

PCV series



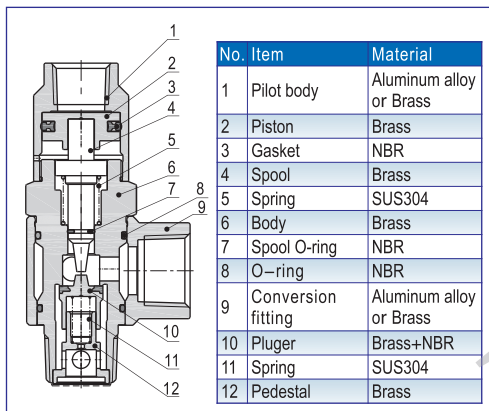
Symbol



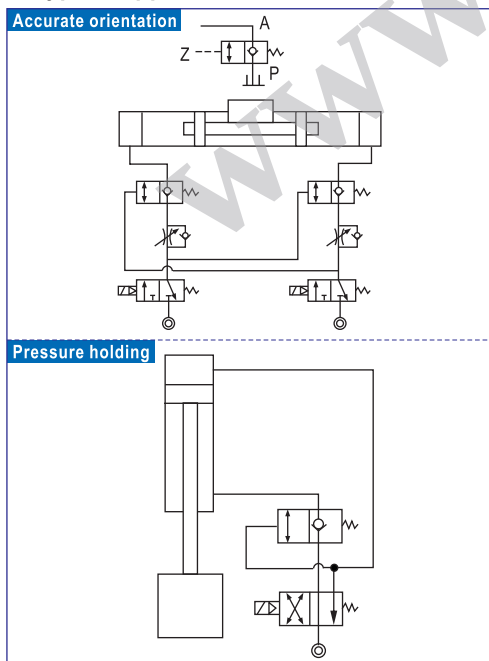
Product feature

1. Can be used for safety loop of pressure holding.
2. Can make cylinder momentary stop, accurate orientation.
3. Can be used special loop.
4. Fitting joint type is used for pilot port, which saved space and improve efficiency of installation.

Inner structure



Typical application



Specification

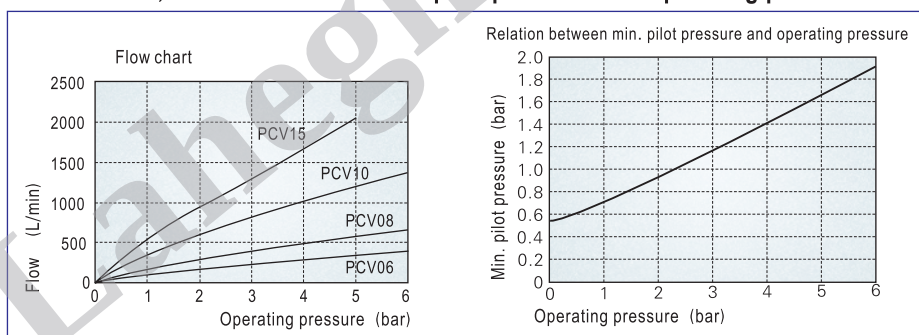
Model	PCV06	PCV08	PCV10	PCV15	PCV06F	PCV08F	PCV10F	PCV15F
Fluid	Air(to be filtered by 40 μm filter element)							
Operating pressure range	0.1~1.0MPa							
Proof pressure	1.5MPa							
Temperature range	-20~70(°C)							
Operating frequency	60(Cycle/minute)		40(Cycle/minute)		60(Cycle/minute)		40(Cycle/minute)	
Port size ①	1/8"	1/4"	3/8"	1/2"	1/8"	1/4"	3/8"	1/2"
Pilot port size	M5X0.8	1/8"	1/4"	1/4"	Φ6	Φ6	Φ8	Φ8

① PT thread, G thread are available.

Ordering code

PCV 06 □ □		
Model	PCV: Pilot no-return valve	
Thread type	Blank: PT	
	G: G	
Port size	06: 1/8"	
	08: 1/4"	
Pilot port type	Blank: Female thread	
	F: Fitting	
Pilot port type	Pilot port size	Inlet/outlet port size
Blank: Female thread	M5X0.8	1/8"
	1/8"	1/4"
	1/4"	3/8", 1/2"
F: Fitting	Φ6	1/8", 1/4"
	Φ8	3/8", 1/2"

Flow chart, Relation between min. pilot pressure and operating pressure



Dimensions

PT Thread											
Item Model	C	CA	D	EA	EB	HA	HB	RA	RB	RC	
PCV06	48.5	7.5	-	16	16	14	12	PT1/8	PT1/8	M5X0.8	
PCV08	59	10	-	20.3	21	17	14	PT1/4	PT1/4	PT1/8	
PCV10	74.5	11	-	25	26	22	17	PT3/8	PT3/8	PT1/4	
PCV15	79.5	14	-	28	29.5	24	19	PT1/2	PT1/2	PT1/4	
PCV06F	58.5	7.5	6	16	16	14	-	PT1/8	PT1/8	-	
PCV08F	67	10	6	20.3	21	17	-	PT1/4	PT1/4	-	
PCV10F	82	11	8	25	26	22	-	PT3/8	PT3/8	-	
PCV15F	87	14	8	28	29.5	24	-	PT1/2	PT1/2	-	

G Thread											
Item Model	C	CA	D	EA	EB	HA	HB	RA	RB	RC	
PCV06G	48.5	5.5	-	16	19	14	12	G1/8	G1/8	M5X0.8	
PCV08G	59	6.5	-	20.3	24	17	14	G1/4	G1/4	G1/8	
PCV10G	74.5	7.5	-	25	30.5	22	17	G3/8	G3/8	G1/4	
PCV15G	79.5	9	-	28	34.5	24	19	G1/2	G1/2	G1/4	
PCV06FG	58.5	5.5	6	16	19	14	-	G1/8	G1/8	-	
PCV08FG	67	6.5	6	20.3	24	17	-	G1/4	G1/4	-	
PCV10FG	82	7.5	8	25	30.5	22	-	G3/8	G3/8	-	
PCV15FG	87	9	8	28	34.5	24	-	G1/2	G1/2	-	