

STANDARDIZE CUSTOMIZATION

Advance is conducting reseach under the theme of "standardize customization" in order to realize both of these seemingly contradictory goals. Let's take a look at how Advance is incorporating these ideas into the SAV Series.

Manifold type



Manifold type

SAV Series

The SAV Series of compact air operated valves have been designed for use with liquid chemicals, aiming at improvement of fundamental functions and downsizing. ADVANCE has successfully achieved these aims in response to our customerls requirements.

<text>

Fluid mixing manifold

Used when supplying more than one type of fluid to one or two places.



Standardize Customization

Semiconductor manufacturing processes are undergoing rapid changes; they are becoming more advanced and require cleaner production environments. Valves must also provide more advanced functions to keep up with these trends. In heading into the age of 300 mm wafers, the trend toward standardization is gaining momentum, while at the same time, customers are asking for customized products.

Advance is conducting research under the theme of "standardize customization" in order to







Double fluid mixing manifold

Optimal when supplying two different fluids alternately or when flushing with DIN For example, after a liquid chemical has been supplied from port A (Fig. 1), the An operation monitor is provided, making it easy to check whether liquid is flowi





Type Selection Table

Fluid separating manifold

	Se	eries No.	Act	uation	Co	onnectio	n (tu	ıb B ≽a	se			Fitting	Tub	e standards	С	ptional	No cor	. of manifold nnections	Pipi IN s	ing on side
SAV-									0	-									А	
	3	1/4" • 1/2"	2	NC	4	OD1/4" •	6×	4	0	Standard	Т	Tube type	i	Inch	Non		2	Double	А	Both sides
	4	3/4"	6	NO	5	OD3/8" •	10 x	8			Р	20 Series Flowell	m	millimeter	z	Flow rate control	3	Triple		
					6	OD1/2" ·	12 x	10			С	Super type Pillar					4	Quadruple		
					7	OD3/4" •	19 x	16			к	Finallock type Kurabo					5	Quintuple		

Fluid mixing manifold

	Se	eries No.	Actu	uation	Co	nnectio	n (tu	be)	Ва	ase		Fitting	Tube	standards	0	ptional	Ac	tuation	No. con	of manifold nections	Pipi IN s	ng on side
SAV-									0	_							f				А	
	3	1/4" · 1/2"	2	NC	4	OD1/4" •	6×	4	0	Stan- dard	т	Tube type	i	Inch	Non		f	Double action format	2	Double	А	Both
	4	3/4"			5	OD3/8" •	10 x	8			Р	20 Series Flowell	m	millimeter	z	Flow rate control			3	Triple		
					6	OD1/2" ·	12 x	10			С	Super type Pillar							4	Quadruple		
					7	OD3/4" •	19 x	16			к	Finallock type Kurabo							5	Quintuple		

Manifold that reduces fluid clogging (fluid separating type)

	Se	eries No.	Actu	ation	Connection (tube)				Base		Flow route structure			re Fitting		e standards	0	ptional	No. of manifold connections		
SAV-									0	-	Ν										
	3	1/4" • 1/2"	2	NC	4	OD1/4" •	6×	4	0	Stan- dard	Ν	Liquid clogging elimination type	Т	Tube type	i	Inch	Non		2	Double	
	4	3/4"	6	NO	5	OD3/8" •	10 x	8					Р	20 Series Flowell	m	millimeter	z	Flow rate	3	Triple	
					6	OD1/2" •	12 x	10					С	Super type Pillar					4	Quadruple	
					7	OD3/4" •	19 x	16					к	Finallock type Kurabo					5	Quintuple	

Manifold that reduces fluid clogging (fluid mixing type)

	Se	eries No.	Actu	ation	Co	nnectio	า (tul	be)	Ва	ase	Flow	route structure		Fitting	Tube	standards	Op	otional	Ac	tuation	No. conr	of manifold nections
SAV-									0	-	Ν								f			
	3	1/4" • 1/2"	2	NC	4	OD1/4" ·	6×	4	0	Stan- dard	Ν	Liquid clogging elimination type	Т	Tube type	i	Inch	Non		f	Double action format	2	Double
	4	3/4"			5	OD3/8" ·	10 x	8					Р	20 Series Flowell	m	millimeter	z	Flow rate control			3	Triple
					6	OD1/2" ·	12 x	10					С	Super type Pillar							4	Quadruple
					7	OD3/4" ·	19 x	16					к	Finallock type Kurabo							5	Quintuple

Double fluid mixing manifold

	Se	eries No.	Actuation		Connection (tube)			Base		Flow	route structure	Fitting		Tube standards		C	ptional	No. of manifold connections		
SAV-									0	-	М									
	3	1/4" • 1/2"	2	NC	4	OD1/4" ·	6×	4	0	Stan- dard	М	Liquid clogging elimination type	т	Tube type	i	Inch	Non		2	Double
	4	3/4"			5	OD3/8" •	10 x	8					Р	20 Series Flowell	m	millimeter	z	Flow rate control	3	Triple
					6	OD1/2" ·	12 x	10					С	Super type Pillar					4	Quadruple
					7	OD3/4" •	19 x	16					к	Finallock type Kurabo					5	Quintuple

High temperature circulation manifold

	S	Series No.	Ac	tuation	Cc	onnectio	n (tube)		Base		Fitting	Tu	be standards	Hig	n temp. spec.	No CC	 of manifold onnections
SAV-								0	-					s			
	3	1/4" · 1/2"	2	NC	4	OD1/4" ·	6× 4	0	Stan- dard	Ρ	20 Series Flowell	i	Inch	s	High temp.	2	Double
	4	3/4"			5	OD3/8" •	10× 8			С	Super type Pillar	m	millimeter		type	3	Triple
					6	OD1/2" ·	12× 10			к	Finallock type Kurabo						
					7	OD3/4" •	19× 16										

SRVseries Dimension Drawing

Fluid Separating/Mixing Manifold





[SAV - 4270 - * * * * A]

35

14-Rc1/8



[SAV - 3260 - * * * * A]

Double Fluid Mixing Manifold



[SAV - 3240 - MT * Z *]



With operation display

2.5

[SAV - 3260 - MT * Z *]

Fluid Clogging Reduction Manifold







High Temperature Circulation Manifold

