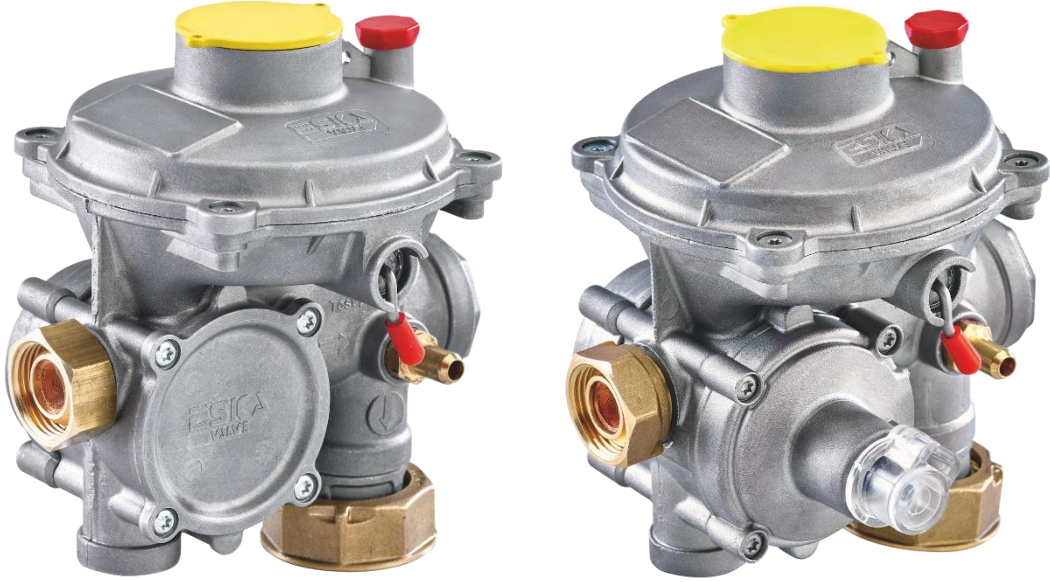


ESKA



ERG-SE SERIES GAS PRESSURE REGULATOR WITH SAFETY SHUT-OFF DEVICE and ERG-S SERIES GAS PRESSURE REGULATOR WITHOUT SAFETY SHUT-OFF DEVICE ASSEMBLY, USE AND MAINTENANCE INSTRUCTIONS

“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.”

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1- GENERAL NOTICE AND CONTROLS TO BE CARRIED OUT

All procedures in this manual must only be carried out by expert personnel who have been licensed by the competent authorities. Unauthorized people absolutely must not respond to the device. Our company is not responsible for the malfunctions, damages, accidents, etc. that result from any operation that is not carried out in compliance with the rules and information in this manual.

End users and unauthorized people must read this manual and follow all safety rules that might be relevant to them. They must not respond to or tamper with the product under any circumstances, change any settings or make a physical input. In case of a malfunction, gas leak, etc., they must shut off the inlet valve on the front face of the regulator and they must notify the relevant gas distribution company and the experts who have been approved by the competent bodies.

If there's any electrical stress or gas pressure around the product, do not operate it under any circumstances. Respond appropriately by taking official regulations into consideration. It's prohibited to smoke or light a fire within 2 meters next to the product. The product must be kept away from chemicals, rain or water. The necessary precautions must be taken considering that the product may get exposed to natural events such as earthquake, flood, landslide, fire, etc.

Read this manual and the label on the product carefully before any procedure. Retain this manual and the label for future references. Use the product by following this manual and the instructions provided on the label. If the manual and/or the label is lost, request a new one from the manufacturer before starting any procedure. If any procedure that does not comply with this manual or the label is carried out, the product may malfunction or break down, or this may lead to injuries or loss of life and property. In case there's any doubt before, during or after the procedures, contact the manufacturer. Keep this manual, the label and the box of the product near the product at all times. After all procedures, preserve this manual, the label and the box in a safe area. Do not start any procedure before reading this manual and the product label. If this manual is out of reach, if there's something you don't know, don't understand or aren't sure about, or if you cannot carry out the procedures even though you comply with this manual; contact the manufacturer or our representative. Do not exceed the technical limits specified on this manual or the product.

The product has been designed for the conditions and the loads that comply with the intended purpose as well as sensible and foreseeable working conditions. The product must only be used under design conditions in accordance with the intended purpose. The working limits specified on the technical properties section must not be exceeded and any pressure higher than the maximum pressure must not be supplied to the product. No fluids other than the specified appropriate fluids must be used. Choose the product best suited for you by specifying all conditions. Compare the integrity of the product to the information on this manual and the label. If everything matches up, move forward to the assembly stage. Contact the manufacturer before using the product if the information on the manual and the label do not match. Do not use the product if it does not comply with the field conditions. While sending the malfunctioning, exchanged and faulty products back to the manufacturer, make sure that the box, related apparatus, accessories, connection parts, etc. and the label are included. If not, the manufacturer reserves the right not to admit the products.

For all procedures on this manual and during operations, use the appropriate tools and methods. All products are placed in special cardboards, boxes and packs in order to avoid any possible damages during shipping and transportation. During shipping and transportation, all procedures and operations; make sure that the products are not dropped, thrown, shaken, exposed to overload and excessive force or blow, crushed or stacked with heavy material, and that the external parts or projections of the product are not damaged, wet or tipped over. The product, additional parts and spare parts must be stored in their own packages until the assembly. After opening the packs, it must be made sure that the product and the additional parts are not damaged. In case there are any damages, the relevant parties must be notified and the product must be kept in its original package for reviewing.

Before, during and after any procedure and during all operations of the product; make sure that the necessary legal permissions are granted, all relevant parties are informed and notified, all safety measures are taken including personal protection (goggles, helmet, etc.), the procedures are carried out in accordance with current legislations, regulations, and technical standards and rules accepted by gas boards, the safety of the working conditions are reviewed, all necessary precautions are taken against fire risks, the gas is not inhaled, the precautions are taken against dangerous combinations or any possible emanation of liquids inside the line, foreign objects are not inserted in the release opening if there is one, no one approaches the device with electrical materials, the operation area complies with the general protection plan and required safety warnings, and flammable or explosive materials such as fire, spark or cigarettes are not brought into the area next to the product since it contains flammable gas.

Only the parts that come with the product within the box must be used; unoriginal parts that do not belong to our company must be avoided. If necessary, contact us in order to procure spare parts. Tampering with the product or using unoriginal and/or different parts invalidate the warranty. These may also endanger the device's function. At the end of their life cycle, the products must be replaced with new ones. Follow the legislations and regulations while sorting, recycling, destroying or disposing of the products, spare parts, non-reusable parts, packaging (pack, box, stretch), etc. at the end of their life cycle.

At any stage on this manual or during any operation; do not try to remove the product's lever and the shut-off lever (only on ERG-SE series), do not let them be exposed to any mechanical damage, do not move around or overextend them.

The product must be set up and activated only after cutting off the product's gas supply and letting an authorized person determine whether or not there's a gas leak.

If appropriate, it's recommended to use our product regarding the safety of gas lines. The product may only be used when it's in perfect condition. Faults and malfunctions must be resolved immediately.

The end user and/or the authorized personnel is responsible for applying the right systems in order to protect the product. Take precautions and develop systems in order to protect the device from outside factors and faulty procedures such as tampering with the product, opening the lids of the device, introducing substances such as wires, water, dirt, etc. into the openings of the device, emergencies such as earthquake, fire, flood, etc., corrosion and chemical effects, environmental impact, adverse weather conditions (rain, snow, frost, moisture (e.g. as a result of condensation)), mold, UV rays, pests, poisonous or irritant solvents/liquids (e.g. cutting or cooling fluids), direct sunlight and corrosive atmospheric effects, access by unauthorized people, not being able to detect the gas leak, etc.

Necessary protective measures must be taken considering that static load might occur on the integrated parts of the product or any other part that is operated along with the product. It's recommended that this value is measured at certain intervals. The personnel who will check the static load must work with antistatic protective equipment.

2- DEFINITIONS AND ABBREVIATIONS

Device or the Product : ESKA Gas Pressure Regulator

Authorized Body : The gas distribution company that is responsible for distributing gas in the province or the region

Authorized Installer : In compliance with the laws, regulations and standards; a person authorized by official bodies who is responsible for installing, assembling, operating, periodically maintaining and inspecting the device; who is experienced, trained and qualified in this area, has know-how and advanced technical information, knows the laws, regulations, standards, etc. regarding safety and operations, is experienced regarding all necessary precautions

PS: Maximum Allowed Inlet Pressure
TS: Working Temperature Range
Pds: Outlet Adjustment Pressure
bpu: Inlet Pressure Range
Pdso: High Pressure Safety Shut-off Adjustment Pressure (For the ERG-SE series)
AC: Accuracy Class (\pm change in outlet adjustment pressure)
DN: Connection Nominal Diameter
Qmax: Maximum Flow Rate
Qmin: Minimum Flow Rate
Pumax: Maximum Inlet Pressure
Pdo: Release Starting Pressure
Wd: Outlet Pressure General Adjustment Range
Wdo: High Pressure Safety Shut-off General Adjustment Range

3- TERMS OF USE, TECHNICAL INFORMATION AND OPERATION PRINCIPLES

Functionally, the regulator reduces the value of the controlled variable (outlet pressure) to the desired/adjusted value and keeps it within the tolerance range without being affected by the detrimental variables such as flow rate and inlet pressure. The gas pressure regulator helps the devices that come after itself on the gas line function safely. If requested on the order, the gas pressure regulator may have a release system that releases to open air. The auxiliary equipment of the regulator may temporarily release gas to the atmosphere. In this case, necessary precautions regarding the gas that will be released must be taken before the assembly. The transmission lines are internal in the regulators.

The gas pressure regulator also has a capacity restriction system, which is activated when the outlet flow rate is at 101% to 150%.

The gas pressure regulator is not pilot-operated. It does not have controlling properties. It does not need a bypass unit in order to function. It is not used as a substitute controlling device. It has a two-stage trigger spring.

On the ERG-SE series gas pressure regulators, there's a high pressure safety shut-off device on the same body (meaning it's integrated on the regulator), which gets activated when the outlet pressure increases to unwanted levels, automatically shuts off the gas on the line and remains shut off until being manually set up. This device is functionally independent from the regulator.

Note: Since there isn't a safety shut-off device that shuts off the pipeline in case of excessively high outlet pressure on the ERG-S series products, additional precautions must be taken by relevant parties regarding the unwanted excessive pressure increase on the outlet side of the line.

The technical properties of the product are as follows. These values may vary from product to product depending on factors such as outlet flow rate, outlet pressure, inlet pressure range, etc. The definitive technical information of the product is specified on the label. Under any conditions, the product must not be used outside of the restrictions below.

Type-Model-Series: ERG-S and ERG-SE Series

Product Name:

ERG-SE: Gas Pressure Regulator with Safety Shut-off Device

ERG-S: Gas Pressure Regulator without Safety Shut-off Device

Brand: ESKA/ESKA VALVE

Working Temperature Range "TS": -10 °C; 60 °C or -20 °C; 60 °C (If requested, the LT version: -40 °C; 60 °C)

Area of Use: Service stations and service boxes on the gas lines

Suitable Fluids: Hot Air, Natural Gas, LPG and non-corrosive gases

Maximum Allowed Inlet Pressure: PS6, PSD0.6

Test Pressure: PT=PSx1,5 bar

Connection: Inlet DN15 Threaded, Outlet DN20 Threaded or DN25 Threaded (if requested, modular connection with nuts)

Line Connection Directions: Q Type, Inline Type, Angle Type, U Type

Outlet Pressure Accuracy Class - Outlet Pressure Tolerance: $\pm 5\%$ AC5, $\pm 10\%$ AC10, $\pm 20\%$ AC20

Outlet Pressure Adjustment Range (Wd) : 18-500 mbar

High Pressure Safety Shut-off Adjustment Range (Wdo): 30-800 mbar (Only for the ERG-SE series products)

Inlet Pressure Range (bpu): between 0.1 and 6 bars (0.1-6 Bar / 0.5-6 Bar / 0.7-6 Bar / 1-6 Bar, etc.)

Minimum and Maximum Flow Rate (Qmin-Qmax): 0.25 m³/h - 60 m³/h (Natural gas) (Under standard conditions)

The natural gas flow rate may be converted to the approximate LPG flow rate by multiplying by 1.3, or to the approximate air flow rate by multiplying by 0.78.

Material Reference Standards: Aluminum Cast Alloy Materials EN 1706, Elastomer Materials EN 549, Brass Materials EN 12164-EN12165

Filter: Changeable metallic filters are available on the inlet connection part of the product. Plastic or metal filters are available on the release part. Upon request, filters from changeable metallic materials may be installed on the safety shut-off device. (Only on ERG-SE series products)

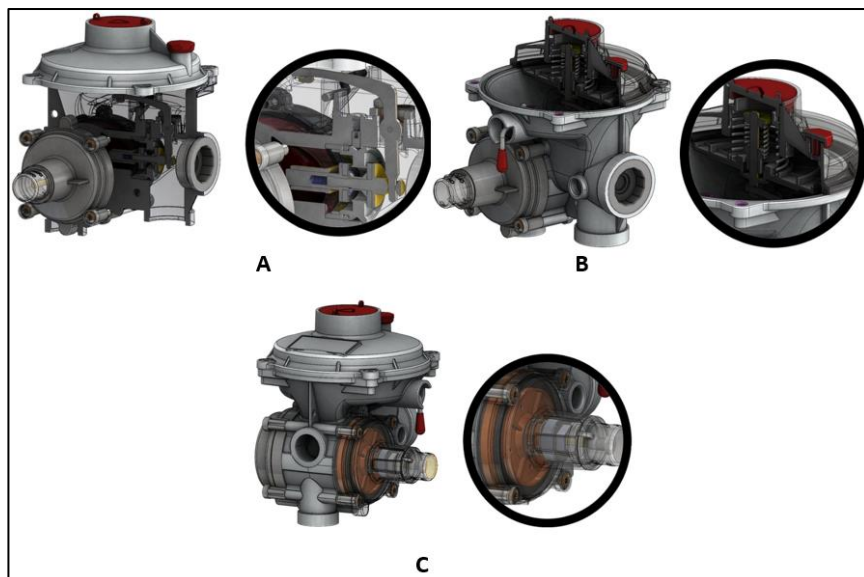
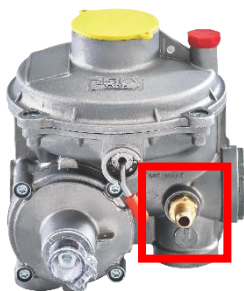


Figure 1 (A: Capacity Restriction Detail, B: On-Demand Release System Detail, C: Safety Shut-off System Detail (Only for ERG-SE series products))



If requested:

- Appropriate connection and/or nipples in order to measure the pressure or pressure differential (Figure 1)
- Appropriate connection and/or nipples in order to release the dangerous gas accumulation (Figure 1)

4- ASSEMBLY

These procedures must be carried out by expert, licensed, authorized technicians or authorized companies, services or installers that have been certified by the gas board. These procedures absolutely must not be carried out by the end user. In case the product is not installed appropriately, any malfunction or breakdown may lead to injuries or loss of life and property. Our company cannot be held responsible for any application that does not comply with the manual.

Before the assembly, determine and make sure with which properties you are going to use the product. Check the technical and general information specified on this manual and the label on the product. Compare them and make sure you make the right choice. Pay special attention to the information on the label since it represents the product. If there are any discrepancies between these information, contact the manufacturer before carrying out any

procedure. Check the accessories and the documents that might be on the product or the box (As shown in Figure 8; the inlet filter that can be found on the inlet connection side, the outlet gasket (For ERG-SE series No:12, for ERG-S series No:9), shut-off protection cap number 9 (Only for the ERG-SE series), lever plastic number 7, protection caps on the connections if they exist, pressure adjustment seals if they exist, release protection cap number 3 if it exists, manual, alert information if it exists, etc.). Compare the product and the line on which the product will be installed and make sure they are suitable for each other (working pressure range, outlet pressure, fluid, flow rate, environmental conditions, cleanliness of the line and the fluid, choosing the connection types and diameters, compliance of the line and the product dimensions, etc.). If there's something missing or faulty, contact the manufacturer before carrying out any procedure. You must check and make sure that the product doesn't have any damages (visual or functional), the product to be installed is suitable for the system, the pressure doesn't exceed the maximum pressure level specified on the label, the dimensions of the product comply with the line, and the assembly area is at a safe distance from the sparks or electrical currents that might originate from flammable materials or devices.

Note: While choosing the flow rate of the regulators, you must determine the maximum capacity of the line where the product will be installed. Choose a regulator that has a maximum capacity smaller than this value.

The regulator must not be exposed to fire or lightning. For outdoor installments; the regulator must be away from the traffic or external factors. It must be placed in a way that will prevent water, ice or other foreign substances from entering the spring box through the ventilation opening. Avoid placing the regulator under a fringe or the downpipes. Check for a risk of explosive mixtures inside the pipeline. Make sure that the product is above the potential snow level. The product must be mounted in an aseismic area or in an area where the necessary precautions have been taken for seismic activity.

Check and make sure that the inlet and outlet pipelines are aligned. Verify that the assembly is being done in accordance with current technical laws and legislations. While assembling with adjoining components, special attention must be paid not to apply pressure force on the body, and the assembly components (bolts, o-rings, screws) must comply with the geometry of the device and the working conditions. You must not make any changes on the product (drilling, stoning, soldering, etc.). In order to avoid exceeding the usage limits (PS, TS), make sure that the inlet side is protected with an appropriate device.

Make sure that the connecting components that will be used during the assembly comply with the regulations. Assemble the product in accordance with the current legislations and local regulations. Obtain the necessary permits if necessary. Prevent the mixture of explosive gases and air, and control by taking measurements. Avoid any contact voltage and flammable spark on the product.

There must be an inlet and outlet shut-off valve before and after the regulator on the line where the mounting will be carried out. Before and during the assembly, make sure that there isn't any compressed gas between the product and the line or on the line itself. Make sure that the gas supply is shut off and there aren't any possibilities for it to be turned back on. Before the assembly, it must be checked that the line pressure is within the inlet pressure range specified on the product label and that the regulator capacity will not be exceeded during operations. Before the assembly, an adequate buffer volume must be left on the line outlet after the regulator. The recommended buffer volume is 1/500 of the nominal flow on the products with outlet pressure up to 300 mbar, and 1/1000 of the nominal flow on the products with outlet pressure over 300 mbar. Necessary precautions must be taken in order to avoid any noise or vibration originating from the line. There must not be axial misalignment on the line that will be mounted. For humid gases, necessary precautions must be taken in order to avoid water intake and potential subsequent freezing. Before the assembly, take the necessary precautions through methods such as clamping on the line part, etc. in order to reduce the bending and torsional load resulting from the pipes and the jolting on the inlet and outlet sides of the line. Make sure that the load of the pipeline does not affect the product. Make sure that there aren't any short-range shrinkage or enlargement of the diameter on the inlet or outlet sides of the product. Ensure that the necessary dimensions and space are provided by taking the product's external dimensions as reference and taking the future procedures such as testing, maintenance, removal, etc. into consideration. Verify that the inlet pressure of the product is higher than the outlet pressure and that it will be higher under all circumstances. Before assembling the product on the line, clean the internal parts of the pipe with compressed air and eliminate the foreign substances such as dust, dirt, sawdust, welding particles, etc. Take the necessary measures to prevent these lines from getting contaminated

again. Carry out the general pressure and tightness controls of the line and the system. Make sure that an external filter is installed in order to filter out the gas before the gas pressure regulator. Assemble the products by taking the necessary precautions (e.g. inside a protective box, etc.) so that they won't be exposed to external damage or impact resulting from the environmental factors or external corrosion (sunlight, rain, snow, moisture, water, external chemicals, etc.)

In order to start the assembly: Obtain the necessary permits from the gas distribution companies. Take all necessary measures considering all risk variations and combinations. Make sure that all valves that supply gas to the product are turned off and there's no gas flow. If they need to be used, make sure that the connection components comply with the regulations. Do not use materials such as putty, special liquids, etc. in order to ensure tightness in the connections. The gaskets that will be used during the assembly must be the appropriate and licensed gaskets, and they must be new with the appropriate rigidity. Make sure that the gaskets do not have a flaw that will affect their tightness properties. Remove the product from the box and manually remove the inlet-outlet connection protection caps if they exist. Make sure that the inlet filter is correctly mounted on the inlet connection part. If it's not, mount it manually. Manually place the outlet gasket that comes inside the box (No:12 for ERG-SE, No:9 for ERG-S) on the outlet connection nozzle (always use new and licensed gaskets). Set the flow direction of the product in a way that the arrow on the product's body indicates the outlet side and the gas flow direction. With a tolerance range of $\pm 5^{\circ}\text{C}$, set the position of the product for the dry gases horizontally or vertically like it has been specified on Figure 1, provided that the upper hatch part, which includes the outlet pressure adjustment part, does not face the floor. If the fluid is LPG, set the position by making sure that the regulator outlet side faces the floor. Place the product on the line without applying excessive load, force or impact and in a way that will not block the product's outlet sense line or will not expose it to mechanical stress. Tighten the product's inlet and outlet connections number 6 (No: 11 for ERG-SE, No:8 for ERG-S) by using the appropriate wrench without using excessive load, force or impact; making sure that there aren't any external leaks. After the tightening procedure; make sure that the connections settle in the bearings perfectly, that there aren't any mechanical problems on the connections such as fractures, etc., and that there aren't any mechanical stress on the product originating from the line, pipe or connections.

If the product has flanged connections; observe that the inlet and outlet flanges are the same as the line connecting flanges in order to prevent unnecessary mechanical stress on the product body. Make sure that they are aligned perfectly and are parallel to each other. Tighten the nuts and bolts gradually in a diagonal pattern in gradually increasing torques. Tighten each nut clockwise at least once more until the maximum torque is obtained. Also, calculate the necessary gap to place the tightness gasket and center the gaskets appropriately in the connection. If there's a gap between the line and the product, do not try to reduce the gap by tightening the gaskets more than necessary.

Provide protection for the product (e.g. by storing it in a box, etc.) so that unauthorized personnel do not tamper with it, bump into it or accidentally touch it. After the assembly is completed, check and make sure that you have not assembled the product the wrong way around, that you have complied with current laws and local regulations, and that you have carried out the procedures in accordance with the information on this manual.

The relevant restrictions must be taken into consideration regarding the reaction and momentum resulting from the pipe and the connections. In case the connection components that have been installed on the inlet and outlet sides of the product are bigger than the connection diameters on the product's body (fittings, nozzles, etc. before installment), you must not use any force or momentum that exceeds the values required by the main connection diameter on the body and you must not go over the restrictions. In this context, the bending and torsion load limits of the product may change according to the direction of the line connection. Regardless of the product's inlet and outlet pipe connection diameters or nozzle diameters; the maximum loads that can be applied on the product are 10.5kg bending and 5kg torsion on the inlet sides, 34kg bending and 12.5kg torsion on the outlet side that has a bigger diameter, and 22.5kg bending and 8.5kg torsion on the outlet side that has a smaller diameter. It's recommended that the impact of these loads do not go over 10 seconds. Otherwise, the product may malfunction.

If the products are going to be used in floor type applications, this must be specified during the order stage. In this case, the products that have been appropriately coated on the outer surface must be used. Necessary precautions must be taken in order to prevent dirt, dust, liquid, etc. from entering the release part of the product if it exists. Also, it must be made sure that the products are not used while completely or partially immersed in water, earth or other liquids. If necessary, the exhaust line must be connected to the ventilation console of the regulator. This connection

must be at least DN10 threaded. The threaded adaptor that might be necessary for this connection must be requested and used. The gas pressure regulators with a release system must not be mounted indoors or on floor type applications without taking the necessary precautions for the gas to be released into a safe area (for instance, the released gas must be released and mixed into the atmosphere through at least a DN10 pipe, etc.).

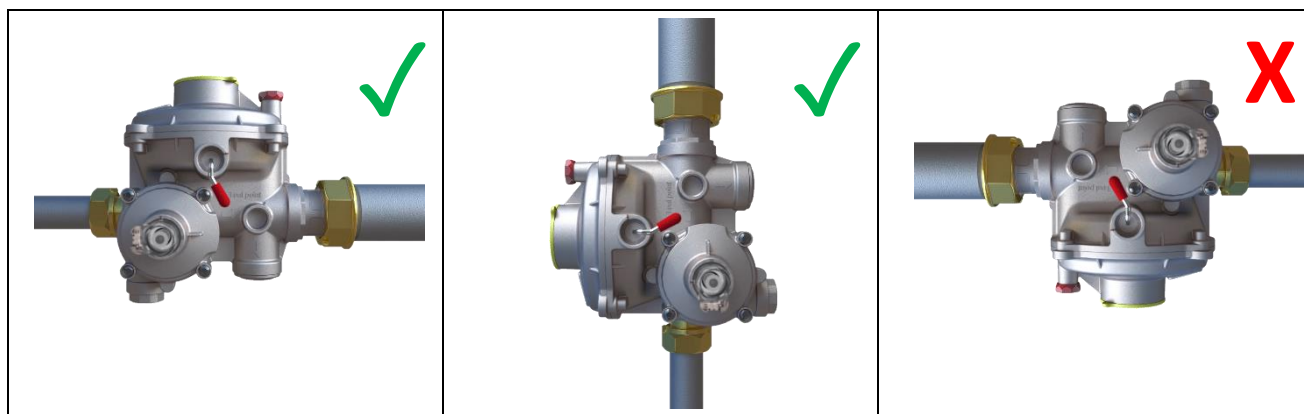


Figure 1

5- SETUP, START-UP AND OPERATING

Before the setup, carefully read the instructions on this manual and the information on the product label. Keep them close and strictly follow them. If you think there's missing or faulty information, do not carry out any procedures and contact the manufacturer.

Before the setup, check and make sure that the people at the outlet side are not using the device. Do not change the factory settings. The factory settings have been adjusted according to the values requested on the order contract and they have been specified on the label. The adjustment equipment are sealed if requested on the order contract. Give the necessary warnings so that the end users do not use it. Before starting the setup, you must first shut down the main gas supply. Before setting up the device, make sure that the product has been assembled correctly on the line. During the setup, prevent particles such as dirt, rust, dust, etc. from entering the device and take lasting precautions. Not getting rid of the residue leads to damages or faulty performance.

During the start-up, unauthorized personnel must absolutely be kept away from the device and the limited access area must be appropriately marked (signs, barriers, etc.). During the start-up; in case flammable or hazardous fumes are released into the atmosphere, the risks that have been determined in case of a discharge must be assessed. During the setup, take into consideration the risk of generating an explosive mixture (gas/air) in the pipes. Take the necessary measures. Make sure the ventilation and/or the exhaust lines on the product are not obstructed. Take the necessary precautions to make sure that these lines are not obstructed in the future. Do not install caps on these lines such as blind caps that may block the gas outflow.

In ERG-SE series products;

In order to begin the installation; make sure the outlet valve in the line is completely closed, open the inlet valve slowly in the line, i.e., the gas supply, a little bit gradually, and make sure the pressure is appropriate from the manometer on the inlet side. Remove the transparent shut-off protection cap no. 9 by hand by turning it counter-clockwise (Process number 1 in figure-2) and pull the shut-off cap no. 8 slowly towards you by hand, without applying excessive load, force and impact and keep holding it in that way (It should be noted that there will be a resistance when pulling this cap due to the inlet pressure). When the shut-off cap no. 8 is pulled, turn the cap manually no. 7 of the product counter-clockwise slowly and gradually without forcing it, without applying excessive load, force and impact and release it (Process number 2 in figure-2) (It should be noted that there may be some gas escape from the relief for a while). After the gas passage from the relief is completed, release the shut-off cap no. 8, and make sure that it remains pulled, observe that the cap no. 7 returns to its first position. In this case, the product is installed. Then make sure you see a

pressure within the SG (KT) tolerances of the product from the manometer on the outlet side, then open the valve gradually and slowly on the outlet side a little bit, make sure you see a value in the AC tolerances of the product from the manometer on the output side. Open the inlet gradually supply valve fully and verify that the pressure is appropriate from the inlet manometer. Fully open the outlet supply valve gradually and verify that the pressure is appropriate from the outlet manometer, then put the shut-off protection cover no. 9 back in place.

In ERG-S series products;

In order to begin the installation; make sure the outlet valve in the line is completely closed, open the inlet valve slowly in the line, i.e., the gas supply, a little bit gradually, and make sure the pressure is appropriate from the manometer on the inlet side. Turn the cap manually no. 7 of the product counter-clockwise slowly and gradually without forcing it, without applying excessive load, force and impact and release it (Process number 2 in figure-2) (It should be noted that there will be a resistance when pulling this cap due to the inlet pressure). Observe that the crown no. 7 returns to its original position after the gas passage from the discharge is completed. In this case, the product is installed, then make sure you see a pressure within the SG (KT) tolerances of the product from the manometer on the outlet side, then open the valve gradually and slowly on the outlet side a little bit, make sure you see a value in the AC tolerances of the product from the manometer on the output side. Open the inlet gradually supply valve fully and verify that the pressure is appropriate from the inlet manometer. Fully open the outlet supply valve gradually and verify that the pressure is appropriate from the outlet manometer.

Repeat the installation process if it does not occur. During these processes, the installation cap of no. 7 will show the difficulty of turning, the shut-off cap no. 8 will show the difficulty of being pulled; or since the outlet pressure reached to the safety set pressure, if you encounter the closing of the 8 shut-off cap, in this case; there may be malfunctions in the products, do not install these products on the line and contact the manufacturer.

After installing the product, for ERG-SE series products, install the shut-off protection cover no. 9 and reinsert manually the relief protection plug no. 3, if any, on all products. Check there is gas passage at the exit, the cap no. 7 remains in its first position before installation, and the shut-off cap no. 9 remains pulled-installed position in ERG-SE series products, the gas that may come out can mix with the atmosphere if the product has an evacuation system, and inform gas users about gas usage.

Besides, after setting up the device, make sure that the inlet and outlet valves are on and that there's pressure on the outlet side. Check all external parts of the product including the connections by using methods such as appropriate foam, liquid, detector, etc. and verify that there isn't any external leak on the product or excessive noise or vibration on the line or the product. Connect the appropriate manometer, which has been connected to the pressure source, to the test valve that is located on an appropriate spot at the outlet line after the regulator (during this procedure, make sure that the connections are tight and leakproof). When there's a consumption of $0,5 \times Q_{max}$ on the outlet side of the regulator, measure the outlet pressure and check whether or not it's within the tolerance range. Shut off the outlet valve on the outlet side of the regulator and wait for a while. Check whether the outlet pressure is stable and there aren't any internal leaks. In order to make sure that the external leak or the released gas originating from the product do not create a dangerous atmosphere while carrying out this procedure, take all necessary measures and do not operate it indoors. The procedures that may lead to pressure inflow to the inlet connection nozzle and the body higher than the determined PS value must not be carried out under any circumstances and this situation must not be allowed. Analyze the pressure values with the calibrated manometer that has been assembled at least $5 \times DN$ on the outlet pipeline. In order to avoid any kind of gas leak or fizzling out of the gas burning device, etc. by the user during all these procedures, the users must be informed appropriately and the necessary measures must be taken.

During the setup procedure or during mid-season, as a result of temperature difference, etc., there may be a gas outflow into the atmosphere from the release part of the product. This is normal. It's important that the gas outflow in question is not continuous. If the gas outflow is continuous, there might be a malfunction in the product. In this case, do not keep using the product. Immediately contact the authorized people and competent bodies, and take the necessary safety measures on the line.

At indoor areas, the leaked gas may accumulate and create a risk of explosion. In such cases, the connection must be carried out through a pipe from the product's ventilation hole to the outdoors (atmosphere).

If the gas pressure regulator is shut down during operation for some reason; the inlet valve must be shut down, the problem must be detected, and it must be re-setup according to the rules explained above.

On the ERG-SE series products, the outlet pressure may increase while operating due to the abrupt stopping of the boiler or an internal leak originating from unclean air or the foreign substances on the line. When this happens, the product's high pressure safety shut-off device may be turned off and the gas on the outlet side of the regulator may be cut off. The position of the safety shut-off can be observed via the lever number 8 which is inside the transparent cap number 9. In this case, the setup procedure must be carried out once again.

During operation, if there's an increase in capacity by 101% to 160% of the maximum capacity specified on the regulator, the capacity restriction system is activated and the gas flow is cut off. In this case, the setup procedure must be repeated. (In this case, the shut-off lever number 8 on the ERG-SE products remains in the locked position and is not turned off, but the gas has been cut off by the regulator)

6- SETTINGS

If necessary for a variety of reasons, the product's outlet pressure and safety shut-off pressure settings (for ERG-SE series products) must be carried out as follows. Under normal conditions, there's no need to change these settings. These settings must be changed if the authorized people think it's necessary.

The settings must not be changed more than $\pm 10\%$ and outside the restrictions on the label.

The seals on the adjustment parts of the product must be removed if they exist. While carrying out the pressure settings, the adjustment mechanisms and the springs must not be pressed or forced. Connect the pressure gauge or the manometer on an appropriate test valve between the regulator and the outlet pipe in order to see the setting values. During all adjustments, turning it clockwise leads to pressure increase and turning it counterclockwise leads to pressure decrease. When the outlet pressure is increased, the safety pressure must be increased as well.

In order to change the outlet adjustment pressure: manually turn the cap number 1 on Figure 8 counterclockwise to remove it. Turn the adjustment ring number 2 towards the appropriate direction with a 27mm hexagonal wrench. Mark the adjustment pressure. Manually turn the cap number 1 clockwise to reattach it.

Note: While setting the appropriate pressure for the product, it's recommended that you set the capacity value on the outlet side to $0,5 \times Q_{max}$. This value must not be below $0,1 \times Q_{max}$ under any circumstances.

In order to change the high pressure safety pressure on the ERG-SE series products: manually turn the cap number 9 on Figure 8 counterclockwise to remove it. Turn the adjustment ring number 10 on Figure 8 towards the appropriate direction with a 13mm hexagonal wrench. Mark the adjustment pressure. Manually turn the cap number 9 clockwise to reattach it.

In order to change the release system release adjustment pressure if it exists: manually turn the cap number 1 on Figure 8 counterclockwise to remove it. Turn the adjustment ring in the internal part on Figure 4 towards the appropriate direction with a 16mm hexagonal wrench. Mark the adjustment pressure. Manually turn the cap number 1 clockwise to reattach it.

After changing the settings; check and verify with appropriate methods that the technical properties and the restrictions on this manual and on the product are complied, the product does not continuously release gas into the atmosphere, the outlet pressure is at the desired level, and all procedures are carried out safely and correctly. After making the pressure adjustments in question, it's recommended that the adjustment equipment is sealed on the products that are being used in the field so that the adjustments cannot be changed. For this procedure, the seal inside the box may be used if it exists.

Note: When the outlet adjustment pressure of the product is changed, taking into consideration the changes in the working conditions, it must be verified that the pressure values are not close to the release adjustment pressures (if it exists) and safety adjustment pressures, and that they are not within this range. Otherwise, the product continuously releases gas into the atmosphere or the product's safety shut-off mechanism may get activated and unexpectedly cut off the gas, which may lead to dangerous situations. It must be made sure that these situations do not occur after the settings are changed.

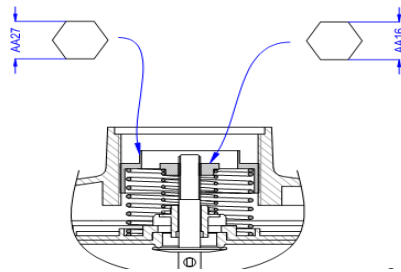
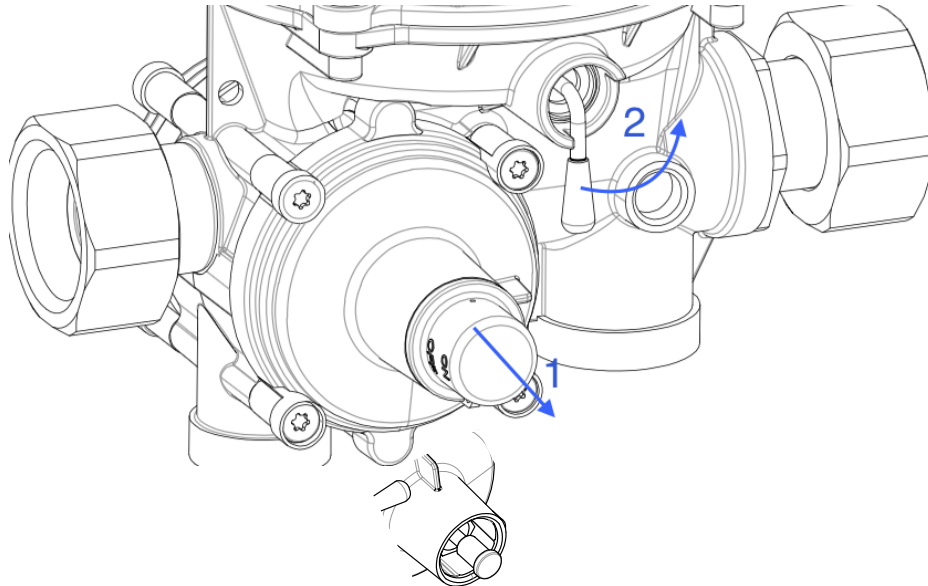
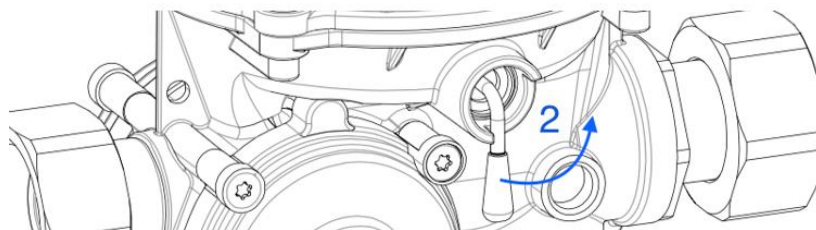


Figure 4



ERG-SE Series Products



ERG-S Series Products

Figure 2

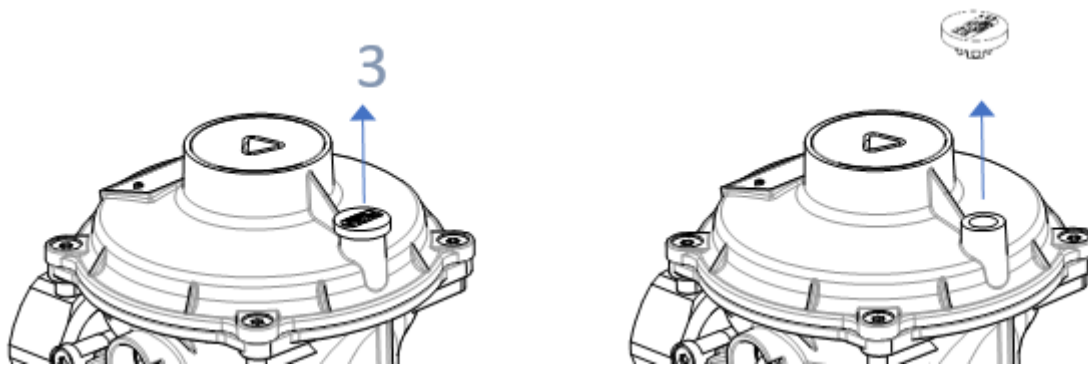


Figure 3

7- PERIODICAL MAINTENANCE AND INSPECTION

Periodical inspection is recommended for making sure that the regulator functions safely and properly. The frequency of periodical inspections must not exceed the limits specified by the gas board or the regulations. The maintenance period must be adjusted according to the working conditions. End users must not carry out any maintenance procedure for the product.

During all procedures, the instructions on this manual must be complied. All periodical maintenance procedures must be carried out after removing the product off the line. Do not carry out abrupt discharge in order to clean the line after the product under any circumstances. Do not start any maintenance procedure before releasing the internal pressure that might have accumulated inside the product. For the necessary periodical maintenance, remove the product off the line in accordance with the disassembly rules specified on this manual.

For the necessary periodical maintenance that does not have to be carried out on the line, remove the product off the line according to the removal rules specified on this manual. Manually remove the filter that has been mounted on the nozzle on the inlet connection side and the outlet gasket that has been mounted on the outlet connection nozzle. Clean them appropriately. If necessary, replace them with new ones. Then, remount them. Remove the screws on the regulator caps without any stress using appropriate tools and remove the caps manually. Do not remove the parts of the caps that have been removed. Keep the caps as a whole with their parts inside. Clean these parts slowly with a clean washcloth. On the ERG-SE series products, you must also remove and clean the filter inside the shut-off valve if it exists. Make sure that the connection components of the product (screws and/or gaskets and nuts) are mounted and removed using the specified torques. Mount the caps using the same screws, without applying stress on the screws or using excessive force by tightening them so that they align with the holes. Make sure that they are not loose or that they have not been exposed to any mechanical damage. When the maintenance is completed, assemble the product on the line and set it up according to this manual.

Note: If there's any kind of paint, lacquer, seal, etc. on the connection parts of the regulator such as screws, etc., do not carry out any maintenance procedures and contact the manufacturer. Do not carry out the cleaning procedure with cleaning supplies that contain alcohol or solvents. After the periodical maintenance procedure, it's under the responsibility of the institution that carries out or requests the periodical maintenance to make sure that the product is operated safely and correctly at values that have been specified by the manufacturer. In this context; in cases where you have any doubts, you must not install the products on the line and you must contact the manufacturer.

For the periodical maintenance that can be carried out on the line without removing the product, make sure that the inlet and outlet valves are turned on and that there's pressure on the outlet side. Check all external parts of the product including the connections by using methods such as appropriate foam, liquid, detector, etc. and verify that there isn't any external leak on the product or excessive noise or vibration on the line or the product. Connect the appropriate manometer, which has been connected to the pressure source, to the test valve that is located on an appropriate spot at the outlet line after the regulator (during this procedure, make sure that the connections are tight and leakproof). When there's a consumption of $0,5 \times Q_{max}$ on the outlet side of the regulator, measure the outlet pressure and check

whether or not it's within the tolerance range. Shut off the outlet valve on the outlet side of the regulator and wait for a while. Check whether the outlet pressure is stable and there aren't any internal leaks. In order to make sure that the external leak or the released gas originating from the product do not create a dangerous atmosphere while carrying out this procedure, take all necessary measures and do not operate it indoors. The procedures that may lead to pressure inflow to the inlet connection nozzle and the body higher than the determined PS value must not be carried out under any circumstances and this situation must not be allowed. Analyze the pressure values with the calibrated manometer that has been assembled at least 5xDN on the outlet pipeline. In order to avoid any kind of gas leak or fizzling out of the gas burning device, etc. by the user during all these procedures, the users must be informed appropriately and the necessary measures must be taken.

After the tests in question, make sure that all accessories and apparatus such as the shut-off protection cap (on the ERG-SE series products), the lever plastic, the pressure adjustment seals if they exist, the release protection cap if it exists, the release sieve if it exists, etc. are mounted on the product. Set the device up by following the setup rules specified on this manual.

If any problems are observed during periodical maintenance or inspection, the necessary procedures may be carried out in accordance with the rules explained in the malfunction section.

8- CUT-OUT, REMOVAL AND CHANGING

Before, during and after all removals and changes, follow the rules specified on this manual and carry out the necessary procedures. Before and during the removal and changing procedures; make sure that there's no compressed gas on the line and between the line and the product, that the gas supply is shut off, and that the possibility of turning back on is completely prevented.

Turn off the inlet and outlet valves that are located on the line at the back and the front of the regulator. Release the compressed gas that has accumulated between the line and the product safely and gradually through the part between the gas pressure regulator and the outlet valve. Remove the inlet and outlet connections off the line with an appropriate wrench without using excessive load or force. If it's going to be replaced with a new product, assemble and set up the new product according to this manual.

9- MALFUNCTIONS, REPAIR, PROBLEMS AND SOLUTIONS

Before, during and after all malfunctions, follow the rules in the order specified on this manual and carry out the necessary procedures. Pay special attention to informing the end users and take the necessary precautions against the dangers of compressed gas.

End users must not carry out any repairing procedures on the product. All repairing procedures must be carried out by authorized services and personnel. The people other than users or authorized personnel must not respond to the product and the line in case of a malfunction.

If you suspect a malfunction, it's recommended that you carry out the procedures on Table 1 according to the type of the problem. If you do not want to carry out these procedures, or if you cannot eliminate the problem even after you carry them out; do not try to interfere with the product any more. Remove the product off the line according to the rules of removal specified below without trying to open it up, send the product to our company, and install a new product on the line. The maintenance, repairing and changing procedures must not be carried out in a way that will interfere with the internal parts of the product.

The maintenance and repairing must be carried out on empty systems and products that have been removed off the line. Only use original spare parts.

Problems and Solutions		
Problem Code	Problem	Codes for the procedures in order
P1	Dirty filter	10,11

P2	Auto setup	12,1
P3	Mechanical damage	1
P4	Unable to setup	13,9,1 (Also, No:25 must be carried out for the ERG-SE series products, and No:14 must be carried out for the ERG-S series products)
P5	No gas passage	3,15 ,16,17,18,10,11,5,2,4,25,1 (Also, No:26 must be carried out for the ERG-SE series products, and No:14 must be carried out for the ERG-S series products)
P6	External leak	16,17,18,1
P7	High outlet pressure outside the tolerance range	8,7,2,1
P8	Low outlet pressure outside the tolerance range	16,17,18,5,6,3,2,1
P9	Release system errors	7,8,2,1
P10	Insufficient flow rate	3,10,11,4,2,1
P11	Missing accessories	23 for the ERG-SE series products 21 for the ERG-S series products
P12	Noise and Vibration	24 for the ERG-SE series products 19 for the ERG-S series products
P13	Shut-off errors	Only on ERG-SE series products; 19,27, measure the outlet pressure to see if it increases, carry out the procedures 7,8,2 if it does, 20,21,25,1

Table 1

Descriptions of the codes for the procedures to be carried out in order during problems

- 1- Change the product with a new one
- 2- Measure the outlet adjustment pressure and fix it if erroneous
- 3- Make sure that you did not choose the wrong product regarding the flow rate and the outlet pressure
- 4- Measure the inlet pressure and make sure that it's not less than the minimum inlet pressure
- 5- Check to see if there's a thrust higher than the product's capacity
- 6- Examine if there's an external leak on the outlet line
- 7- Check whether or not there's an excessive diameter shrinkage on the outlet line
- 8- Stop the gas thrust on the outlet side, turn off the inlet valve and then turn it back on, reactivate the product and check the result
- 9- Remove the product off the line and try again after reassembling
- 10- Remove the product off the line, manually remove the filter on the inlet connection nozzle and clean it, manually place the new filter if necessary, remount the product on the line.
- 11- Take precautions for cleaning the line
- 12- Check whether or not the product has an automatic setup system
- 13- Loosen the protection cap number 3 if it exists, turn down the inlet valve a little, momentarily relieve the compressed pressure on the outlet side, and then reverse all procedures. Also, on ERG-SE series products, check whether or not the shut-off lever number 8 turns off. If it does, check to see that there isn't excessive narrowing on the line outlet. Then, when carrying out the setup procedure, pull and hold the shut-off lever number 8,
- 14- For the ERG-SE series products, check whether or not the shut-off lever number 8 is shut off. If it's shut off, re-setup the product and check the result. For the ERG-S series product, try setting up the device again.
- 15- Check to see if there's any congelation on the line or on the water that has the possibility of entering the product
- 16- Check if there is a loose connection or screw. If there are, tighten them according to the rules (do not carry out this procedure if there's a seal on the screws)
- 17- If there's a leak on the outlet connection nozzle, remove the product off the line. Manually remove the outlet gasket. If there aren't any problems visually, reattach the gasket and remount the product on the line.
- 18- If there's a leak on the release part, check to see that there isn't excessive diameter narrowing on the outlet line. If there isn't, stop the gas thrust on the outlet side. Turn off the inlet valve, turn it back on, reactivate the product and check the results

19- On ERG-SE series products, check if there's an indication of an impact or a tilt on the shut-off lever number 8. On ERG-S series products, check if the assembly position is correct, if there's a fluctuation of the inlet pressure, if there are any unwanted narrowings such as in the diameter, etc. in the area close to the outlet side.

20- Check to see that there isn't a narrowing on the outlet sense line

21- On ERG-SE series products, measure the shut-off adjustment pressure and correct it if there's an error. On ERG-S series products, detect the missing parts such as the lever plastic number 8, the pressure adjustment seals if they exist, release protection cap number 3 if it exists, release sieve number 5 if it exists, etc. and manually mount them

23- Detect the missing parts such as the shut-off lever number 9, lever plastic number 8, the pressure adjustment seals if they exist, release protection cap number 3 if it exists, release sieve number 5 if it exists, etc. and manually mount them

24- Check if the assembly position is correct, if there's a fluctuation of the inlet pressure, if there are any unwanted narrowings such as in the diameter, etc. in the area close to the outlet side.

25- Try setting up the product again.

26- If the shut-off lever number 8 is turned off; notify the relevant parties, make sure that there's no gas usage, and set up the product again according to the rules.

27- Check to see if there might have been an increase in pressure on the outlet flow due to the abrupt stopping of the boiler

10- DIMENSIONS, LINE CONNECTION DIRECTIONS AND INFORMATION ABOUT THE PARTS

The measurements are in millimeters. The connections below are modular and they can be changed by the manufacturer.

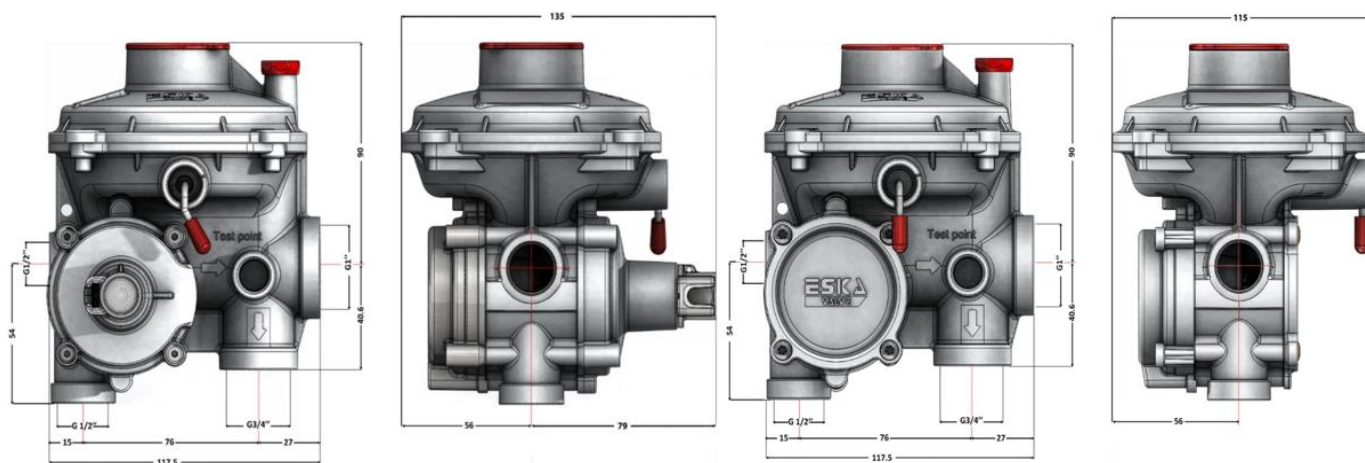


Figure 5

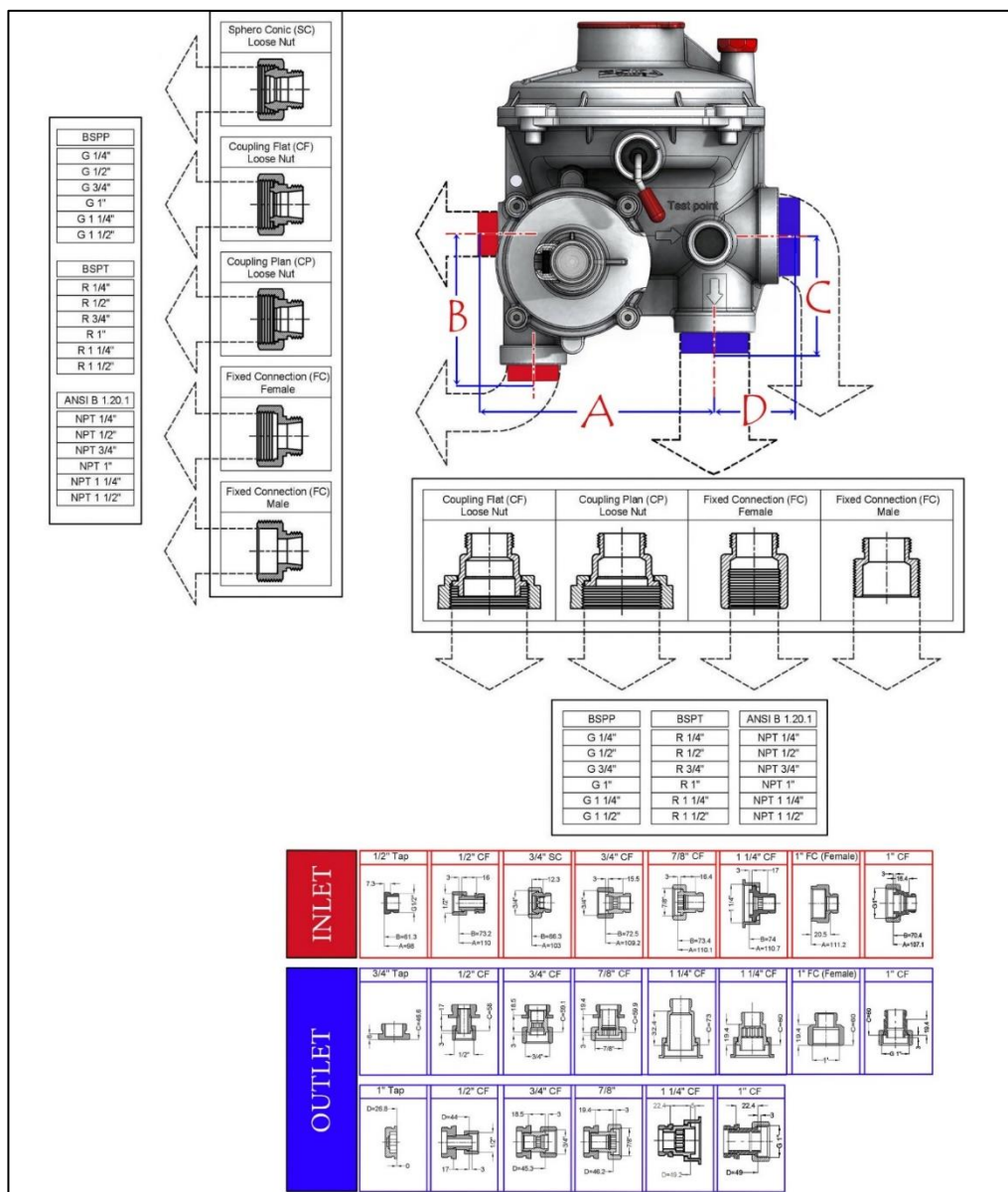


Figure 6

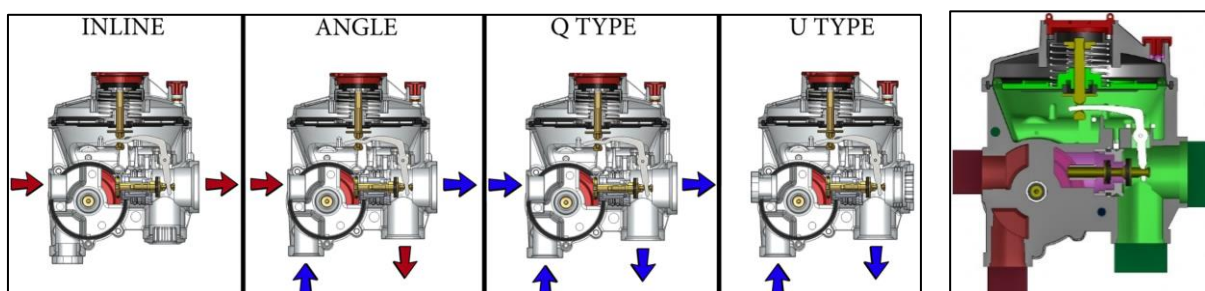
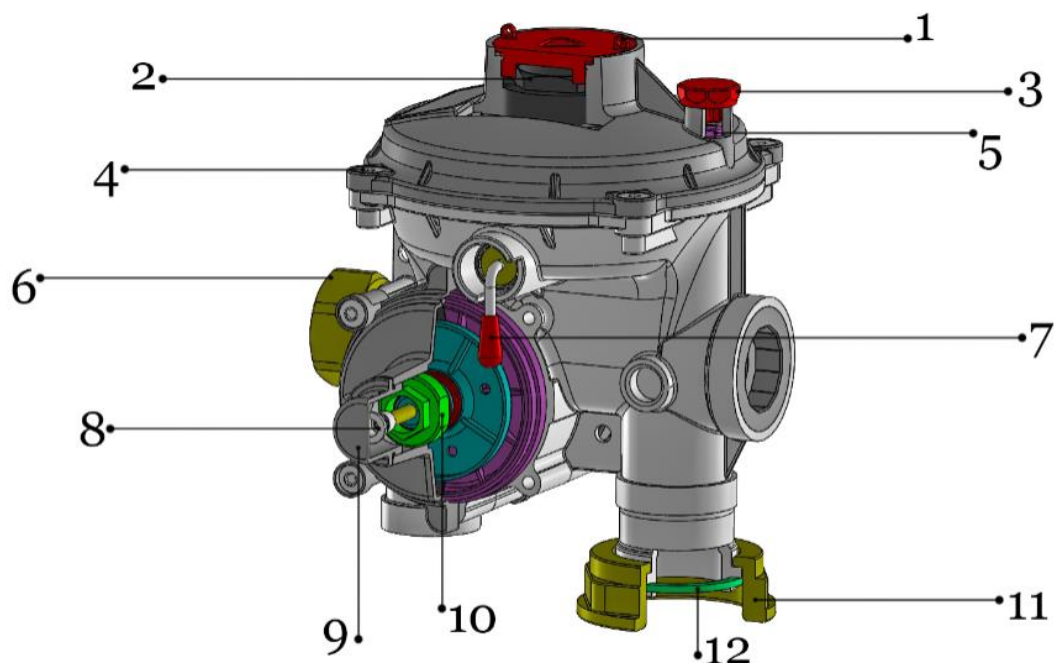
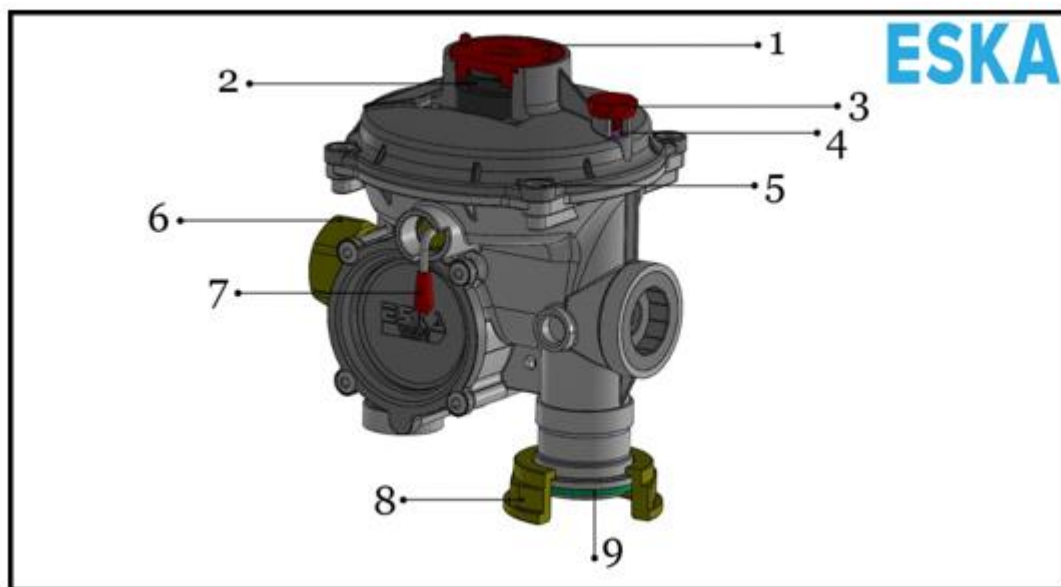


Figure 7



ERG-SE Series Products



ERG-S Series Products

Figure 8

1- Outlet pressure adjustment hatch

2- Outlet pressure adjustment ring

3- Release protection cap

No:5 on the ERG-S series products, No:4 on the ERG-SE series products - Upper hatch screws

No:4 on the ERG-S series products, No:5 on the ERG-SE series products - Release sieve

6- Inlet connection nozzle

7- Lever plastic and lever

No:8 on the ERG-S series products, No:11 on the ERG-SE series products - Outlet connection nozzle

No:9 on the ERG-S series products, No:12 on the ERG-SE series products - Outlet gasket

Besides, specific to the ERG-SE series products;

8- Shut-off lever


9- Shut-off protection cap

Rev.0 – 01.10.2023

10- Shut-off adjustment ring

11- LABEL INFORMATION

On all ERG-SE series products and on ERG-S series DN32, DN40 and DN50 products

ESKA	ESKA VALVE A.Ş. Sakarya – Turkey www.eskavalve.com	 0036 In compliance with 2014/68/EU PED	
	Gas Pressure Regulator		
Model Number – Serial		PS/PSD	
Fluid		Bpu	
DN		Pds	
Serial Number		Pdso	
Production Year		Qmin-Qmax	
TS		AC ±% / SG +%	

For DN15, DN20 and DN25 on ERG-S series products

ESKA	ESKA VALVE A.Ş. Sakarya – Turkey www.eskavalve.com	
Gas Pressure Regulator		
Model Number – Serial		PS/PSD
Fluid		Bpu
DN		Pds
Serial Number		Qmin-Qmax
Production Year		AC ±% / SG +%
TS		

12- STORAGE-PRESERVATION-LIFTING-HANDLING-SHIPMENT-LOADING-TRANSPORTATION

The following conditions must be taken into consideration for all products and spare parts:

In order to prevent the damages on the product that may occur during shipment and transportation, our company delivers the product to the customer by placing it in a single or double cardboard, box or package.

Carry out the loading-handling-lifting-storing procedures correctly. The product may not function properly due to the reasons such as throwing, excessive shaking, tipping over, falling down, crashing, exposure to overload and excessive force or impact, crushing, stacking with weight, as well as damaging, moistening or tipping over the external parts and projections, etc. Our company cannot be held responsible in such cases.

The product must not be exposed to direct sunlight.

Store it indoors, in an air-conditioned, dim, dry and clean environment.

Make sure that the product is protected from rain, water, snow, extreme heat or cold, etc. during shipment, transportation and storage.

There must not be any direct heat source in the storage area.

Make sure that the operation floor is flat and clean, and isn't wet and slippery.

Do not overload or elevate during shipment.

There must not be any residue, moisture or wetness on the product while repacking.

The product must be stored in areas that have been protected against forces such as falling, tipping over, shock, impact, vibration, etc. and that are protected from the conditions of corrosion or wearing out (sun, atmosphere, rain, snow, moisture, water, external chemicals, etc.), in a way that will not be affected by natural events such as earthquakes, floods, fire, etc. or adverse weather conditions as well as dirt, mud or contamination.

Do not remove the products from the original box or package unless they will be used. Do not replace the box or the package.

The period of storage is subtracted from the product lifecycle and the time of warranty.

Storage temperature must be between 5° C and 20° C .

The impact of the UV rays and ozone must be eliminated during transportation-shipment-storage (especially for the elastomeric parts).

Pay special attention to the external parts and projections.

Storage must be carried out without electrical stress.

If there's any surface treatment on the product (sandblasting, coating, dyeing, etc.), it must not be damaged during shipping.

Product	Number or Items	Box Dimensions (LxWxH cm)	Unit Weight	Package Size (LxWxH cm)	Number of Boxed Products in 1 Package	Package Weight	Total Package Weight	Pallet Total Items	Pallet Total Weight
ERG-SE	1	15x14,5x16	Approximately 1,15kg	33x58x35	16	0,65 kg	19,5 kg	480	Approximately 600 kg
ERG-S	1	15x14,5x16	Approximately 1,10kg	33x58x35	16	0,65 kg	18,2 kg	480	Approximately 580 kg

WARRANTY CERTIFICATE

The Manufacturing Company's;

Title: ESKA VALVE A.Ş.

Address: Sakarya 1. Organize Sanayi Bölgesi Mahallesi, 11. Cadde, No: 6-8, Arifiye/Sakarya/Turkey

Telephone : +90 (264) 502 54 34-35

Fax : +90 (264) 502 54 84

E-mail : info@eskavalve.com

Authorized Signature:

Company Stamp:

The Vendor's;

Title:

Address:

Telephone:

Fax:

E-mail:

Authorized Signature:

Company Stamp:

The Product's;

Type: Gas Pressure Regulator

Brand: ESKA / ESKA VALVE

Model-Series: ERG-SE or ERG-S

Warranty: 2 years

Maximum Time To Repair: 20 business days

Invoice Date and Number:

Date of Delivery to the Consumer:

Place of Delivery to the Consumer:

Banderole and Series Number:

TERMS OF WARRANTY

- 1) The warranty period starts with the delivery of the product and is 2 years.
- 2) The entire product, including all parts thereof, is covered by the warranty.
- 3) In such cases where the replacement of the defective goods by those free of defects would cause disproportionate challenges to the Seller, the Consumer shall be entitled to either rescission of the agreement or a discount over the sales price in proportion to such defects thereof. For determination of disproportionality, factors such as the value of the goods free of defects, the severity of the defect, and whether resorting to other rights of choice would constitute any problem for the Consumer are taken into consideration thereof. In cases where the Consumer chooses rescission of the agreement or a discount over the sales price in proportion to such defects, the Seller shall be obliged to refund the Consumer the sales price of the goods in full or the discount amount as applicable without delay. In case the Consumer chooses the replacement of the defective goods by those free of defects, then the Seller, the manufacturer, or the importer shall be obliged to fulfill such a request within thirty (30) business days from the date of notification for the replacement of such defective goods by those free of defects thereof.
- 4) In case the Consumer chooses the repair of the goods free of charge, among such other options, then the Seller shall be obliged to perform or cause to perform the repair of such defective goods without any claim for workmanship cost, cost of replaced parts, or any other cost or expense under any title whatsoever. The Consumer may also exercise its right of repair free of charge against the manufacturer or importer thereof. The Seller, the manufacturer, and the importer shall be jointly and severally liable for the Consumer to exercise such rights thereof.
- 5) In the case that the Consumer uses the right to receive free repair, if the product breaks down again within warranty period, - if the maximum time provided for repair is exceeded, - if the authorized service station, Seller, manufacturer or importer determines with a report that repair is not possible; the Consumer can request the refunding of the price paid for the product, or price discount at the rate of the defect, or, if possible, replacement of the good with a faultless equivalent. The Seller cannot reject such request of the Consumer. If this request is not fulfilled, the Seller, manufacturer and the importer are jointly and severally responsible.
- 6) The maximum period of repair of defective goods is 20 business days. Such period commences on the date of notification of the relevant defects in the goods to the service station or the Seller within its warranty period, or otherwise, upon delivery of the defective goods to the service station in case the warranty period of the goods has expired. In case of any defects in the goods within the warranty period, the repair period is added to the warranty period thereof. It is mandatory to determine whether such defects are attributable to misuse by the Consumer by a formal report to be issued by the service stations, or otherwise, in case such service stations are not available, by the Seller, the importer, or the manufacturer of the goods, respectively, as applicable within the maximum period of repair of the goods, and provide the Consumer with a copy of such report thereof. The warranty period of the replaced goods under warranty shall be limited to the remaining warranty period of the originally purchased goods thereof.
- 7) The defects caused by usage of the product against the provisions of the user's manual and failures caused by usage errors are not covered by warranty.
- 8) The Consumer shall be entitled to refer to the Consumer Arbitration Committee or the Consumer Court of the Consumer's residence or of the jurisdiction where consumer proceedings take place in case of any disputes arising out of or in relation to exercising the rights under such warranty thereof.



ESKA

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_006_R00
Manufacturer and Owner Of Certificate (Üretici ve Sertifika Sahibi Adı)	ESKA VALVE A.Ş.
Trade Mark (Ticari Marka)	ESKA VALVE / ESKA
Manufacturer Address 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-SE Series ERG-SE Serisi
Product Information (Ürün Bilgileri)	PS6, PSD0.6 , TS: -10;60°C , -20;60°C , (LT version -40;60°C) , Inlet DN15 Threaded Connection, Outlet DN20 or DN25 Threaded Connection (on request with nut modular connection) , AC 5/10/20, SG 10/20/30, AG 10/20 PS6, PSD0.6 , TS: -10;60°C , -20;60°C , (LT versiyon -40;60°C) , Giriş DN15 Dişli Bağlantı, Çıkış DN20 veya DN25 Dişli Bağlantı (istek üzerine somunlu modüler bağlantı) , AC 5/10/20, SG 10/20/30, AG 10/20
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 Westendstraße 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	Z-EU-TR-IST-17-05-2754858-25151322 / 01.05.2027 DGR-0036-QS-1244-20 / 24.04.2023
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. Böl. Mah.
11. Cad. No: 6/8 Arifiye-SAKARYA
Alifuat Cebesoy V.D. 380 110 2771
Mersis No: 0380-1102-7710-0001



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_007_R00
Manufacturer and Owner Of Certificate (Üretici ve Sertifika Sahibi Adı)	ESKA VALVE A.Ş.
Trade Mark (Ticari Marka)	ESKA VALVE / ESKA
Manufacturer Address 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 Without Safety Shutoff Valve Emniyet Kapatmasız Gaz Basınç Regülatörü
Product Model / Type / Serie (Ürün Modeli / Tipi / Seri)	ERG-S Series ERG-S Serisi
Product Information (Ürün Bilgileri)	PS6, PSD0.6 , TS: -10;60°C , -20;60°C , (LT version -40;60°C) , DN32-DN40-DN50 Threaded Connection With Nut , AC 5/10/20, SG 10/20/30 PS6, PSD0.6 , TS: -10;60°C , -20;60°C , (LT versiyon -40;60°C) , DN32-DN40-DN50 Somunlu Dişli Bağlantı , AC 5/10/20, SG 10/20/30
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 Westendstraße 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	Z-EU-TR-IST-17-05-2754858-25152246 / 01.05.2027 DGR-0036-QS-1244-20 / 24.04.2023
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



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_008_R00
Manufacturer and Owner Of Certificate (Üretici ve Sertifika Sahibi Adı)	ESKA VALVE A.Ş.
Trade Mark (Ticari Marka)	ESKA VALVE / ESKA
Manufacturer Address 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 Without Safety Shutoff Valve Emniyet Kapatmasız Gaz Basınç Regülatörü
Product Model / Type / Serie (Ürün Modeli / Tipi / Seri)	ERG-S Series ERG-S Serisi
Product Information (Ürün Bilgileri)	PS6, PSD0.6 , TS. -10;60°C , -20;60°C , (LT version -40;60°C) , DN15-DN20-DN25 Threaded Connection (on request with nut modular connection) , AC 5/10/20, SG 10/20/30 PS6, PSD0.6 , TS: -10;60°C , -20;60°C , (LT versiyon -40;60°C) , DN15-DN20-DN25 Dişli Bağlantı (istek üzerine somunlu modüler bağlantı) , AC 5/10/20, SG 10/20/30
Declaration Issue Date (Deklarasyon Yayın Tarihi)	01.11.2020
EU Conformity Assessment Method (AB Uygunluk Değerlendirme Yöntemi)	2014/68/EU PED Sound Engineering Practice (SEP)
Declaration (Deklarasyon)	<p>We declare that our products with a serial number as defined above meet the requirements 2014/68/EU PED - Pressure Equipment Directive Article 4 item 3 . These equipments designed and manufactured in accordance with the sound engineering practice (SEP) of a Member State in order to ensure safe use. However, These equipments should not bear the CE mark in accordance with Article 4 item 3. This declaration of conformity has been published under the responsibility of Eska Valve A.Ş.</p> <p>Yukarı da tanımlanan üzerinde seri no olan ürünlerimizin, 2014/68/AB - Basınçlı Ekipmanlar Direktifi Madde 7 (3) uyarınca güvenli kullanımı sağlamak için geçerli genel kabul görmüş mühendislik uygulamasına (SEP) uygun olarak tasarlanmış ve imal edilmiştir. Bununla birlikte 2014/68/AB - Basınçlı Ekipmanlar Direktifi Madde 7 (3) gereği bu ekipmanlara CE işareti taşımaması gerektiğini beyan ederiz. Bu uygunluk beyanı Eska Valve A.Ş.'nin sorumluluğu altında yayınlanmıştır.</p>
Note (Not)	<p>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 for the compliance of the complete system with Directives. By altering the device without approval the declaration would invalidate.</p> <p>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.</p>

Manufacturers Authorized Signature (Üretici İmza Yetkilisi)

Erhan SARDAL
General Manager (Genel Müdür)
Sakarya/Türkiye, 01.11.2020


ESKA
VALVE ANONİM ŞİRKETİ
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