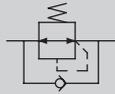Compact regulator

RB500 Series

Compact, space saving structure and reverse flow function integrated.
● Port size:Push-in fitting ø4, ø6

JIS symbol

Pneumatic, Vacuum and Auxiliary Components
Catalog No. CB-024SA

RoHS   CAD

Specifications

Item		RB500
Working fluid		Compressed air
Max. working pressure MPa		1.0
Proof pressure MPa		1.5
Ambient/fluid temperatures °C		5 to 60
Set pressure MPa		0.05 to 0.7 (*1)
Pressure relief		Non-relief
Port size	IN/OUT	Push-in fitting: ø4/ø6
	GAUGE	Rc1/8
Weight g		68

*1: Low pressure specifications are 0.05 to 0.35.

Flow characteristics

● RB500-SSC4

Primary pressure 0.7 MPa

Secondary pressure (MPa)
Air flow rate (m³/min ANR)

● RB500-SSC6

Primary pressure 0.7 MPa

Secondary pressure (MPa)
Air flow rate (m³/min ANR)
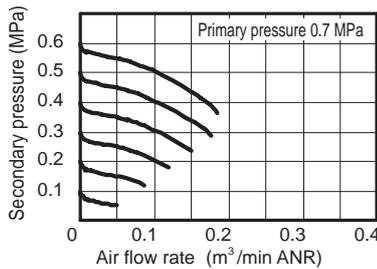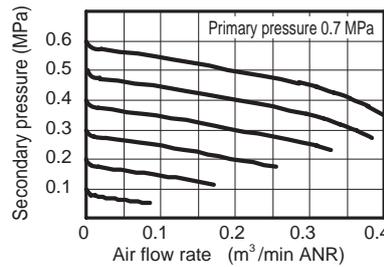
Pressure characteristics

Secondary pressure (MPa)
Set point
Primary pressure (MPa)
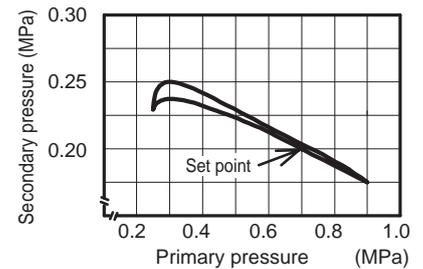
Compatibility table by variation

	RB500
Port size	Push-in fitting ø4/ø6
P4	●
P40	▲

●: Applicable models ○: Semi-applicable models ▲: Contact CKD for details. ▢: Not applicable

*1: Pressure gauge/pressure sensor must be ordered separately.
   (Pressure gauge option is "T" only)
*2: Non-relief only is available.
*3: Only straight direction is available for fittings.
*4: For pressure adjustment springs without gas contact and pressure adjustment screw units in P40, zinc plating is used.

How to order

RB500 - SSC4 - NT P4/P40

Model No.
Ⓐ Connection
Ⓑ Option

Code		Description
Ⓐ Connection		
Direction IN	S	Straight
Direction OUT	S	Straight
Bore size	C4	ø4
	C6	ø6

Ⓑ Option		
Panel mount	Blank	Without nut
*1	P	With nut
Pressure range	Blank	0.05 to 0.7 MPa
	L	0.05 to 0.35 MPa
Pressure relief	N	Non-relief
Pressure gauge	T	No pressure gauge (gauge port Rc1/8)

⚠ Precautions for model No. selection

*1: Indicate option code "P" for panel mounting.

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Clean air components
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Fitting
Auxiliary valve
Silencer
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Pneumatic auxiliary components
Gas generator
Fluid control components
Motor specification
Motorless specifications
Electric actuator