

Back Flow Preventing Valve with Push-In Fitting Check Valve Series



- Threaded port to push-in connect port type: comes with Nickel-plated body (small sizes) or Aluminum body (large sizes)
 * Inexpensive models come with plastic body
- Threaded port to threaded port type:
 - comes with Nickel-plated body (small sizes) or Aluminum body (large sizes) * Inexpensive models also come with nickel-plated body but the poppet is made of POM
- In-Line push-in connect to push-in connect union type: comes with Anodized aluminum body (small sizes) or Aluminum body (large sizes)
 * Inexpensive models come with plastic body
 - * Low cracking Pressure type comes with plastic body (Diaphragm opening pressure: 0.73psi)
 - * Low cracking pressure PP type comes with translucent polypropylene body and the metal parts are made of SUS304 (Diaphragm opening pressure: 0.73psi)



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Standard Size List

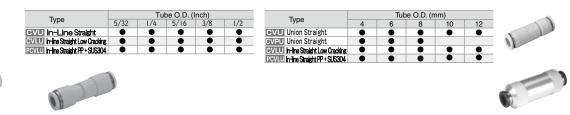


Type	Thread size		Tub	e O.D. (inch)		Type	Thread size
	Thicdu Size	5/32	1/4	5/16	3/8	1/2	туре	Thread Size
CVC Straight	10-32UNF	•					CVPC Straight	10-32UNF
	1/8NPT	•	•	•			NPT, UNF thread	1/8NPT 1/4NPT
NPT, UNF thread	1/4NPT		•	•				
	3/8NPT				•	•		
	1/2NPT							
Ture	Thread size		Tub	e O.D. (mm)		_	
Туре	Thread size	4	6	8	10	12	Туре	Thread size
CVC Straight	M5 × 0.8	•					CVPC Straight	M5 × 0.8
	M6 × 1	•					M	M6×1
Metric.	R1/8	•	•	•			Metric,	R1/8
R or BSPT thread	R1/4		•	•			R or BSPT thread	R1/4
noi boi i diledu	R3/8							
	R1/2				•			

Type	Thread size	Tube O.D. (inch)				
Type	Thread Size	5/32	1/4	5/16		
CVPC Straight	10-32UNF	•				
	1/8NPT	•	•			
NPT, UNF thread	1/4NPT		•	•		
Turne	Thread cite	1	lube O.D. (mn	ז)		
Туре	Thread size	4	Tube O.D. (mn 6	ו <u>)</u> 8		
Type Straight	Thread size M5 × 0.8		, , , , , , , , , , , , , , , , , , , ,			
CVPC Straight			, , , , , , , , , , , , , , , , , , , ,			
	M5 × 0.8		, , , , , , , , , , , , , , , , , , , ,			

Connection: Tube ⇔ Tube (Equal <u>dia.)</u>

Connection: Thread ⇔ Tube





Connection: Tube ⇔ Tube (Unequal dia.)

Ν.	Туре	Tube O.D.1	Tube O.D.2(mm)
)	туре	(mm)	10
	CVG Unequal Union Straight	12	•

Type

CVF Bush (NPT) CVPF Bush (NPT)

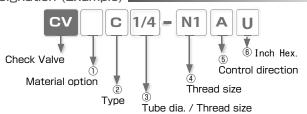
(00)	-	

Connection: Male thread ⇔ Female thread

	Threa	d size		Tura	Thread size				
1/8NPT	1/4NPT	3/8NPT	1/2NPT	Туре	R1/8	R1/4	R3/8	R1/2	
•		•	•	CVF Bush (R or BSPT)	•	•	•	•	
•				CVPF Bush (R or BSPT)	•	•			



Model Designation (Example)



1 Material option

No code : Metal type

P: Resin type (Only available for CVC and CVU with tube dia. 4/6/8mm and CVF Rc1/8 and Rc1/4)
*. Material of Bush type (CVPF) body is metal and Poppet is resin.

2 Type

~	1300							
	Code	Туре	Code	Туре	Code	Туре	Code	Туре
	С	Straight	U	In-Line Straight	G	In-Line Reducer	F	Bush

③ Tube dia. / Thread size

Connection		-	Tube dia	ι.	Taper	pipe thr	ead (M	ale)	
Code	5/32	1/4	5/16	3/8	1/2	N1	N2	N3	N4
Size (inch)	5/32"	1/4"	5/16"	3/8"	1/2"	1/8NPT	1/4NPT	3/8NPT	1/2NPT
Code	4	6	8	10	12	01	02	03	04
Size (mm)	ø4	ø6	ø8	ø10	ø12	R1/8	R1/4	R3/8	R1/2

※ R thread is same as BSPT

(4) Thread size(*. Female threads are for CVF, CVPF types only)

Connection		Tube dia. UNF th						Taper pip	e thread	(Male or F	emale)
Code	5/32	1/4	5/16	3/8	1/2	U	10	N1	N2	N3	N4
Size (inch)	5/32"	1/4"	5/16"	3/8"	1/2"	10-3	2UNF	1/8NPT	1/4NPT	3/8NPT	1/2NPT
Metric	Metric										
Code	4	6	8	10	12	M5	M6	01	02	03	04
Size (mm)	ø4	ø6	ø8	ø10	ø12	M5×0.8	M6 ×	1 R1/8	8 R1/4	R3/8	R1/2
* R thread is same as BSPT Rc1/8 Rc1/4 Rc3/8 Rc1/2					Rc1/2						

5 Control direction (% . No entry for In-line straight type $\H{U}\H{}$)

Code	A	В
Control direction	Inlet on male thread	Outlet on male thread
	Free flow	Free flow

⁽⁶⁾ Wrench Size

U: inch wrench spec. (NPT or UNF thread) No Code: metric wrench spec. (metric thread)

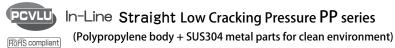
Specifications

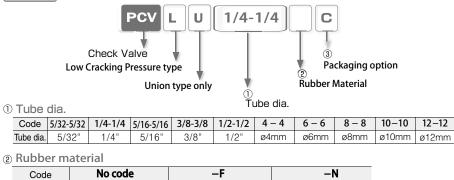
Fluid medium	Air
Operating pressure range	-29.5 inHg ~130psi (-0.1 ~ 0.9 MPa)
Opening pressure	1.45 psi (0.01MPa)
Max. vacuum	-29.5 in. Hg (-100kPa)
Operating temp. range	32 ~ 140°F (0 ~ 60°C) (no freezing)

* Opening pressure is the initial pressure on the secondary side when the pressure is applied from free flow side.

CVLU In-Line	In-Line Straight Low Cracking Pressure							
RoHS compliant								
① Tube dia.	Unior	n type only	Ť	ube dia.				
Code 5/32-5/32 1/4-1/	4 5/16-5/16	3/8-3/8	1/2-1/2	4 – 4	6 – 6	8 – 8	10-10	12-12
Tube dia. 5/32" 1/4"	5/16"	3/8"	1/2"	ø4mm	ø6mm	ø8mm	ø10mm	ø12mm
Specifications								
Fluid medium					Air			
Operating pressure ra	Operating pressure range -29.5 inHg ~ 145psi (-0.1 ~ 1.0MPa)							
Opening pressure 0.725psi (0.005MPa)								
Min. opening differential pre	Min. opening differential pressure 1.45psi (0.01MPa)							
Operating temp. range	Operating temp. range 32 ~ 140°F (0 ~ 60°C) (no freezing)							
※ Opening pressure is the initi	* Opening pressure is the initial pressure on the secondary side when the pressure is applied from free flow side.							

* See the website of Low Cracking Pressure Check Valve as to the dimensions and details





CodeNo code-r-NMaterialEPDMFKMNBR

*The material of the valve packing is FKM

③ Packaging option

-C: Clean-room package

No code: Standard package

Specifications						
Fluid medium	Air, Water, Other chemical (conditional)					
Operating pressure range	-29.5 inHg ~ 145psi (-0.1 ~ 1.0MPa)					
Opening pressure	0.725psi (0.005MPa)					
Min. opening differential pressure	1.45psi (0.01MPa)					
Operating temp. range	32 ~ 140°F (0 ~ 60°C) (no freezing)					

Opening pressure is the initial pressure on the secondary side when the pressure is applied from free flow side.
See the website of SUS304 PP Water Use Check Valve as to the dimensions and details