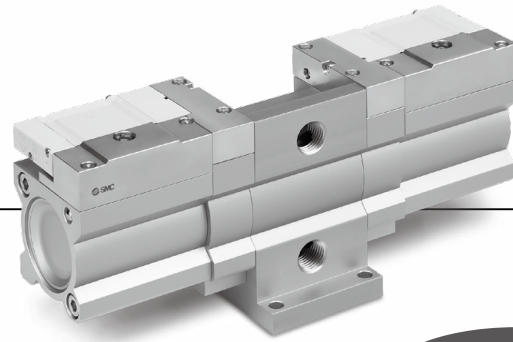


# Booster Regulator



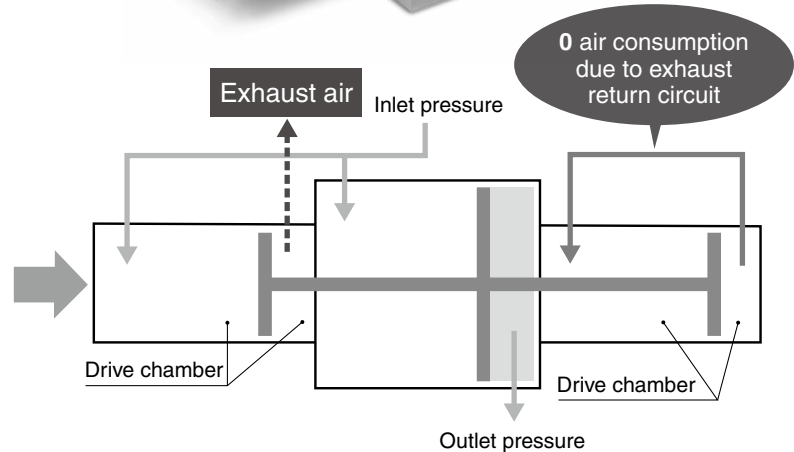
RoHS

Size: 10A

**Air consumption  
40% reduction<sup>\*1</sup>**

- 3 piston construction
- The drive chamber on one side can be operated by the exhaust return circuit.

<sup>\*1</sup> Based on SMC's measuring conditions



**Operation noise: 65 dB(A)<sup>\*1</sup>**

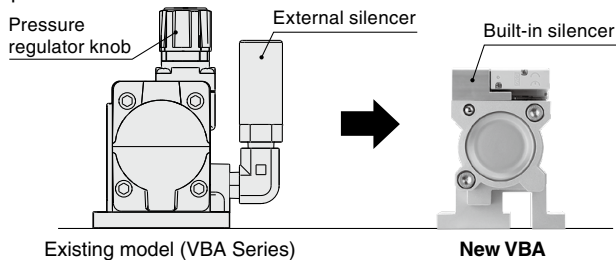
<sup>\*1</sup> Based on SMC's measuring conditions

**15 dB (A) reduction compared with the existing model (VBA series)**

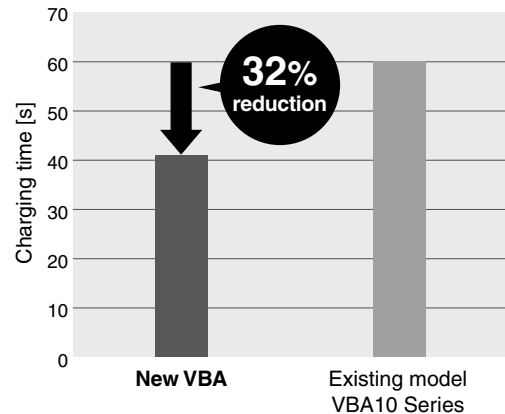
- Exhaust noise: Reduced noise due to exhaust of reused low-pressure air
- Metal noise: Reduced noise due to the adoption of a construction in which the internal switching part doesn't come into contact with any metal parts

**Simple, compact shape**

- Built-in silencer
- No longer any need for a pressure regulator knob due to the fixed pressure increase ratio



**Charging time: 32% shorter**



\* Inlet pressure: 0.4 MPa, Air tank: 10 L

**Mounting compatibility with the existing model (VBA series)**

- Can be mounted on an air tank (VBAT series)  
(The air tank must be ordered separately.)



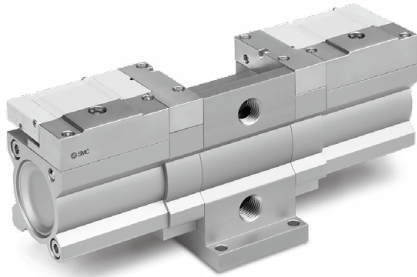
**Can be mounted vertically**



**VBA-X3145**

# VBA-X3145

## Specifications

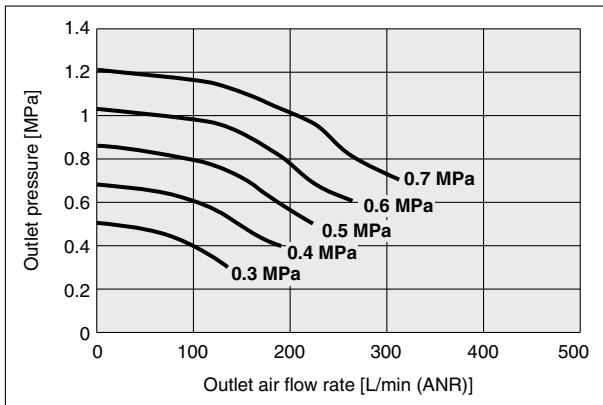


Model	VBA-X3145	
Fluid	Compressed air	
Pressure increase ratio	1.7 times (Fixed)	
Pressure adjustment mechanism	None	
Max. flow rate*1	L/min (ANR)	230
Outlet pressure range	MPa	0.3 to 1.2
Inlet pressure range	MPa	0.2 to 0.7
Proof pressure	MPa	1.8
Port size (IN, OUT)	Rc1/4	
Tank connection port (with plug)	Rc1/4	
Ambient and fluid temperatures	°C	
Installation	Horizontal, Vertical	
Lubrication	Grease (Non-lube)	
Weight	kg	1.2

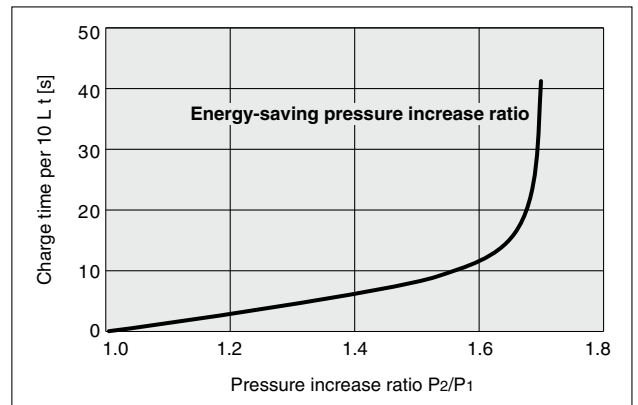
\*1 Flow rate at IN = OUT = 0.5 MPa.

## Flow Rate Characteristics/Charge Characteristics

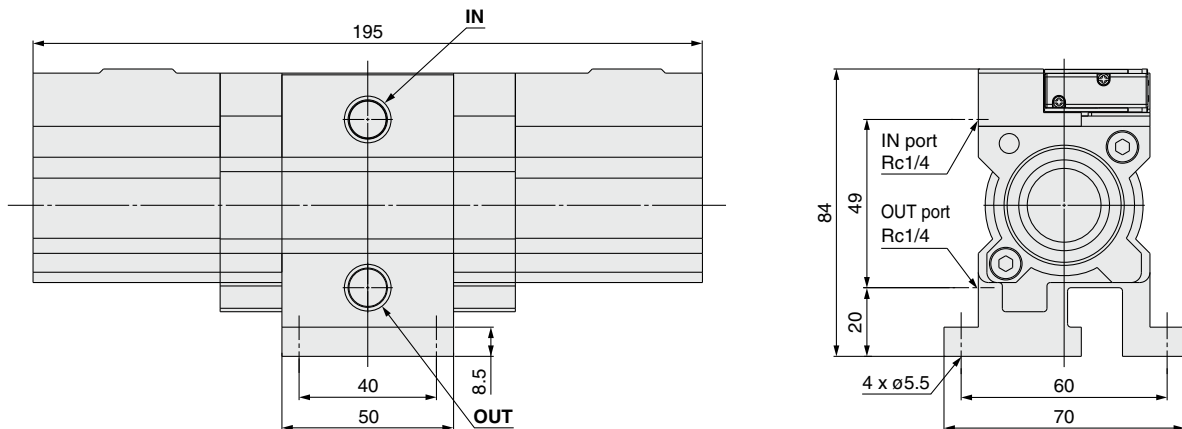
### Flow rate characteristics



### Charge characteristics



## Dimensions



**⚠ Safety Instructions** Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and "Operation Manual" before use.

## SMC Corporation

Akihabara UDX 15F,  
4-14-1, Sotokanda, Chiyoda-ku, Tokyo 101-0021, JAPAN  
Phone: 03-5207-8249 Fax: 03-5298-5362  
<https://www.smcworld.com>  
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Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.