



# Pressure Regulating Valve MODEL 6610 Instruction Manual

Thank you for your selection of “KOFLOC Pressure Regulating Valve”.  
Prior to use, read this manual thoroughly to ensure your new valve will operate to its fullest capacity.



## Caution

This product is designed for regulating the pressure and its application is limited to:

Maximum working pressure : 0.8MPa(G)

Environmental temperature : 5 – 60°C

The use of toxic gases or the use of the product at a temperature or pressure above the maximum limit could result in personal injury.

Such a way of use is strictly prohibited.

## Foreword

Thank you for your selection of Model 6610.

Prior to using your pressure regulating valve, please read this manual thoroughly to ensure the valve will operate to its maximum performance.

- The contents of the manual are subject to change without prior notice.
- The manual has been carefully created and checked before shipment. If you notice any deficiencies, errors or omissions, however, please inform us.
- The warranty period of the pressure regulating valve is one year from the date of shipment from our plant.
- Any failures which may occur during this period and are attributable to our workmanship will be corrected free of charge.
- KOFLOC shall bear no responsibility whatsoever for breakage or troubles of equipment resulting from neglect of the precautions presented in this manual or use of the pressure regulating valve in manners not described herein.

## 1. Features

This pressure regulating valve Model 6610 features high performance at a low pressure setting from 0.01MPa to 0.15MPa. The areas in contact with gas are of non-grease type and the valve employs a structure with lock nut and non-bleed type.

## 2. Installation and Piping

- ① For mounting the valve on a panel, first remove the knob and lock nut and then remove the mounting nut. Then insert the valve from the back of the panel through the mounting hole( $\phi$  21) and secure it with the nut from the front side of the panel.
- ② When connecting piping to the valve, use caution. Pieces of sealing material or chips if they enter the valve during installation become a cause of malfunction or failure. The sealing material used for piping must not cover the first thread of the screw.
- ③ The side on which the “IN” label is attached is the inlet and the side on which the “OUT” label is attached is the outlet. If the valve is installed in a wrong way, it will not work properly.

## 3. Pressure Regulating Method

- ① From low pressure to high pressure: Turn the adjust knob of the pressure regulating valve clockwise while monitoring the secondary side pressure gauge.
- ② From high pressure to lower pressure: This is of non-bleed type. Turn the adjust knob counterclockwise to release gas on the secondary side to the line via a stop valve, etc. and lower the secondary side pressure to below the desired pressure and finally turn the adjust knob clockwise to set the required pressure.

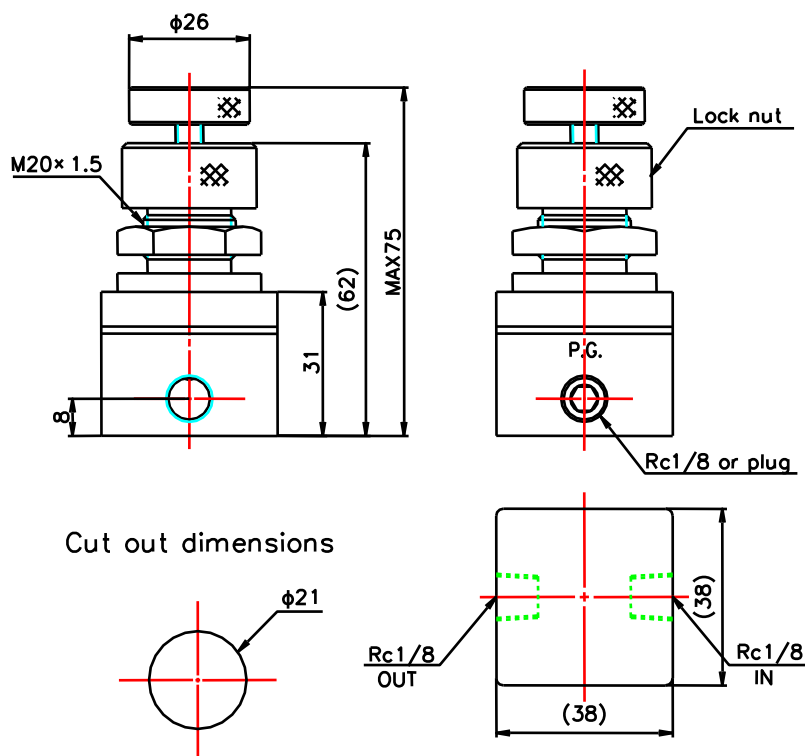
## 4. Other Precautions

- ① Use the pressure regulating valve within the range of the specification.
- ② Prior to introducing gas, turn the adjust knob of the valve counterclockwise fully. Then introduce gas.
- ③ This Model 6610 does not guarantee zero stop. Where zero stop is required, use a stop valve.

【Specifications】

Fluid	Various gases
Primary side maximum pressure	0.4MPa(G)
Secondary side regulating pressure	0.01MPa to 0.15MPa(G)
Maximum flow rate	5L/min
Minimum. operating pressure difference	0.1MPa or over
Materials of areas in contact with gas	SUS316,SUS304,FKM,PTFE,PCTFE,SUS303, Hard glass
Pressure resistance	0.8MPa(G)
Reproducibility	Within $\pm 1\%$ of rated pressure
Environmental temperature	5-60°C
Connecting port	Rc1/8

【Dimensions (mm)】



## ●Product Warranty Policy

Thank you for your continued support of KOFLOC products.

Unless specified otherwise in quotations, contracts or specifications when you place orders for KOFLOC products, the following warranty policy will apply.

Warranty Policy:

① Warranty period

The warranty period is one (1) year from shipment, provided that the product is used within the KOFLOC specification.

② Scope of warranty

If the KOFLOC product fails during the warranty period due to a cause attributable to KOFLOC, KOFLOC shall, at its option and expense, provide a replacement product or repair the failed product at the KOFLOC factory. This warranty, however, shall not cover damages due to a cause not attributable to KOFLOC; opportunity loss, lost profit, secondary disaster, accident compensation suffered by the customer and damage to other equipment and any other damages due to a failure of the KOFLOC product.

③ Non-warranty

The warranty shall not apply to the following failures and damages even if they occur during the warranty period:

- a) Failure due to misuse or improper repair or modification. (Failures resulting from use under conditions different from the manufacturing specifications are included.)
- b) Damage and failure due to dropping of the product after purchase.
- c) Failure due to fire, earthquake, flood, lightning or other natural disaster; or riot, war or the like.
- d) Failure due to intrusion of foreign matter from piping.
- e) Failure caused by a specific problem due to combination with other incorporated equipment.
- f) Other failures and damages which are considered not attributable to KOFLOC.

Please be aware that the warranty shall not cover opportunity loss suffered by you or your customer or damage to other equipment or any other damages due to a failure of the KOFLOC product.

**KOFLOC Corp.** URL : <http://www.kofloc.co.jp>