

Pressure Regulating Valve (Precision Regulator for Analytical Equipment)

MODEL 6600 SERIES

This is a compact, lightweight precision pressure regulator with superior repeatability to provide reliable and speedy regulations. Since all the components are perfectly cleaned before assembly, this model is ideal for high-sensitivity instruments for analysis required for R&D activities.

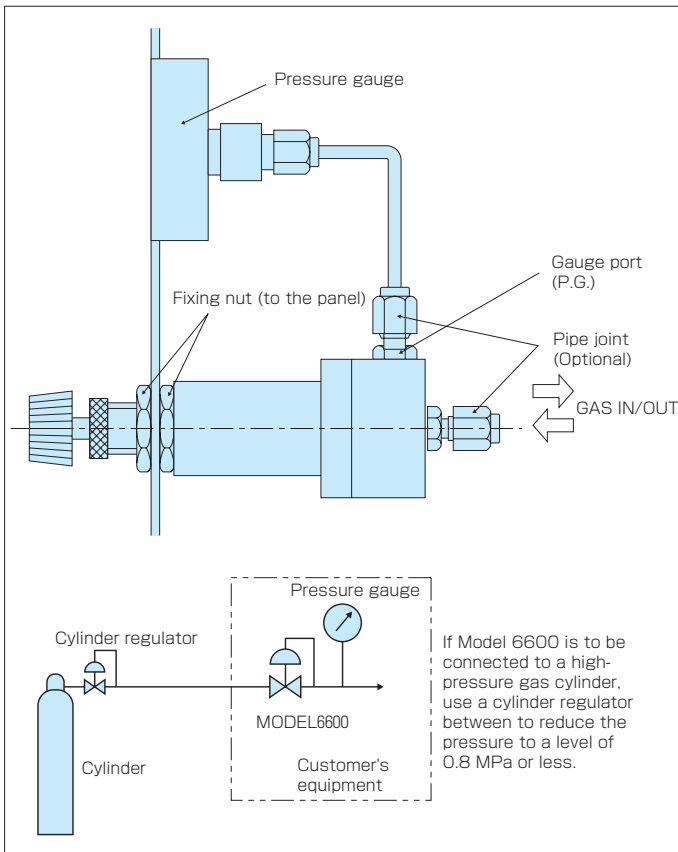
- High-precision control characteristic**
High control performance with repeatability within a range of $\pm 1\%$ against fluctuations in pressure on the primary side and load resistance variations on the secondary side
- Perfect for panel mounting**
Flow inlet and outlet are located on the back of the product to facilitate easy pipe connection. Additionally, it is compact in size and light in weight, ideal for panel instrumentation systems.
- Bleed-free**
All units are subjected to a rigorous leak test before shipping though the product is bleed-free.



Applications

- Gas chromatographs
- Scientific instruments
- Gas mixing systems in various fields

Example of Use with Model 6600



Standard Specifications

Model	6600A	6600B	6600AL	6600BL
Maximum primary pressure	0.8MPa			
Secondary control pressure	0.01-0.3MPa	0.03-0.6MPa	0.01-0.3MPa	0.03-0.6MPa
Minimum operating differential pressure	0.05MPa			
Proof pressure	0.8MPa			
Repeatability	Within $\pm 1\%$ of the pressure rating			
Temperature characteristics	Within $\pm 1\%$ of the pressure rating per 10°C			
Heat resistance	5°C-60°C			
Flow rating	See the graph.			
Connection end	Rc 1/4 (standard), Rc 1/8			
Materials of parts in contact with fluids	(A) Al, brass, NBR, POM, SUS316 (SS) SUS316, FKM, fluorocarbon resin			

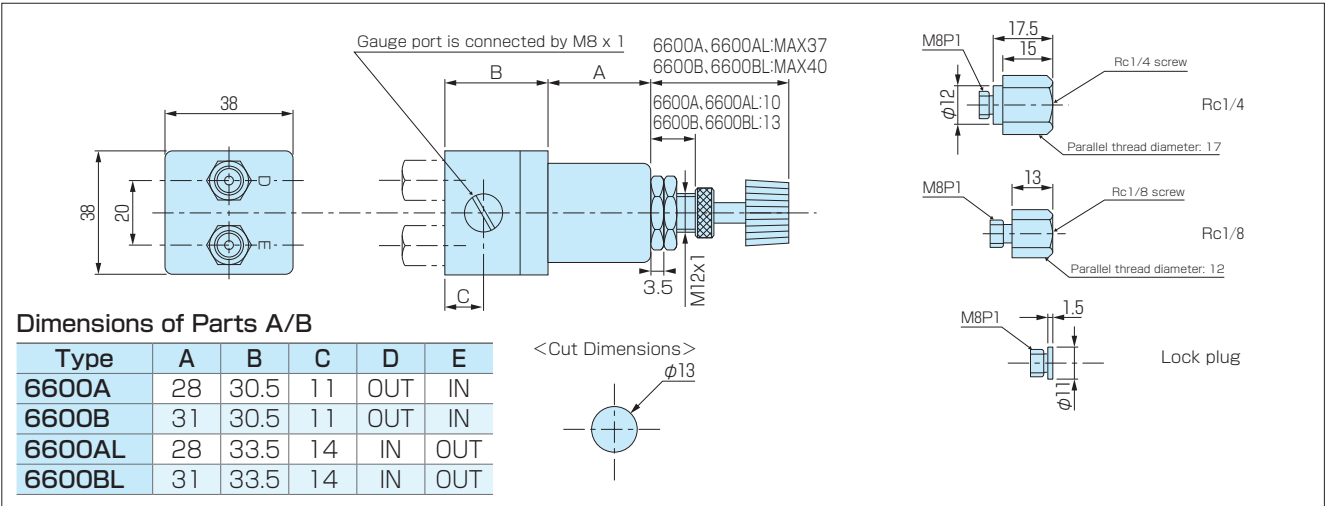
Optional Items

- Set pressure lock nut
- Joints other than the standard ones
- Press fitting of the OUT side filter

Notes:

- IN/OUT joints only are optionally available. Lock plug is used for the gauge port.
- Press fitting of the OUT side filter is actually custom-made. Contact us for consultation.
- Pressure gauge port and OUT port are identical. Either will do for pressure gauge port or OUT port.

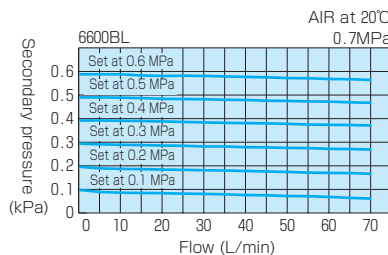
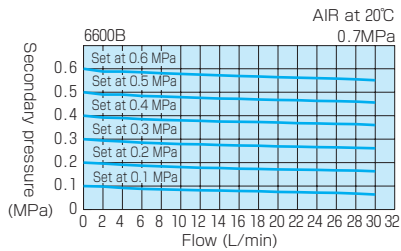
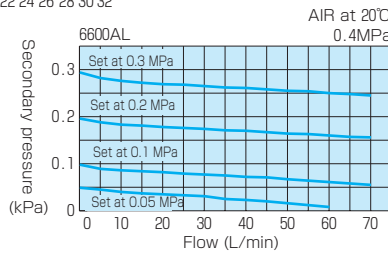
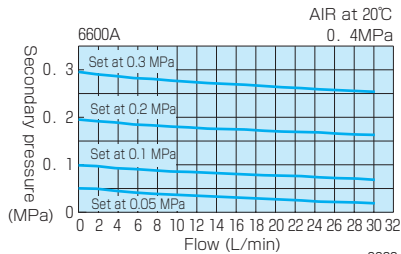
Dimensions



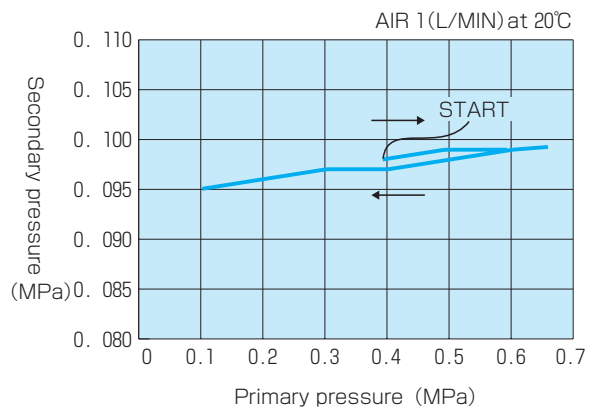
Lineup

Model No.	Pressure setting	Max. flow
6600A	0.01-0.3MPa	10L/MIN
6600B	0.03-0.6MPa	10L/MIN
6600AL	0.01-0.3MPa	20L/MIN
6600BL	0.03-0.6MPa	20L/MIN

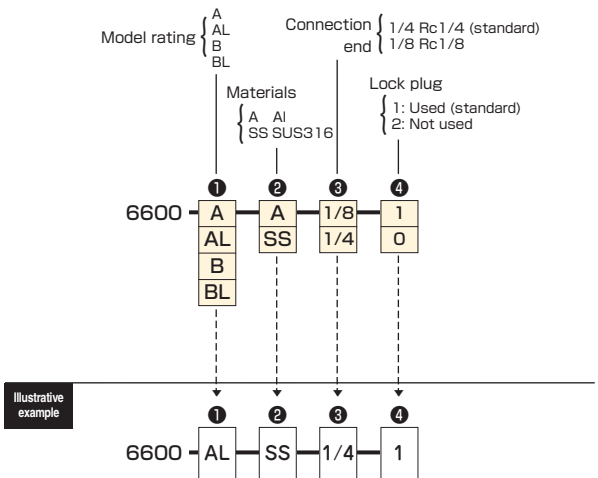
(Note) The maximum flow may deviate within the range of 80-130%.



Pressure Characteristic Curve



Ordering



* Refer to "Ordering" and "Illustrative example" 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.