



## SMALLER SIZE BETTER QUALITY

We scaled down our air operated valve  
with the change in the condition of the  
semiconductor production process.

Compact Air Operated Valve  
For Use With Liquid Chemicals.

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**SAV** Series

**ADVANCE**

# An ideal Response to Changes in Semiconductor Production Process Environments, Realizing Downsizing of Air Operated Valve.

Compact Air Operated Valve For Use With Liquid Chemicals.

## SAV Series

The SAV Series is a compact air operated valve for use with liquid chemicals. In response to changes in semiconductor production process environments, it has been developed for the purpose of improving basic functions while achieving a lighter, more compact unit. It realizes thoroughgoing downsizing compared to the conventional AV Series.

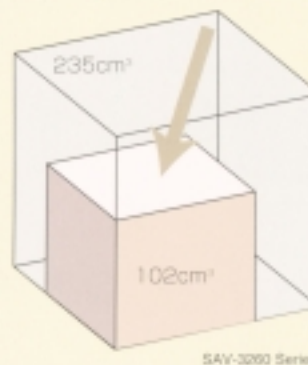
**50%**  
reduction in  
floor space

The SAV-3260 Series achieves a 50% reduction in floor space compared to the former product (AV-5260).



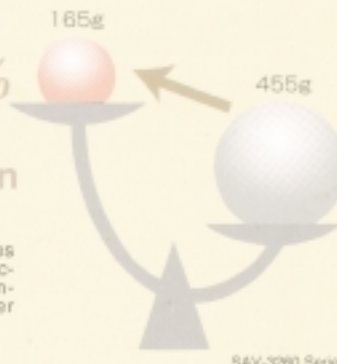
**57%**  
reduction in  
volume

The SAV-3260 Series achieves a 57% reduction in volume compared to the former product (AV-5260).



**60%**  
reduction in  
weight

The SAV-3260 Series achieves a 60% reduction in weight compared to the former product (AV-5260).



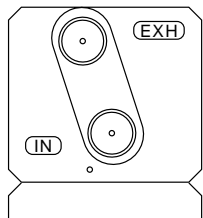
Compact Air Operated Valve

# SAV-3260 Series, 4270 Series PAT.

1

## Operational Air Ports

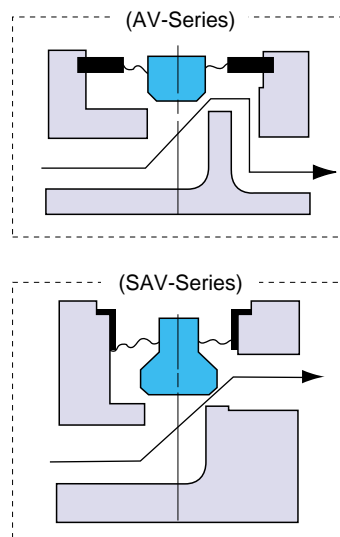
The IN port and EXH port are on a slant for greater space between ports and easier operation. Single operations also mean reduced operational costs.



2

## Duct Structure

Step method for an extremely smooth flow of fluid.



3

## Connection

Integral joint structure as standard equipment. Effective in preventing liquid residues in connecting sections, thus preventing leakage to the outside.

4

## Body

Integral precision processing with P-TFE, the purest type of fluorocarbon resin.

5

## Flow volume adjustment mechanism(optional)

Achieves manual control of flow volume.

6

## Case

Thick design for ideal strength. Use of PP for ideal environmental conditions.

7

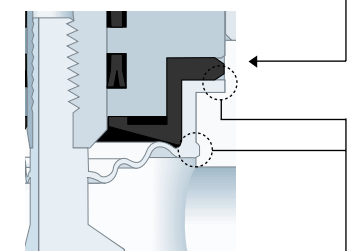
## Minimum rubbing resistance.

MY packing for extremely smooth piston movement.

8

## Sealed Construction

Diaphragm cushion (no liquid-contact) for greater attention to heat cycle.



Employment of construction with strong resistance to external leaking (double seal construction).

9

## Diaphragm

Integral Precision Processing of P-TFE. Processing technology to realize downsizing. 30% reduction in area under pressure compared to former models. This makes it possible to reduce actuator force (position operational force) and contribute to downsizing. Outstanding configuration for repeated flexing operations (Flex life). Adoption of P-TFE materials offering outstanding repeated flexing movements.

10

## More manifold types.

A full lineup ranging from the double type to the quintuple type for even greater space-saving.

**A totally rational design extending to details. A major improvement in basic functions.**

# Variations Can Be Chosen To Fit The Equipment.



### Composition of Products

A black circle indicates products on stock

Nominal diameter	SAV Series Slow leak adjustment included Type			SAV Series Slow leak adjustment included Manifold Type				Suck-Bug Slow leak adjustment included Type
	No additions	Z: Flow volume adjustment included	W: Water-saving device included	Double(Z: Flow volume adjustment included)	Triple(Z: Flow volume adjustment included)	Quadruple(Z: Flow volume adjustment included)	Quintuple(Z: Flow volume adjustment included)	
1/4"								
6 × 4								
3/8"								
10 × 8								
1/2"								
12 × 10								
3/4"								
19 × 16								
1"								
25 × 22								

Nominal diameter	SAV Series High-Temperature Type	SAV Series High Temperature Manifold Type		Nominal diameter	SAM Series Manual Type		SAT Series Toggle Type
		Double(3-Way)	Triple		Room temperature	High temperature	Room temperature
1/4"				1/4"			
6 × 4				6 × 4			
3/8"				3/8"			
10 × 8				10 × 8			
1/2"				1/2"			
12 × 10				12 × 10			
3/4"				3/4"			
19 × 16				19 × 16			
1"				1"			
25 × 22				25 × 22			

The fittings for all types correspond to the tube type, Flowell 20-Series Type, Pillar Super Type and Kurabo Finallock Type.



[illegible]

Fluid pressure	IN side	0.3MPa
	OUT side	0.1MPa
Fluid temperature	For operation at room temperature	10 ~ 100
	For operation at high temperature	10 ~ 160
Actuation	Single action	
Actuating pressure	0.3 ~ 0.6MPa	
Liquid-contact surface materials	Valve body	P・TFE
	Diaphragm	P・TFE

### Type Selection Table

 : Fixed items