MODEL ERG-H1

GAS PRESSURE REGULATOR WITH DIRECT EFFECTIVE SAFETY SHUTDOWN SYSTEM

INSTALLATION, USE AND MAINTENANCE MANUAL

“Read carefully before all procedures and follow the instructions. Do not carry out any procedure unspecified in this manual.”

“Retain this manual for future references.”

“The products must only be installed by authorized people.”

“This product must be assembled in accordance with current regulations and guidelines.”

Rev.0 – 02.01.2024

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The right to change this manual in accordance with the technical developments is reserved. 2014/68/EU Pressure Equipment Directive has been applied and the manual has been prepared accordingly.

1-GENERAL WARNINGS AND REQUIRED CONTROLS

Please read this instruction carefully before proceeding and do not perform undefined operations, use the product in accordance with the information contained in this instruction manual and its label, otherwise the product may not operate properly, or be injured or damaged. All operations described in this manual should only be carried out by qualified personnel who have been approved by the competent authorities.

End users and unauthorized persons should read this instruction, comply with all safety rules that may concern them, in any case not to interfere with the product or even to interfere, to change the setting and to try to make physical entry, to detect malfunction or gas leak. The regulator must close the inlet valve on the front and inform the relevant gas distribution company and the specialist. The regulator is not allowed to smoke or fire until 2 meters away.

Do not start operations without accessing and reading this instruction. If you cannot reach this instruction, there are topics that are not understood, unknown or sure before starting any operation, or you cannot carry out the operation if you follow the instructions written in the instructions during operation and if you are having problems, please contact us or our representative.

For all operations in this order and during use; Use appropriate tools and methods. We ensure that products or boxes are not dropped, thrown, shaken, overburdened, force and impacted, not crushed, no weight placed on them, no damage to external parts and external protrusions, no heavy loads and no overturns in all processes and use.

During any operation, before, during and after all use of the product; provide to take all necessary precautions including personal protection, take the necessary legislations, regulations, procedures in accordance with the technical standards and rules of the gas organizations, take all necessary precautions against the risk of fire, take in the inhalation of the gas, take the necessary legal precautions, inform and warn all the interested parties about the transactions, take precautions against hazard combinations, take adequate precautions against possible flushing of liquids in line, prevent foreign matter from entering the discharge hole, avoid explosion and fire-related substances such as fire, sparks and cigarette smoke due to combustible gas and to not used.

Parts other than those supplied with the product and box that are not original and do not belong to my company should not be used. Contact us to supply spare parts. All necessary actions and precautions should be taken in consideration that they may be exposed to natural phenomena as Product earthquake, flood etc.. At the end of its life, products must be replaced with new ones.

Do not attempt to remove the product shut-off bracket and product bracket from the ground, allow mechanical damage to be exposed, move to the right or to the left unnecessarily, and do not overstress during any stage and use in this manual.

2-OPERATION-TERMS OF USE AND TECHNICAL SPECIFICATIONS:

The gas pressure regulator helps the subsequent devices in the gas line to operate safely. The gas pressure regulator maintains the outlet pressure within the tolerance range by lowering the inlet pressure to the desired / adjusted outlet pressure and automatically detects the outlet pressure in the event that the outlet

pressure does not reach undesirable levels on the safety regulator, or automatically detects this situation, Has a high and low pressure gas safety shut-off device associated with the ongoing gas pressure regulator. The gas pressure regulator may have a type of evacuation system which is opened to the air if ordered. The auxiliary equipment of the regulator may temporarily evacuate the gas. In this case, the necessary precautions regarding the gas to be evacuated must be taken before mounting.

The gas pressure regulator is not pilot controlled, it does not have a controller feature, it does not need a bypass unit to operate it, it is not used as a backup control device, it is single stage, direct working principle, internal sensing and spring drive

The technical specification ranges of the products are as follows. These values are output to product, outlet pressure, inlet pressure range etc. Depending on the factors. The final technical information of the product is stated on the product label.

Area of Use: Commercial and industrial gas pipeline applications
Suitable Fluids: Natural gas, LPG and non-corrosive gases
Permissible Maximum Input Pressure: PS6, PS10 and PS20 (PSD10)
Nominal Diameter and Connection: DN25xDN25, DN25xDN40 (modular connection on request),
Operating Temperature Range: -10 ° C; 60 ° C or -20 ° C; 60 ° C (LT version on request -40 ° C to 60 ° C)
Line Connection Directions: Inline Type and Angle Type
Accuracy Class - Output Pressure Tolerance: AC5 / AC10 / AC20
Lock-up Pressure Class Tolerance: SG10/20/30
Lock-up Pressure Class Tolerance: SG10/20/30
Output Pressure Setting Range (Wd): 200-4500 mbar
High Pressure Safety Closure Setting Range (Wdo): 300-7000 mbar
Low Pressure Safety Closure Setting Range (Wdu): 100-3000 mbar
Working Pressure Range (bpu): 1-20 Bar
Min and Maximum Flow (Qmin-Qmax): 2,5m3 / h - 250m3 / h (Natural Gas)
Natural gas is converted to LPG by multiplying by 1,2
Material Standards: Aluminum EN 1706, Rubbers EN 549, Brasses EN 12164-EN 12165

Flow (schm /m3/h) (Natural Gas)	Input Pressure (mbar)
50	Pd+300
75	Pd+500
100	Pd+1000
180	Pd+2500
250	Pd+3500
Pd: Output Pressure	

3-MOUNTING

Determine which features should be used before mounting, and check that the correct selection is made by examining the pressure and other information on the product label, especially with regard to labeling and labeling information, check the product and accessories that may be on the box Input filter, way shut-off protective lid no.1, if equipped, protective tapes, if available, pressure set seals no.14) (Working pressure

range, outlet pressure, fluid, flow rate, environmental conditions, clean line and fluid, selection of reciprocal connection type and diameter, compatibility of line and product dimensions etc.)

Regulators should be installed in well-ventilated areas. Assemblies must be made in accordance with applicable laws and technical rules. There must be an inlet and outlet shutdown valve before and after the regulator to be installed. Ensure that there is no pressurized gas trapped between the line and the product before and during mounting, and that the gas supply is completely covered and opened. Before mounting, it should be checked that the line pressure is within the inlet pressure range stated on the product label and that the regulator capacity will not be exceeded during use. Sufficient tampon volume should be left at the line outlet after the regulator before assembly. For products with outlet pressures of up to 300 mbar, 1/500 nominal flow and 1/1000 nominal flow at outlet pressures above 300 mbar are recommended. Necessary precautions should be taken to avoid sound and vibration from the line. It should not even be misplaced. Clamp on the line side to reduce the torsional and torsional loads from the pipeline and the shake at the line inlet and outlet before mounting etc. Take appropriate precautions by means of roads, even at short distances at the entrance and exit of the product, make sure that there are no diameter reductions and expansions, testing, maintenance, dismantling etc. Ensure that the required dimensions and areas are ensured by considering the subsequent operations, in each case check that the product inlet pressure is higher than the product outlet pressure, clean the inside of the pipe with compressed air when the product is not yet installed and the welding particles, dirt etc. Remove foreign objects, generally check the line and system for pressure and tightness, ensure that the external filter is installed before the gas pressure regulator to filter the gas, ensure that the products are directly exposed to external environment and external corrosion conditions (sun, rain, snow, humidity, water, Etc.) with the necessary precautions so that they are not exposed to any external damage and impact (e.g. into the protective box)

To start the mounting; Manually adjust the flow direction of the product so that the arrow indicates the outlet side and the gas flow direction in the product case, the product mounting position does not look at the side where the outlet pressure adjustment is for dry gases and the fluid lpg should be adjusted to the proper position as mentioned in -1 by ensuring that the outlet side of the regulator faces downwards to ensure that the coupling components to be used during mounting comply with the legislation and that the product will not be obstructed by the product output sensor line without overload and ensure that the mechanical strake is not exposed, ensure that the inlet and outlet connections of the product do not leak outside without applying excessive force, force and impact using appropriate switches, tight it enough and after tightening, it is fully seated in the connections and there is no cracking in the connections. Check that there are no mechanical problems, that there is no mechanical stress from the line, pipe and connector.

If fittings with a connection greater than the diameter of the connection on the product's body are to be fitted to the inlet and outlet of the product for assembly, the forces and moments which are exceeded by the main connection diameter on the body shall not be applied and the limitations should not be applied.

Any mounting position is possible with natural gas or other non-corrosive gases, provided the possibility of condensation, is avoided (see Figure 1). Position 1 in Figure 1 is recommended for sites without condensation. Because they cannot discharge the condensation from the vents. Position 2 is an ideal mounting type. In case of a possible condensation, the condensation can be released from the discharge. For position 3, an exhaust connection is recommended to release the condensation. If there is no exhaust connection, a 2 mm hole can be drilled in the Top Cover Plug by obtaining the necessary permissions from the authorities. Additional drains are required to release the condensation in Position 4. For example, an additional drain can be opened on the top cover of the regulator by obtaining permission from the authorities.

If the products are to be used in floor type applications, make sure that the products coated on the outer surface are used properly. Appropriate precautions should be taken to prevent entry and also ensure that products are not used completely in water or liquids. The exhaust line should be connected to the breathing console of the regulator when necessary. This connection must be at least DN10 threaded. The threaded adapter that may be needed for this connection is required and must be used. Gas pressure regulators with discharge system are required measures to transport the gas to be delivered to the safe zone (e.g. at least DN 10 pipe to the outside atmosphere conditions of the gas to be evacuated) If the products are to be used in floor type applications, make sure that the products coated on the outer surface are used properly. Appropriate precautions should be taken to prevent entry and also ensure that products are not used completely in water or liquids. The exhaust line should be connected to the breathing console of the regulator when necessary. This connection must be at least DN10 threaded. The threaded adapter that may be needed for this connection is required and must be used. Necessary precautions must be taken to move the gas pressure regulators, which are discharge systems, to the safe zone of the gas to be evacuated. (E.g. a pipe of at least DN 10 to the outside atmosphere conditions of the gas to be evacuated)

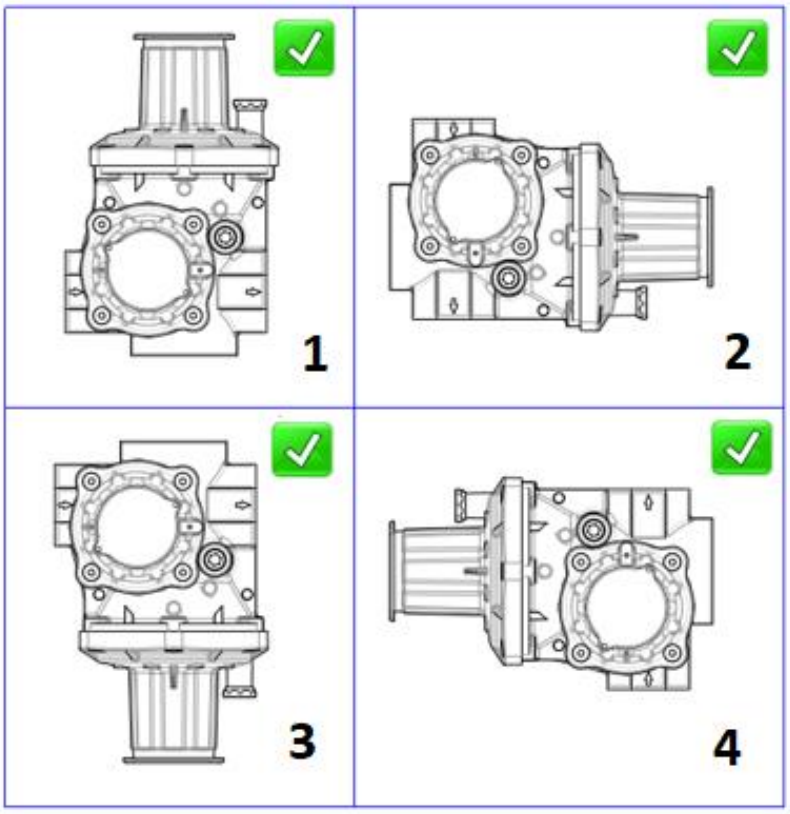


Figure-1 (Position 1: lowest installation recommendation, Position 2: Most recommended assembly, Position 3: intermediate recommendation, Position 4: intermediate recommendation)

4-INSTALLATION, TRANSMISSION AND OPERATION

Before installation, check and ensure that all users and persons at the exit are not in use, do not change the factory settings. The factory settings are adjusted according to the desired values in the order specifications and are stated in the model. The adjustment devices are sealed if requested in the order specification.

In ERG-H1 Series Products with Safety Devices;

1- Before starting the installation, close the inlet and outlet valves, which are the main gas supplies,

2- Open the inlet valve (gas supply) slightly on the line, slowly and gradually, Check that there is an inlet pressure in the inlet manometer in accordance with the product label, The product may be damaged due to inappropriately fast processes,

3- Open the Ventilation Ball Valve, which is located outside the gas supply outlet valve slightly on the line. This will give us an artificial usage flow. If there is no Vent Ball Valve on the line, do not open the outlet valve.

4- Remove the “Shut-off Protection Cover (1)” by hand, press the “Shut-off Assemble Lever (2)” manually, slowly, downwards, without applying excessive load, force or impact, and wait for a few seconds and press the exit button. Verify that there is a gas passage and install the shut-off part and the device. In this way, gas passes to the outlet side in the form of leakage. Maintain this state for a few seconds (at least for 6 seconds). Make sure that the “Shut-off Assemble Lever (2)” is in the installed-drawn position, and if the product has an evacuation system, make sure that the gas released can mix with the atmosphere,

5- Check that there is an outlet pressure (within tolerances) in accordance with the product label on the outlet manometer. Here, an outlet pressure in AC tolerance should be seen in the lines with a Ventilation Ball Valve. In lines with only a supply outlet valve, the outlet pressure must be observed in the SG tolerances,

6- Open the outlet valve in the line slightly, very slowly and gradually close the Ventilation Ball Valve completely. When the Outlet Valve is opened slightly, observe that the outlet pressure on the manometer is within AC tolerances,

7- Wait for a while for all the pipes in the line to be completely filled with gas,

8- Open the inlet valve (gas supply) in the line very slowly and gradually, check that there is an inlet pressure in the inlet manometer that is in accordance with the product label,

9- Open the outlet valve on the line very slowly and gradually, and check that there is an outlet pressure (within tolerances) in the outlet manometer in accordance with the product label,

10- Make sure that the product is working correctly by performing the necessary tests, these tests are; external leakage, outlet pressure, capacity value, closing pressure, internal leakage, if any, discharge pressure, high safety pressure (opso), low safety pressure (upso) and outgoing gas can mix into the atmosphere, etc.

11- After the product is installed, manually replace the “Shutoff Protection Cover (1)” and the “Drain Protection Plug (14)”, if there is any,

12- When the product and line are ready for use; Inform gas users about gas usage.

NOTE: If the process does not occur, repeat, during these processes; If there is difficulty in pulling the "Shut-off Assemble Lever (2)" or if the "Shut-off Assemble Lever (2)" is closed because the outlet pressure has reached the safety setting pressure; Firstly; Open the Ventilation Ball Valve a some more, if not, then check that the inlet pressure value is within the desired values and make the necessary corrections, If this situation did not improve, there is a high probability that there is a problem with the product. Therefore, please contact the authorities without taking any action.

NOTE: If you suddenly fully depress the assembly lever, high outlet pressure values may appear.

For ERG-H1 Series Products Without Safety Device;

1- Before starting the installation, close the inlet and outlet valves, which are the main gas supplies,

2- Open the Ventilation Ball Valve, which is located outside the gas supply outlet valve on the line, slightly. This will give us an artificial usage flow. If there is no Vent Ball Valve on the line, do not open the outlet valve.

3- Open the inlet valve (gas supply) on the line very slowly and slightly, Check that there is an inlet pressure in the inlet manometer that is in accordance with the product label, The product may be damaged due to inappropriately fast processes,

4- When the inlet valve that will feed the product is opened, gas flow to the outlet will start automatically, wait for a few seconds (at least 6 seconds), verify that there is gas passage on the outlet side, so the product would be installed. If the installation process does not take place, contact the authorities,

5- Check that there is an outlet pressure (within tolerances) in accordance with the product label on the outlet manometer. Here, an outlet pressure in AC tolerance should be seen in the lines with a Ventilation Ball Valve. In lines with only a supply outlet valve, the outlet pressure must be observed in the SG tolerances,

6- Open the outlet valve on the line slightly, very slowly and gradually close the Ventilation Ball Valve completely, observe that the outlet pressure on the manometer is within AC tolerances when the Outlet Valve is opened slightly,

7- Wait for a while for all the pipes in the line to be completely filled with gas,

8- Open the inlet valve (gas supply) completely in the line very slowly and gradually, check that there is an inlet pressure in the inlet manometer that is in accordance with the product label,

9- Open the outlet valve completely on the line very slowly and gradually, and check that there is an outlet pressure (within tolerances) in the outlet manometer in accordance with the product label,

10- Make sure that the product is working correctly by performing the necessary tests, these tests are; external leakage, outlet pressure, capacity value, closing pressure, internal leakage, if any, discharge pressure, gas can be mixed into the atmosphere, etc.

11- When the product and line are ready for use; Inform gas users about gas usage

NOTE: Verify that the data on the regulator label responds to customer needs in its downstream setup

Depending on the temperature difference during the installation process or during the seasonal transitions, there may be momentary gas outflow from the product discharge area and this is normal. It is important that the gas discharge does not continue, if it continues, it may be considered a malfunction in the product.

If the gas pressure regulator is closed for various reasons during operation, the inlet valve must be closed; the problem must be identified and reinstalled according to the above rules. During the operation, the gas is not clean, and the internal boiler, which comes into contact with foreign objects on the line, Due to the sudden stop, the output pressure may increase and the high pressure safety shutdown device of the product may close.

5-PARAMETERS

For various reasons, if necessary, the product outlet pressure and safety shutdown pressure settings should be made as follows.

The settings should not be changed by more than ± 10% and not beyond the limitations on the label.

The seals are removed if the product has the relevant setting parts. When pressure settings are made, the setting mechanisms and springs should not be over-tightened or forced. To see the values of the settings, connect the pressure gauge or manometer to a suitable test valve between the regulator and the outlet pipe. In all adjustments to be made, the pressure increase in the clockwise rotations is reversed and the pressure decrease in the opposite directions. When the outlet pressures are increased, the safety pressures must also be increased.

To change the output adjustment pressure; Remove the relevant seal if necessary, remove the way cover no.11 manually by turning it counterclockwise; turn the adjustment ring 12 with the 27 mm hex key in the appropriate direction, mark the adjustment pressure made.

To change the high pressure safety pressure; Remove the corresponding seal if necessary, remove the turn cover no.1 manually by turning it clockwise; turn the way adjuster ring no.3 in the appropriate direction with the 27 mm hex key, mark the adjustment pressure made. To change the low pressure safety pressure; Remove the relevant seal if necessary, remove the 1-way cover manually by turning it clockwise; turn the 4-way adjuster ring into the appropriate direction with the 13 mm hex key, mark the set pressure. To change the evacuation adjustment pressure; Remove the relevant seal if necessary, remove the way cover no.11 manually by turning it clockwise; turn the adjustment ring no.16 with the 17 mm hex key, mark the adjustment pressure made.

After the setting changes made, please check with the appropriate methods in this manual that the specifications and limits on the product are not exceeded. It is recommended that the setting devices be sealed after the relevant pressure settings have been made or in order to ensure that the settings are not changed in the products for which usage has been made. If this is the case, the seal inside the box can be used.

6-PERIODIC MAINTENANCE AND INSPECTION

Periodic maintenance is recommended for healthy and safe operation of the regulator. Periodic maintenance intervals should not exceed the ranges specified by the Gas Company or legislation. The maintenance time must be adjusted according to the operating conditions.

All transactions must comply with the rules in this order. In any case, do not unload suddenly to clean the line after the regulator.

For periodic maintenance and inspection that should not be done on the line; Remove the product in accordance with the dismantling rules in this order. Remove the cover screws on the regulator with mutually appropriate fittings so that there is no contraction, and manually remove the caps. (Do not perform these procedures and maintenance if there is a seal on the cover screws). Do not disassemble the parts inside the covers that you are leaving. Hold the covers in groups as a group and clean them slowly with a clean cloth. If there is a filter in the filter, remove it by turning it counterclockwise with the key no.7, manually remove the contaminated filter no. 9, check that the o-ring no. 8 and the spring no.10 are in the spring housing and seat no. 7, Turn by turning. Using the same screws, use the same screws to mount them exactly in the same place again without tightening the screws and counter-tightening the holes without overstressing them, ensuring that they are not loose and that they are not mechanically damaged. Mount and install the finished product according to this instruction.

For periodic maintenance and inspection which can be done on the line without removing the product; check that the inlet and outlet valves are open and the pressure is at the outlet. Check all exterior parts of the product, including connections, and check that there are no external leaks and that there is no excessive noise and vibration on the line with methods as suitable foam, liquid, detector etc.

Connect a suitable pressure gauge to the test valve located between the regulator and the outlet valve, with the pressure source connected, and check that the connections are tight and tight. Check the outlet pressure when the consumption is on the regulator outlet side and check the conformity. Close the outlet valve at the outlet of the regulator and wait for a while and check that the outlet pressure has stabilized. Loosen the screw inside the test valve so that there is some gas leakage. By using the pressure source, increase the pressure slowly up to the evacuation setting and check the evacuation of the gas. Turn off the vacuum and increase the pressure to the high pressure shut-off value using the pressure source and check that the shut-off boom is off. Disconnect the test devices, close the test valves, and check for leaks.

Note: When the maximum shut-off adjustment spring, the minimum shut-off adjustment spring, the discharge pressure adjustment spring and the output pressure adjustment spring change are required, the springs are removed from the positions shown in figure-3 and new ones are installed.

After the relevant tests, shut-off protection lids, if any, pressure setting seals, if any, evacuation protection lids, if any evacuation levers. Check that all accessories and apparatus are installed on the product. We install the product in accordance with the installation rules specified in this instruction.

If there is a problem during the periodic maintenance and inspection, the necessary actions can be taken according to the rules described in the fault section.

7-DISCONTINUE, REMOVAL AND REPLACEMENT

Before, during and after all disassembly and replacement, please observe all the rules and procedures required in this manual. We ensure that there is no pressurized gas trapped between the line and the product before the dismantling and replacing operations and also the product during the dismantling process, the gas supply is completely closed and the possibility of opening is ensured.

Close the inlet and outlet valve on the line at the front and rear of the regulator and reliably discharge the trapped gas between the line and the product, gradually from the area between the gas pressure regulator and the outlet valve. Do not swing the input and output connections of the product without using excessive force and force using the appropriate switch. If a new product is to be replaced, install and install the new product in accordance with this instruction.

8-TROUBLE-REPAIR-PROBLEMS AND SOLUTIONS

Before, during and after all breakdown procedures, please obey all the rules stated in this manual as necessary and take necessary actions, especially inform the end users and take necessary precautions against pressure gas hazards.

In case of failure you are advised to perform the operations indicated in Table 1 according to the type of problem and if you do not wish to do these operations and if you have not resolved the problem in question then you should remove the product and disassemble the product according to the disassembly rules described below without further intervention, , Even install new products. Repairs, repairs and alterations shall not be made in such a way as to interfere with the internal parts of the product other than the filter and spring change.

Repairs and repairs should be done in empty systems and products removed from the line.

Problems and Solutions		
Problem Code	Problem	Transaction codes that will be performed In order
P1	Dirty filter	10,11
P2	Self-organization	12,1
P3	Mechanical damage	1
P4	Failure in drying	13,9,25,1
P5	No gas flow	26, 3,14,15 ,16,18,10,11,5,2,4,25,1
P6	External leakage	16,18,1
P7	High exit pressure except tolerances	8,7,2,1
P8	Low exit pressure except tolerances	16,18,5,6,3,2,1
P9	Evacuation system mistakes	7,8,2,1
P10	Insufficient flow	3,10,11,4,2,1
P11	Shut-off mistakes	19,27,Measure the output pressure and control that it is increasing, if it is, apply transactions no.7,8,2. 20,21,25,1
P12	Missing accessory	23
P13	Sound and Vibration	24

Table 1

Transaction Codes Explanations that can be applied with sequence during problem

1-New product exchange

2-Measure the output adjustment pressure and correct if it is faulty

3-Check that the wrong product is not selected as the flow rate and outlet pressure

4-Check that the inlet pressure is not below the pressure and the inlet pressure

5-Have traction on the capacity of the product check

6-Examine external leakage at the output line

7-Check that there is no excessive diameter contraction in the output line

8-Stop the gases flow at the outlet, close the inlet valve, then open it, re-engage the product and check the result

9-Remove and reattach the product and try again

10-Remove the product, remove and clean the filter, attach a new filter if necessary, mount the product back on the line.

11-Take precautions for line cleanliness

12-Confirm whether or not the product has automatic installation system

13- Check if the shut-off arm no.2 is closed, if it is closed check that there is no excessive contraction in the line outlet and hold the way shut-off arm no.2 by holding the handle while continuing the installation, if necessary, loosen the removing protection cover no.14, relieves the valve a bit, relieves the pressure squeeze out instantaneously, and then restore all operations

14- Set up shut-off no.2 if the door is closed, replace the product and check the result

15- Check whether there is freezing in the water or in the water that might enter the product

16- If there is loose screw, check it regularly according to rules. (Do this if there is a seal on the screw)

18- If there is a leak from the outlet, check that there is no excessive diameter contraction on the outlet line. If there is no problem, stop the outlet gas outlet, close the inlet valve.

19- Check whether there is traction and inclination in set up shut-off line the arm.

20- Check that there is no contraction in the output sensing line.

21-Adjust the shut-off setting pressure and correct if it is faulty.

23- Shut-off protection cap, if available pressure setting seals, if available way discharge protection plug no.14, if available way discharge filter no.15 etc. Identify the missing pieces and insert the new ones manually.

24- Is the mounting position correct, whether there is fluctuation in the input pressure, the diameter at the close distance on the output side is not wanted. Check for shrinks.

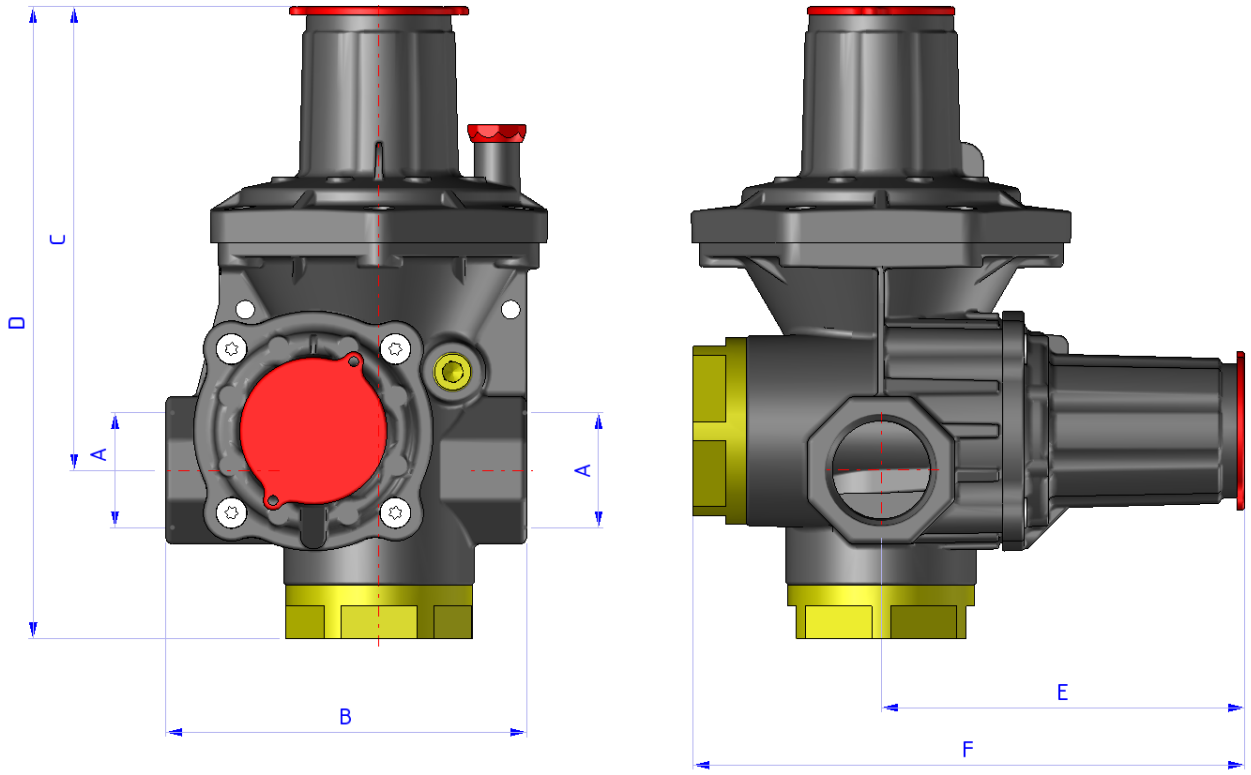
25- Try to install the product again.

If the 26-2 shut-off line is closed, inform all interested parties, ensure that no gas is used, and re-install the product in accordance with the rules.

27- Flow in the outlet boiler, etc. Check if there has been a pressure increase due to sudden stop.

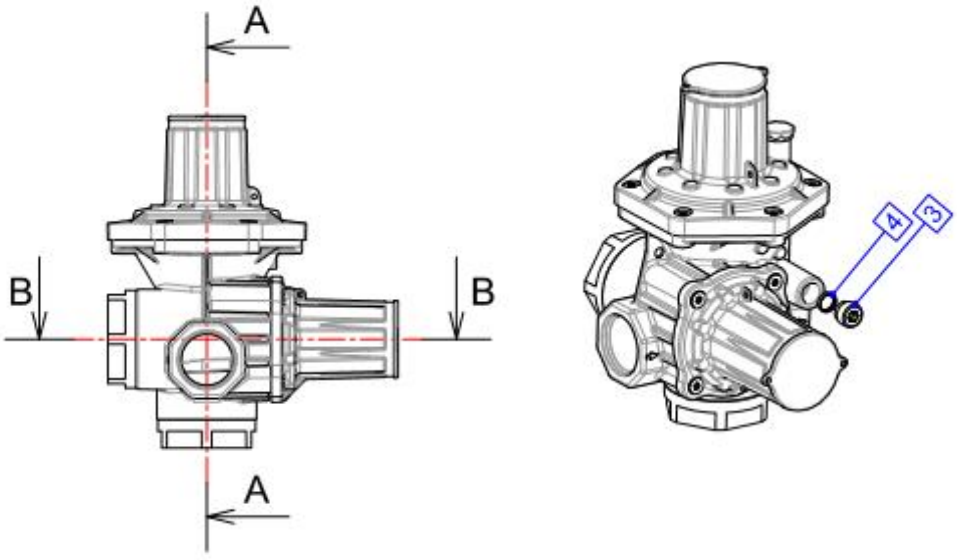
9- DIMENSIONS, LINE CONNECTIONS AND PART INFORMATIONS

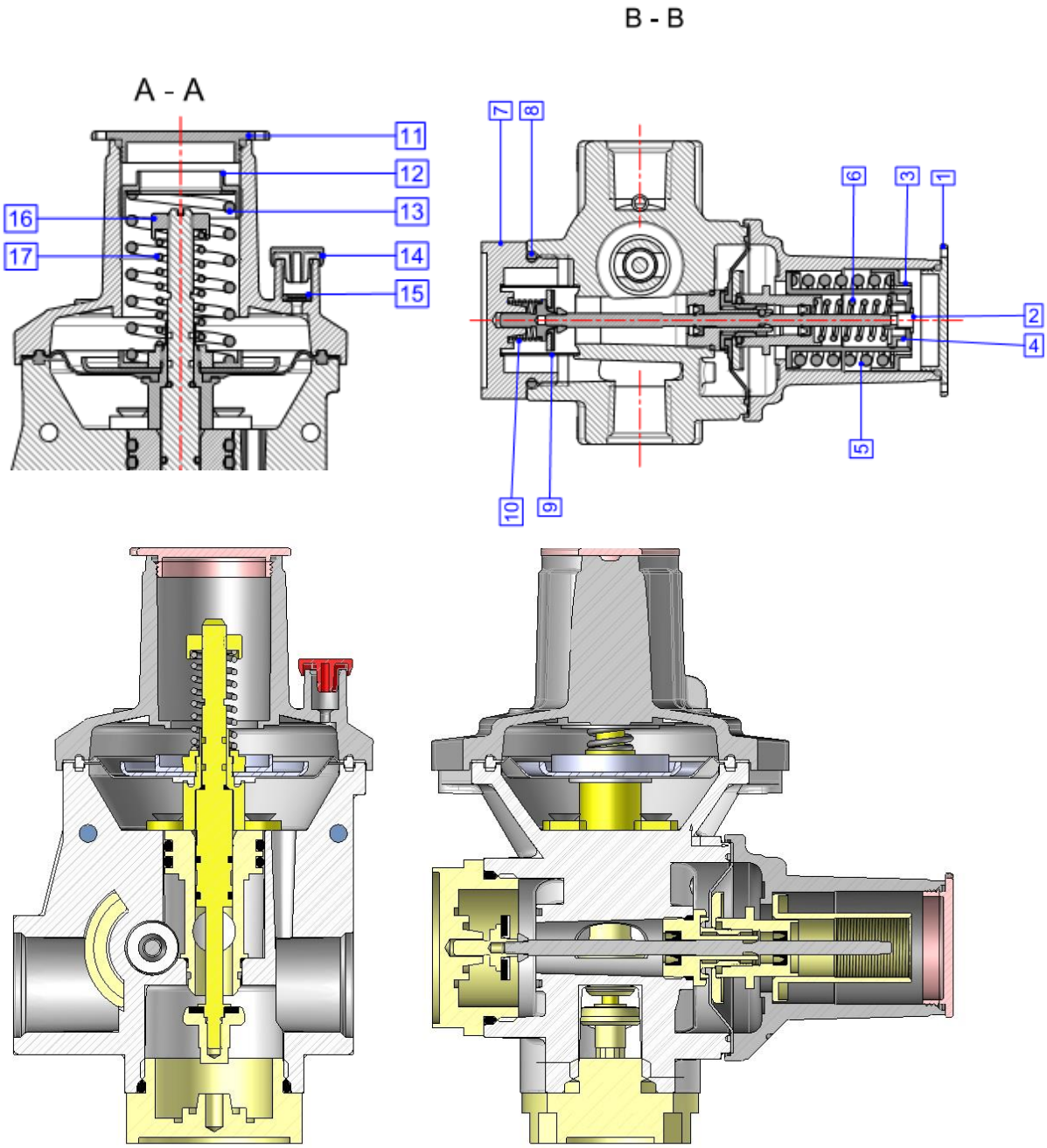
Dimensions are in mm



A	B	C	D	E	F
1"	110	141,5	194	111	170

Figure-2

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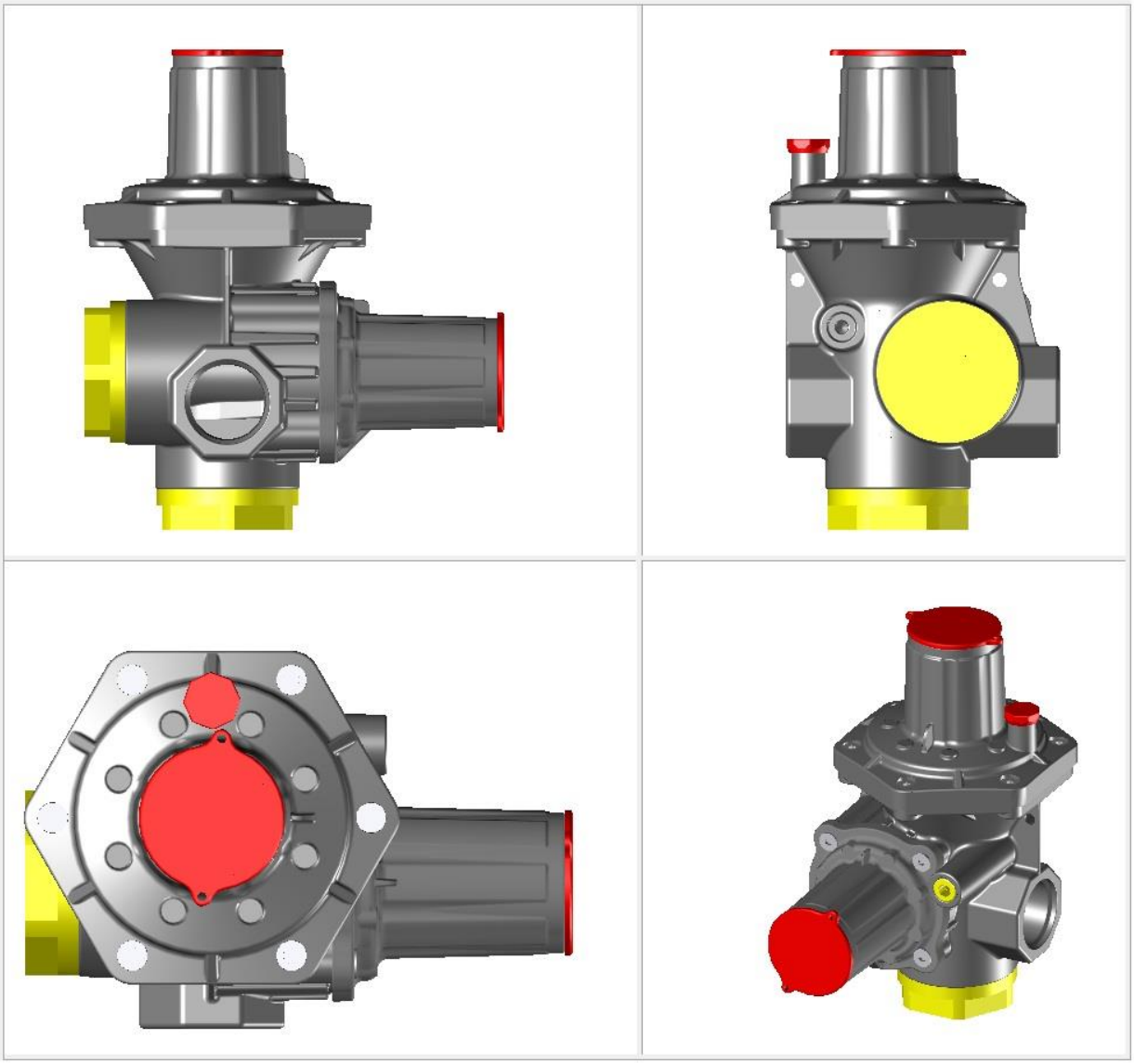

Figure-3

1-Shut-off protective cover
2-The arm of the shut-off installation
3-Maximum shut-off tuning ring
4-Ring with minimum shut-off setting
5-Maximum shut-off setting spring
6-Minumum shut-off setting spring
7-Blind plug
8-O-rings
9-filter
10-Closing spring
11-Output pressure adjustment cap
12-Output pressure adjustment ring
13-Output pressure adjustment spring
14-Evacuation protection plug
15-Discharge filter
16-Discharge pressure adjustment ring
17-Discharge pressure adjustment spring

10-LABEL INFORMATION

ESKA	ESKA VALVE A.Ş. Place : Sakarya / Turkey www.eskavalve.com	CE 0036 according to the 2014/68/EU PED	
GAS PRESSURE REGULATOR			
Model-Type-Series:	.....	PS / PSD:	.....
Serial Number:	.....	bpu:	.....
Production date (W/Y):	.... /	Wds:	.....
Strength Type IS or DS:	.....	Pds:	.....
TS:	.....	AC ±%/ SG +%/ SZ +%	.....
Fluid:	.....	Qmin-Qmax:	.....
DN:	.....	Wdso:	.....
Failure mode type:	.....	Pdso:	.....
Test Pressure:	.....	Wdsu:	.....
K1 / KG / Cg	..... / .... /	Pdsu:	.....
		AG ±%	.....

EXAMPLE

Pds: Output Setting Pressure
Pdso: High Pressure Safety Closure Setting Pressure
Pdsu: Low Pressure Safety Closure Setting Pressure
Pdso: Evacuation Pressure
TS: Working Environment Temperature Range
PS: Maximum Resistance Pressure
Pumax: Maximum Input Pressure
PSD: Maximum Strength Pressure For Different Resistant Parts
Bpu: Input Pressure Range
DN: Connection Diameter
Qmin-Qmax: Minimum and Maximum Flow
Wds: Output Pressure Setting Range
Wdso: High Pressure Safety Closure Setting Range
Wdsu: Low Pressure Safety Closure Setting Range
NG-LPG: Natural Gas-LPG

11-STORAGE-STORAGE-LIFTING-LOWERING-MOVE-LOADING-TRANSPORT

Do not remove the product from its original box and their sleeves unless the use is started, do not change the box and its sleeve. Store the products and spare parts in closed and ventilated environments in clean room conditions. Ensure that during transport, transportation and storage, products are exposed to rain, water, snow, extreme heat and cold. You are protected from the circumstances. Ensure that the floors where the operations are made are flat and clean, not wet and slippery. Do not overload and remove during transport. Pay special attention to external protrusions and external parts.

ESKA

CE

EU DECLARATION OF CONFORMITY

AB UYGUNLUK BEYANI

According to Pressure Equipment Directive (2014/68/EU)

Basınçlı Ekipmanlar Yönetmeliği'ne Göre (2014/68/AB)

Declaration Number *(Deklarasyon No)*	DEC_015_R00
Manufacturer and Owner Of Certificate *(Üretici ve Sertifika Sahibi Adı)*	ESKA VALVE A.Ş.
Trade Mark *(Ticari Marka)*	ESKA VALVE / ESKA
Manufacturer Adress and Place *(Üretici Adresi ve Üretici Yeri)*	Sakarya 1. Organize Sanayi Bölgesi Mahallesi, 11. Cadde, No:6-8, Arifiye/Sakarya/Türkiye
Product Description *(Ürün Tanımı)*	Gas Pressure Regulator With Safety Shutoff Valve *Emniyet Kapatmalı Gaz Basınç Regülatörü*
Product Model / Type / Serie *(Ürün Modeli / Tipi / Seri)*	ERG-H1 Series *ERG-H1 Serisi)*
Product Information *(Ürün Bilgileri)*	PS6, PS10, PS20 / PSD10 and TS : -10;60°C or -20;60°C or (LT version -40;60°C) and DN25xDN25, DN25xDN40 Threaded Connection (on request with nut modular connection) and AC5/10/20, SG10/20/30, AG10/20 *PS6, PS10, PS20 / PSD10 ve TS : -10;60°C veya -20;60°C veya (LT versiyon -40;60°C) ve DN25xDN25, DN25xDN40 Dişli Bağlantı (istek üzerine somunlu modüler bağlantı) ve AC5/10/20, SG10/20/30, AG10/20*
Declaration Issue Date *(Deklarasyon Yayın Tarihi)*	01.11.2020
The name of the Notified Body and No *(Onaylanmış Kuruluşun Adı ve Numarası)*	TÜV SÜD Industrie Service GmbH – 0036 WestendstraBe 199 80686 München/Germany
EU Conformity Assessment Method *(AB Uygunluk Değerlendirme Yöntemi)*	2014/68/EU PED Category IV, Modul B+D
Modul B Certificate No / Valid Until **Modul D Certificate No / Valid Until**	…….. / …….. …….. / ……..
Declaration *(Deklarasyon)*	Up defined in our products, we declare that meets the essential safety requirements of the directives to in this document. This declaration of conformity has been published under the responsibility of Eska Valve A.Ş. *Yukarı da tanımlanan üzerinde seri no olan ürünlerimizin, bu belgede belirtilen yönetmeliklerin temel güvenlik gerekliliklerini karşıladığını beyan ederiz. Bu uygunluk beyanı Eska Valve A.Ş. nin sorumluluğu altında yayınlanmıştır.*
Note *(Not)*	The compliance with Directives applies only to the product if the product is integrated in a system or combined with other units .The system manufacturer is responsible fort he compliance of the complete system with Directives. By altering the device without approval the declaration would invalidate. *Ürünün bir sistemle entegre olarak ya da diğer bir birimle birleştirilerek kullanıldığı durumlarda direktiflerle uyumluluk yalnızca ürünü kapsar. Sistem üreticisi sistemin tamamının direktiflere uyumluluğundan sorumludur. Onayımız alınmadan cihaz üzerinde değişiklik yapıldığında bu beyan geçerli değildir.*

Manufacturers Authorized Signature
(Üretici İmza Yetkilisi)
Erhan SARDAL
General Manager *(Genel Müdür)*
Sakarya/Türkiye, 01.11.2020

ESKA
VALVE ANONİM ŞİRKETİ
Sakarya 1. Organize San. Bölg. Mah.
11. Cad. No: 6/8 Arifiye-SAKARYA
Alifuat Cebesoy V.D. 380 110 2771
Mersis No: 0380-1102-7710-0001

WARRANTY

Of Manufacturer or Exporter ;
Title : ESKA VALVE A.Ş.
Address : Sakarya 1. Organize Sanayi Bölgesi Mahallesi, 11.Cadde, No:6-8 Arifiye/Sakarya/TURKEY
Phone : +90 (264) 502 54 34-35-83
Fax : +90 (264) 502 54 84
E-Mail : info@eskavalve.com
Signature of Authority :
Stamp of the firm :

Of Seller Firm ;
Title
Address
Phone
Fax
E-Mail
Signature of Authority :
Stamp of the firm :

Of Product
Type: Gas Pressure Regulator
Brand: ESKA / ESKA VALVE
Model: ERG-H1
Warranty Period: 2 years
Maximum Repair Time: 20 business days
Invoice Date and Number:
Customer Delivery Date:
Customer Delivery Point:
Bandrol and Serial No:

WARRANTY CONDITIONS

1) The warranty period starts from the delivery date of the goods and is 2 years.

2) All parts, including all parts of the product, are covered by the guarantee.

3) If the replacement of the merchandise with the unmodified merchandise is accompanied by disproportionate difficulties for the merchant, the consumer may use one of the discounts at the rate of return or shame without contract. In determining the non-proportionality, consideration is given to whether or not the application of the value of the goods is unprofitable, misappropriation and other optional rights will cause problems for the consumer. In the event that the consumer chooses the right to discount at a rate of return or shame without a contract, the seller must immediately return the whole amount of the goods or the amount of discount made to the consumer to the consumer. In case the consumer chooses the right to exchange the goods with the unskilled lot, the seller is obliged to fulfill this request within a maximum of thirty business days from the date when the producer or importer is informed of the request for replacement of the goods with uneven quantity.

4) If the consumer chooses the right to free repair from these rights, The cost of labor, the cost of replacement parts or any other name under the name of any charge is required to make or repair the goods. The consumer can also use the free repair right against the manufacturer or importer. The seller is jointly responsible for using this right of the producer and importer consumer.

5) If the consumer uses the right to repair free of charge; - failure to repair is determined by a report by an authorized service station, dealer, manufacturer or importer; - failure to repair within the warranty period; The price of the consumer goods, the discount rate at the rate of shame, or if it is possible, the merchandise may be demanded from the seller to replace the product with the unmistakable number. The seller can not refuse the consumer's claim. If this claim is not fulfilled, the seller, producer and importer are jointly responsible.

6) The repair period of the goods is maximum 20 working days. This period starts from the date of delivery of the defective goods to the service station or vendor on the date of delivery within the warranty period, and from the delivery date of the goods to the service station outside the warranty period. If the product malfunctions within the warranty period, the repair time will be added to the warranty period. If there is an unusual use error, service stations, service stations are not available; It must be determined by a seller, importer or producer of the goods by a report issued within the maximum repair period for the goods and a copy of this report must be issued to the consumer. The warranty period of the goods modified during the warranty application is limited to the remaining warranty period of the purchased goods

7) Defects caused by unusual usage or usage errors in the manual of the product are not covered by the warranty.

8) The consumer may apply to the Consumer Arbitration Board or the Consumer Tribunal where the settlement is located or where the consumer transaction is made during the disputes arising out o