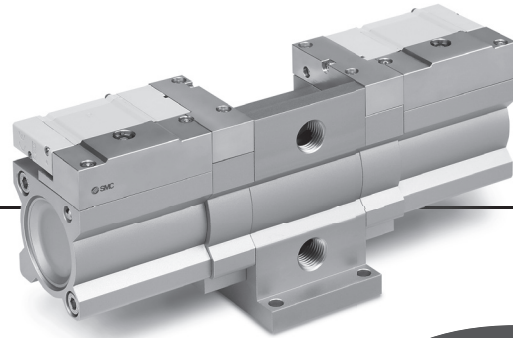


# Booster Regulator

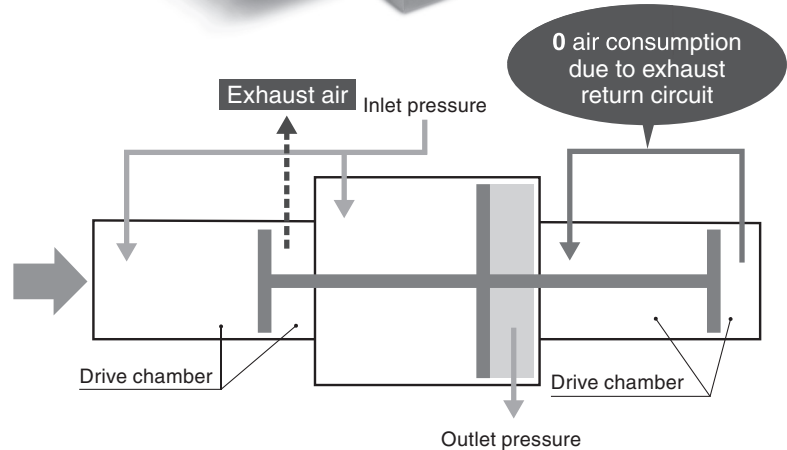


Size: 10A

**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>**

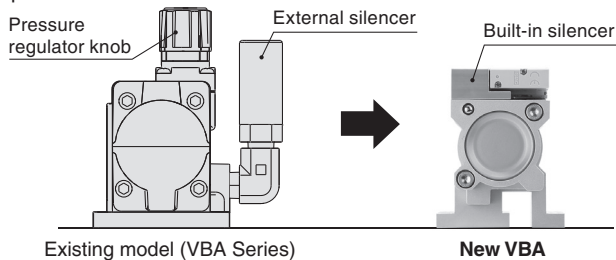
<sup>\*1</sup> Based on SMC's measuring conditions

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

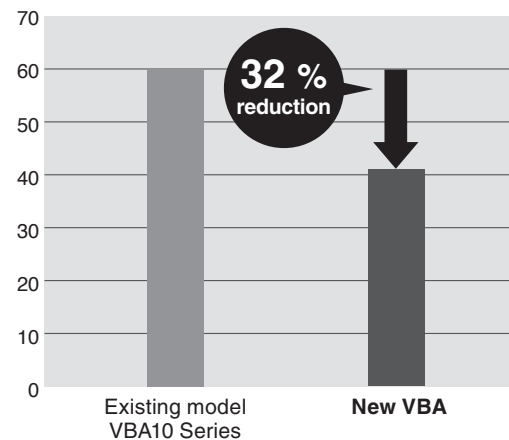
- Exhaust noise: Reduced noise due to exhaust of reused low-pressure air
- Metal noise: Reduced noise due to the adoption of a construction in which the internal switching part doesn't come into contact with any metal parts

**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**



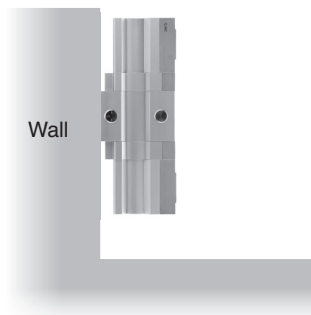
<sup>\*</sup> Inlet pressure: 0.4 MPa, Air tank: 10 L

**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**



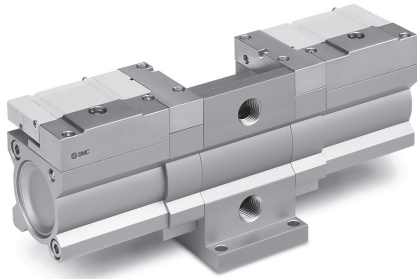
**VBA-X3145**



19-EU712-UK

# VBA-X3145

## Specifications

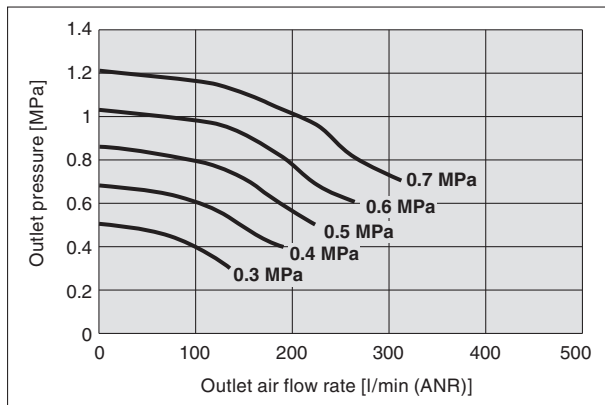


| Model                            | VBA-X3145            |                       |
|----------------------------------|----------------------|-----------------------|
| Fluid                            | Compressed air       |                       |
| Pressure increase ratio          | 1.7 times (Fixed)    |                       |
| 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                   | 2 to 50 (No freezing) |
| Installation                     | Horizontal, Vertical |                       |
| Lubrication                      | Grease (Non-lube)    |                       |
| Weight                           | kg                   | 1.2                   |

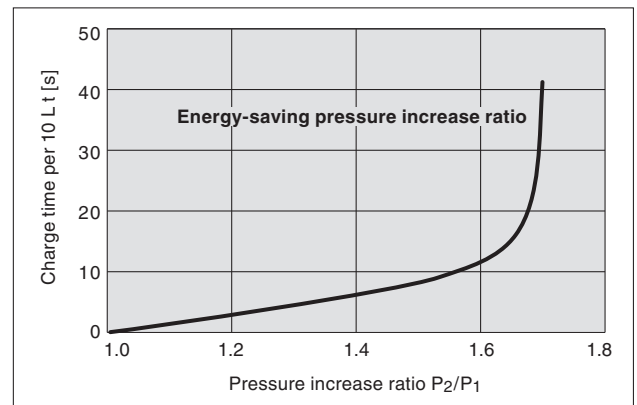
\*1 Flow rate at IN = OUT = 0.5 MPa.

## Flow Rate Characteristics/Charge Characteristics

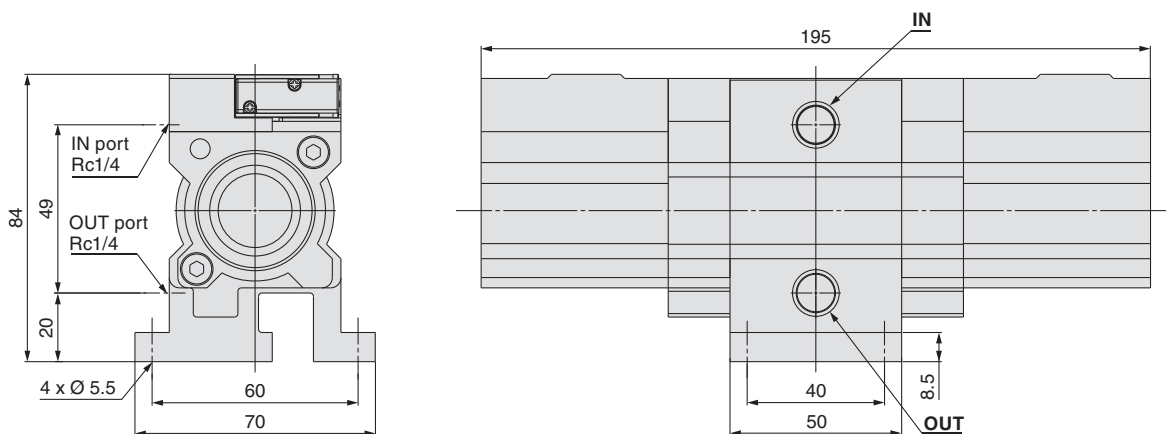
### Flow rate characteristics



### Charge characteristics



## Dimensions



## SMC Corporation (Europe)

SMC Corporation  
 Akihabara UDX 15F, 4-14-1, Sotokanda, Chiyoda-ku, Tokyo 101-0021, JAPAN  
 Phone: 03-5207-8249 Fax: 03-5298-5362  
 SMC CORPORATION All Rights Reserved

Printing XV 00 Printed in Spain

## European Marketing Centre (EMC)

Zuazobidea 14, 01015 Vitoria  
 Tel: +34 945-184 100 Fax: +34 945-184 124  
 URL <http://www.smc.eu>

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer