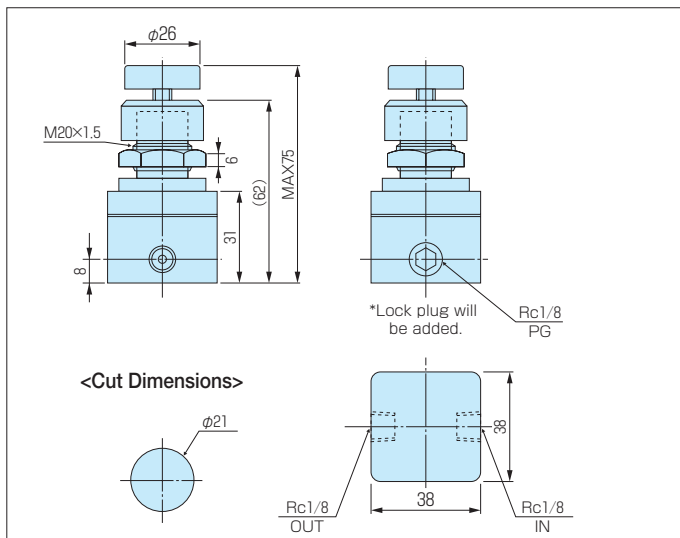# MODEL 6610

This valve has been developed for better repeatability and quick, reliable pressure regulation by increasing the accuracy of the low-pressure side compared with the Model 6600.
It is ideal for high-sensitivity analyzers and semiconductor manufacturing equipment, as well as for research and development.

☐ **High-precision regulation on the low-pressure side**
High regulation performance with repeatability of ±1% or less when the pressure on the primary side and load resistance on the secondary side change under the set pressure condition of 0.01–0.15 MPa.

☐ **Non-grease specification**
The sections in contact with gas are made of stainless steel, Viton, and Teflon without using grease. This valve is ideal for the semiconductor industry which requires ultra-clean conditions.

☐ **Lock nut**
The regulating position, once it has been set, can be fixed by a lock nut to prevent the setting from changing.

☐ **Non-bleed type**
This non-bleed type valve prevents gas from leaking to the outside.

■ Applications

☐ Gas chromatography
☐ High-purity gas control
☐ Low-pressure controllers
☐ Semiconductor industry

■ Dimensions

φ26
M20×1.5
6
(92)
MAX75
31
8
*Lock plug will be added.
Rc1/8 PG

\<Cut Dimensions\>

φ21

38
38
Rc1/8 OUT
Rc1/8 IN

■ Ordering

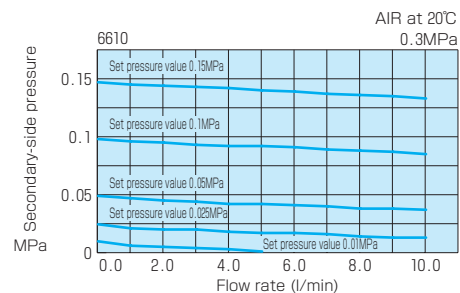**6610 (Standard specifications only)**

* Refer to "Ordering" when placing an order or requesting a quotation. Fill in the blanks in the "Order/Quotation Request Card" at the end of the catalog, and send the card by fax.

■ Standard Specifications

Fluids	Various gases
Maximum primary pressure	0.4MPa
Secondary control pressure	0.01-0.15MPa
Maximum flow	5L/MIN
Minimum operating differential pressure	0.1 MPa or more
Proof pressure	0.8MPa
Repeatability	Within ±1% of the pressure rating
Heat resistance	5°C-60°C
Connection end	Rc1/8
Materials of parts in contact with fluids	SUS316, FKM, fluorocarbon resin, SUS304, SUS303

■ Flow Characteristics

AIR at 20℃
0.3MPa
6610
Secondary-side pressure
0.15 Set pressure value 0.15MPa
0.1   Set pressure value 0.1MPa
0.05 Set pressure value 0.05MPa
      Set pressure value 0.025MPa
0   Set pressure value 0.01MPa
MPa
0.0 2.0 4.0 6.0 8.0 10.0
Flow rate (l/min)

■ Special Specifications

☐ Joint other than standard joint.

■ Purchasing

☐ Only the IN and OUT joints can be specified. A lock plug is used for the gauge port.
☐ The pressure gauge port is equivalent to the OUT port. Either one can be used as a gauge port or OUT port.