe compound.
 Do not use Teflon tape.
- 2- Hold the valve steady with a wrench on the hex head of the valve. Use a second wrench to tighten the connection.
- 3- Maximum torque on pipe threads: 16 kgm.

Manual valve operation

To open the valve, rotate the latch counter-clockwise and hook the latch into the notch on the soldered wind arm.

To close the valve, unhook the latch from the soldered wind arm, allow the latch to rotate clockwise until it stops.



Disconnect power to the fuel pump before testing or servicing valves. **DO NOT OPEN WHEN PIPING SYSTEM IS UNDER PRESSURE.**

Required maintenance

To ensure that the valve is operating freely, it should be manually opened and closed several times, then reset, at least once a year.

Pressure testing the piping system



This testing is only for the piping system. The tank should be isolated and not subjected to the pressure used in testing the piping system.

Yenen shut-off valves have a built in 3/8" NPT test plug to permit testing of the piping system for leaks after installation. Before starting the test, make sure that the pump is turned off. Then manually close all shut-off valves connected to the same product line, remove the test plug. Attach the gauge and pressurize. It is not necessary to break any other connections. Maximum recommended test pressure is 4 bars and recommended test duration is 30 minutes. Local regulations or specifications supersede these recommendations. When reinstalling the test plug, coat the threads with a non-hardening gasoline resistant pipe compound.



Replacing top shear section

- 1- Disconnect the power to the dispenser and pump and lock the switch.
- 2- Close the valve manually and drain the system.
- 3- Remove the pipe or fitting from the top of the valve. The body does NOT have to be removed.
- 4- Remove the 3 bolts with a 6 mm Allen and lift damaged top out of body. Remove the o-ring.
- 5- Install a new o-ring and then the new top. Replace the 3 bolts and tighten.
- 6- Reattach the pipe or fitting and test the system for leaks.
- 7- Connect the power to the dispenser and the pump.

Types of Yenen shut-off valves

Part no	Dispenser connection *	Pipe connection *	Poppet
38100090	1½" Rp	2" BSPT Male	Double
38104090	1½" Rp	1½" BSPT Female	Double
38104190	1 ½" Rp	1½" BSPT Male	Double
38100890	1 ½" Rp	2" BSPT Male	Single
38101390	1 ½" Rp	1 ½" BSPT Female	Single
38101290	1 ½" Rp	1 ½" BSPT Male	Single

* Other types of threaded connections can be specially produced upon request.

Spare part kits

Part no	Part name
35011090	Upper body with poppet
35012090	Upper body without poppet



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