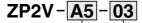
Vacuum Saving Valve

ZP2V Series







Connection size (Pad side/Vacuum generator side) ●

Male thread/Female thread

Symbol		Pad side Vacuum generator side		Applic	able fix	ed orific	e size	l.,
		Male thread	Female thread	0.3	0.5	0.7	1.0	Vacuum generator side Female thread
	A5	M5 x 0.8		0	0	0	_	
	A8	M8 x 1.25		_	0	0	0	
	A01	R1/8 Rc1/8		_	0	0	0	
	AG1	G1/8		_	0	0	0	Male thread Pad side
	AN1	NP	_	0	0	0	rau side	

Female thread/Male thread

Symbol	Pad side Vacuum generator side		Applic	able fix	ed orific	e size	Vacuum generator side
Symbol	Female thread	Male thread	0.3	0.5	0.7	1.0	Male thread
B5	M5	0	0	0	_		
В6	Me	6 x 1	0	0	0	_	
B01	Rc1/8	R1/8	_	0	0	0	
BG1	G1/8		_	0	0	0	Female thread Pad side
BN1	NP	_	0	0	0	Pad side	

Male thread/Male thread

	naio un oud, maio un oud										
	Symbol	Pad side	Vacuum generator side	Applicable fixed orifice size				Vacuum generator side Male thread			
	Symbol	Male thread	Male thread	0.3	0.5	0.7	1.0				
Ī	A5A5	M5	x 0.8	0	0	0	_	👑			
ĺ	A01A01	R1/8		_	0	0	0	Male thread Pad side			
ĺ	AG1AG1	G	_	0	0	0	rau side				

Female thread/Female thread

omaio mioda, omaio moda									
Symbol	Pad side	Pad side Vacuum generator side		able fix	ed orific	e size	Vacuum generator side Female thread		
'	Female thread	Female thread	0.3	0.5	0.7	1.0	∂ •ac		
B5B5	M5	x 0.8	0	0	0	_			
B01B01	Rc1/8		_	0	0	0	Female thread Pad side		
BG1BG1	G	_	0	0	0	rau side			

Fixed orifice size

Fixed orifice size (mm)							
0.3							
0.5							
0.7							
1.0							

Male thread/One-touch fitting

	Male tillead/One-todch htting									
	Symbol	Pad side	Vacuum generator side	Applic	able fix	ed orific	ce size	Vacuum generator side One-touch fitting		
	Symbol	Male thread	One-touch fitting	0.3	0.5	0.7	1.0			
Ì	A5W4	M5 x 0.8	ø4	0	0	0	_			
	A01W6	R1/8	ø6	_	0	0	0	Male thread		
	AG1W6	G1/8	ø6	_	0	0	0	Pad side		

Female thread/One-touch fitting

remale thread/One-todon htting									
Symbol	Vacuum generator side	Applic	able fix	ed orific	e size	Vacuum generator side One-touch fitting			
Symbol	Female thread	One-touch fitting	ch 0.3 0.5 0.7 1.0		Pesc				
B5W4	M5 x 0.8	ø4	0	0	0	_			
B01W6	Rc1/8	ø6	_	0	0	0	Female thread		
BG1W6	G1/8	ø6	_	0	0	0	Pad side		

One-touch fitting/One-touch fitting

Symbol	Pad side	Vacuum generator side	Applic	able fix	ed orific	e size	Vacuum generato One-touch fit
Symbol	One-touch fitting	One-touch fitting	0.3	0.5	0.7	1.0	
W4	,	ø4	0	0	0	_	
W6	ø6		_	0	0	0	One-touch fit Pad side

Specifications

Connection	on size for pad side		M5, M6, ø4		M8, R1/8, Rc1/8, G1/8, NPT1/8, ø6					
Fixed orifi	ice size (mm)	0.3	0.5	0.7	0.5	0.7	1.0			
Effective	When the valve is operating (mm ²)	0.07	0.19	0.38	0.19	0.38	0.78			
area	When the valve is not operating (mm ²)	1.64	1.76	1.95	1.76	2.64	3.04			
Fluid		Air								
Max. operati	ng pressure range (MPa)	0 to 0.7								
Max. operati	ng vacuum pressure range (kPa)	0 to -100								
Ambient a	and fluid temperature (°C)	5 to 60 (No freezing)								
Element no	ominal filtration rating (μm)	40								
Min. opera	ting flow rate (L/min (ANR))	3	5	8	5	8	16			

ZP3

ZP3E

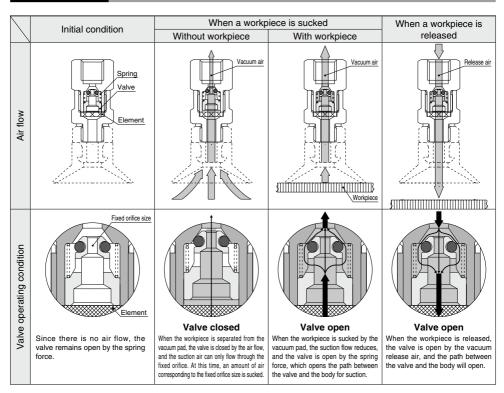
ZP2V

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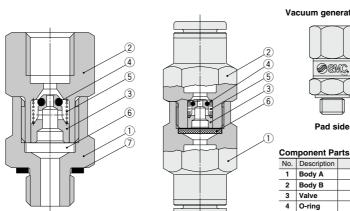
XT661

ZP2V Series

Working Principle



Construction



Pad side

Vacuum generator side



* For the mounting direction of the product, refer to page 635.

Component Parts

No.	Description	Material	Surface treatment
1 Body A		Brass	Electroless nickel plating
2 Body B		Brass	Electroless nickel plating
3	3 Valve Aluminum		_
4	O-ring	HNBR	_
5	Spring	Stainless steel	_
6	6 Element CAC403 equivaler		_
7	Gasket	NBR + Stainless steel	_