



SAFETY COUNTERTOP VALVE HANDBOOK



USER GUIDE (SAFETY COUNTERTOP 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 designed for countertop 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.
- 1.4 Although all products %100 controlled, they must have 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



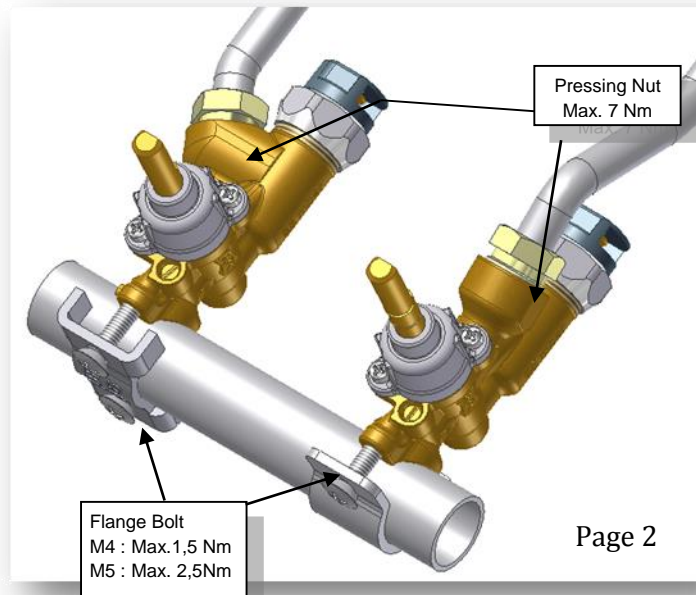
Figure 1

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 pressing of clamp bolts,
- 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. 130°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

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 process, 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 difficulty.
- 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 rules mentioned above must be obeyed. Otherwise, damages can occur on the valve.



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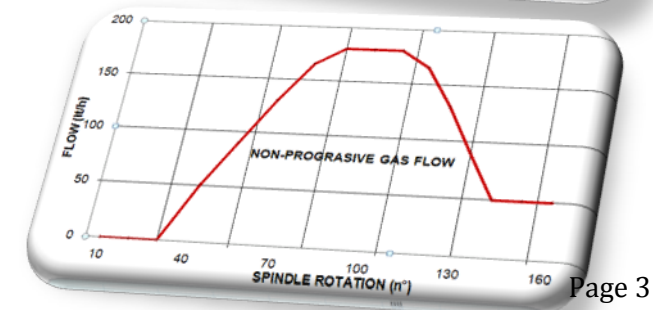
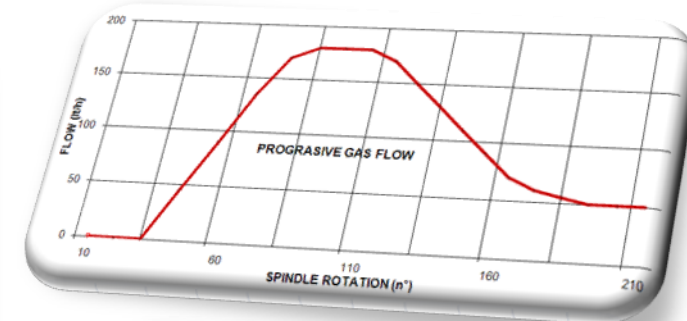
3. TECHNICAL FEATURES OF THE VALVE

Usage Area	in furnaces and countertop 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 150 mbar
System Pressure	it mustn't pass over 65 mbar
Heat Resistance	0°C / + 130°C
Working lifetime	40,000 (12 rpm)
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: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 microswitches can be adapted on the valve. Stoper and safety ring should be used for pressed microswitches

PRODUCT CODES:

TA-D: PERPENDICULAR OUTLET OF COUNTERTOP SAFETY VALVE

TA-Y: SIDEWARD OUTLET OF COUNTERTOP SAFETY VALVE



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