TURAS

in all kitchens

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ONE WAY AND TWO WAY SAFETY GAS VALVE HANDBOOK

USER GUIDE (ONE WAY and TWO WAY safety GAS valve handbook)

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USER GUIDE

1. THE FIRST THING TO BE DONE

1.1 Three-position (closed, opened and half-opened) is especially designed for furnaces and ovens.

1.2 The minimum calibration of the valve is adjusted according to natural gas or LPG by By-Pass bolt.

1.3 The boxes mustn't be superposed more than 4 boxes during storing.(Figure 1)

1.4 Although all products %100 controlled, they must have had entry control. The valves can be distinguished according to colours on the valves.

1.5 Which group and injector dimension valves have, must be written on boxes.

1.6 The valves must be manufactured to resist very long cycle time.

However, the factors, which are mentioned below affect negatively valve lifetime.

1.6.1 The wrong connection of pipe system to the valve,

1.6.2 The deformation of the valve during the connection due to the compressing of clamp bolt,

1.6.3 To apply impact to the valve,

1.6.4 The assembly of the plastic button by pressing hardly,

1.6.5 The extreme heat exposure of the valve due to wrong designed oven or burner (max. 120°C),

1.6.6 The purification of the valve from extreme dust and dirt in assembly place. This subject is important about working with very small and precision dimensions,

1.6.7 The exposure of sudden shock heat,

1.6.8 To use different nut rather than the thread on it,

1.6.9 To place a heavy object on the valve,

1.6.10 After removing the sealing gasket, not to mount on its old position,

1.6.11 To open inside the valve cap by removing,

1.6.12 To put a sharp object into the holes,

1.6.13 To hold with a pliers or other pressing tool

1.6.14 To check with detergent water or foam

1.6.15 To directly contact with water

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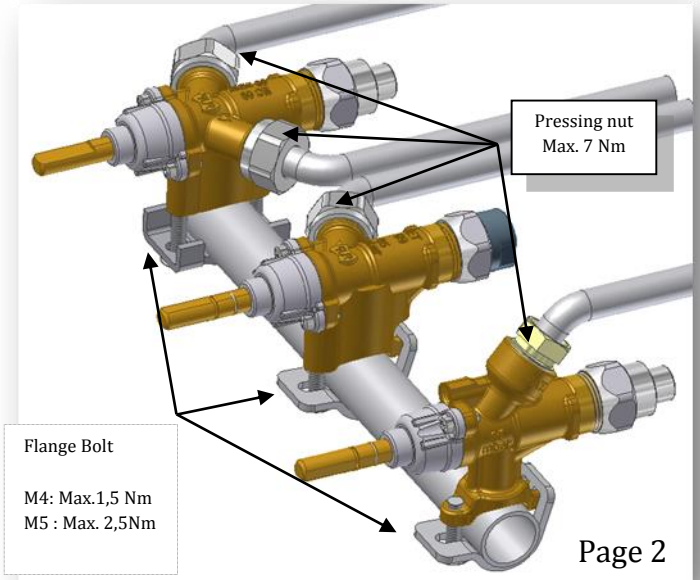
2. THE SIGNIFICANT THINGS IN ASSEMBLY

- Make an optic control before the assembly of the valve to the pipe. Check the sealing gasket whether it is on the valve or not.
- Close the clamp bolt holes after the placement of the pipe to the valve.
- Press the acceptable bolt with specified torque values. (If the application isn't done during the assembly, fracture can occur on the bolt in the forthcoming days.).
- If you press it with more strength, deformation or fracture can occur on the valve.
- The parallelism of the valves, which are assembled on the main gas distribution pipe mustn't be corrected with difficultly.
- Don't pass the specified torque value while pressing the gas pipe nut.
- Make an appropriate connection of the thermocouple to the valve.
- Be careful with the compulsion of the valve during the assembly of the button to the valve stem
- The applied impact to the valve stem during being attached on the button causes a delay time of the valve reaction and accordingly, not holding or late holding problems.
- Check the leakage after the complete assembly of the valve to the main gas distribution and burner distribution pipe.
- The valves have double safety system.
- The conical valve and magnet made the leakage protection at the same time.
- The rules mentioned above must be obeyed. Otherwise, damages can occur on the valve.



3. TECHNICAL FEATURES OF THE VALVE

Usage Area in furnaces and ovens
Used Gases LPG and natural gas
Material MS58 (brass)
Control Type %100 at flow rate and leakage control
TSE Standard TS EN 126
Test Pressure must be 150mbar
System Pressure it mustn't pass over 65 mbar
Heat Resistance 0°C / + 130°C
Working Lifetime 40000(12rpm)
Inertial leakage flow rate 20cc
External leakage flow rate 60cc
Working Angle in line with client 0°-160° (NON-PROGRASIVE) or 0°-210° (PROGRASIVE)
Magnet Type, Holding and Leaving Currents
Faston connection: 110mA /20mA,Co-axial connection of: 110mA /20mA
Bolt connection: 110mA /20mA, Bolt connection: 180mA /60mA

Opening-Closing Arrangements: Armatures open counter clockwise. The position of complete transition is 0°-90 °, half transition is 90°-160° (90°-210°).

Ignition: Spinned and pressed micro switches can be adapted on the valve. Stopper and safety ring should be used for pressed micro switches.

PRODUCT CODES:

EC: BIDIRECTIONAL FURNACE SAFETY VALVE
ET: UNIDIRECTIONAL FURNACE SAFETY VALVE
ET-V: UNIDIRECTIONAL PERPENDICULAR FURNACE SAFETY VALVE
TC: BIDIRECTIONAL FURNACE SAFETY VALVE
TT: UNIDIRECTIONAL FURNACE SAFETY VALVE