Variable Secondary Pressure Flow Controller
MODEL 2203 SERIES

A flow controller is a differential pressure regulator designed to control minute gas flow with precision and keep a certain constant flow rate. Model 2203 Variable Secondary Pressure Flow Controller is a control valve that keeps mass flows at a constant rate under a given constant level of supply pressure even when the load pressure on the secondary side (outlet side) fluctuates,and its construction is designed so that the performance of its precision control over flows to the set flow rate is maintained by the incorporated precision needle valve without being affected by such fluctuations.

Features

♦Stable flow control

A non-rotary needle valve composed of high-precision components ensures smooth control of minute flows.

♦Not subject to load pressure fluctuations

The incorporated precision needle valve protects flows from being affected by secondary or outlet pressure fluctuations,so the product is a 'must-be' tool in the first stage of any flow control line.

♦Cleanliness ensured

All the components are super-cleaned before assembly so that the product can be safely used even on instruments for analysis for which cleanliness is essential.

Applications

♦Gas chromatographs

♦Environmental instrumentation systems

♦Gas mixing systems in various fields

Standard Specifications

Flow rating	10ml/min to 20l/min
Control accuracy	Within ±1.0% of the set value to load pressure fluctuations(on condition of 0.05 Mpa or more of inlet /outlet differential pressure)
Needle valve rotating speed for adjustment	Approx. 12-13 turns
Max. operating pressure	(A)0.8MPa

	(SS)0.95MPa
Max. working temperature	(A)70℃ (SS)120℃
Materials of parts exposed to fluids	A:Al,Brass,Duracon,NBR SS:SUS316,Teflon,Viton
Connection end	M8+Rc1/8

Optional Items

♦IN side filter joint Model 2300B

♦Connection joint

Notes

♦For information on available types of connection ends and filter joints other than those standard,please contact us.
♦You may specify the supply pressure,fluid and flow rate of your equipment for our selection of the type that most suits your requirements.
♦Use the values on Table of Rated Flow Ranges for reference purposes only.