

Stacking high flow valves with air pilot or solenoid actuation. Lightweight plastic bodies feature push-in or threaded connections. Stacking valves feature modular inlet and exhaust facility.



- High flow, compact size
- Push-in or threaded connection
- DIN rail or block mounting
- Light weight construction



**For ATEX specific products
contact Sales Office**

Operating information

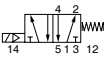
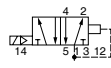
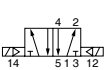
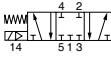
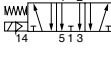
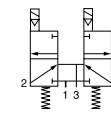
Working pressure;
Pneumatically operated: 2-10 bar
Electrically operated, bistable: 2-10 bar
Electrically operated, monostable: 3-10 bar
Working temperature -15 °C to +60 °C

	PVL-B	PVL-C
Flow (Q _{max}):	900 l/min	1800 l/min
Flow Q _n :	540 l/min	1100 l/min

Flow measured with valve stacked in island.

PVL-B & PVL-C Valve body - Stand alone and stackable design - Without pilot

Pneumatic or 15 mm electric pilot must be ordered separately

Symbol	Description	Valve size	Connection	Weight (g)	Stand Alone	Stackable
					Order code	Order code
	5/2 single acting / Spring return	PVL-B	Push-in Ø 6 mm	125	PVL-B111606	PVL-B121606
			G 1/8	125	PVL-B111618	PVL-B121618
		PVL-C	Push-in Ø 8 mm	240	PVL-C111608	PVL-C121608
			G 1/4	240	PVL-C111619	PVL-C121619
	5/2 single acting / Air spring return	PVL-B	Push-in Ø 6 mm	125	PVL-B113606	PVL-B123606
			G 1/8	125	PVL-B113618	PVL-B123618
		PVL-C	Push-in Ø 8 mm	240	PVL-C113608	PVL-C123608
			G 1/4	240	PVL-C113619	PVL-C123619
	5/2 double acting	PVL-B	Push-in Ø 6 mm	120	PVL-B112606	PVL-B122606
			G 1/8	120	PVL-B112618	PVL-B122618
		PVL-C	Push-in Ø 8 mm	230	PVL-C112608	PVL-C122608
			G 1/4	230	PVL-C112619	PVL-C122619
	5/3 APB (All Ports Blocked)	PVL-B	Push-in Ø 6 mm	130	PVL-B117606	PVL-B127606
			G 1/8	130	PVL-B117618	PVL-B127618
		PVL-C	Push-in Ø 8 mm	250	PVL-C117608	PVL-C127608
			G 1/4	250	PVL-C117619	PVL-C127619
	5/3 Vented centre	PVL-B	Push-in Ø 6 mm	130	PVL-B118606	PVL-B128606
			G 1/8	130	PVL-B118618	PVL-B128618
		PVL-C	Push-in Ø 8 mm	250	PVL-C118608	PVL-C128608
			G 1/4	250	PVL-C118619	PVL-C128619
	Double 3/2 Normally Closed (NC)	PVL-B	Push-in Ø 6 mm	130	PVL-B115606	PVL-B125606
			G 1/8	130	PVL-B115618	PVL-B125618

Head and tail sets and intermediate supply modules

	Type of mounting	Description	Valve size	Port size	Weight (g)	Order code
	On DIN rail	Single air supply head and tail set	PVL-B	G1/4	175	PVL-B1719
			PVL-C	G3/8	195	PVL-C1713
		Dual air supply head and tail set	PVL-B	G1/4	245	PVL-B1729
			PVL-C	G3/8	285	PVL-C1723
	Surface	Single air supply head and tail set	PVL-B	G1/8	200	PVL-B1818
			PVL-C	G1/4	225	PVL-C1819
		Dual air supply head and tail set	PVL-B	G1/8	260	PVL-B1828
			PVL-C	G1/4	280	PVL-C1829
	On DIN rail	Intermediate supply module	PVL-B	G1/8	150	PVU-LBB118
			PVL-C	G1/4	200	PVU-LCC119
	On DIN rail	Kit for stacking PVL-B & PVL-C	PVL-C/B	G1/4-G1/8	640	PVU-LCB119
		Including :				
		- 1 transfert / take-off module				
		- 1 PVL-C head module				
		- 1 PVL-B end plate				

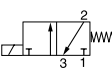
Air-pilot actuator for PVL-B and PVL-C valve

For use with PVL-B and PVL-C valve body

	Description	Pneumatic connection	Weight (g)	Order code
	Air-pilot actuator for PVL-B & PVL-C 15mm solenoid body	Push-in Ø 4 mm	7	PVA-P111
		Threaded M5	2	PVA-P115

15mm DIN Form C (8mm spacing) pilot solenoid valve

For use with PVL-B and PVL-C valve body

		Manual Overrides		Flush (Not Extended)			Extended	
			Without Manual Override	Blue Override, non locking	Yellow Override, Locking		Blue Override, non locking	Yellow Override, Locking
	Voltage	W (g)	Order code	Order code	Order code		Order code	Order code
 Pins/Air Opposite (Pins UP)	12 Vdc	38	 P2E-KV32B0	P2E-KV32B1	P2E-KV32B2		P2E-KV32B3	P2E-KV32B4
	24 Vdc	38	 P2E-KV32C0	P2E-KV32C1	P2E-KV32C2		P2E-KV32C3	P2E-KV32C4
	48 Vdc	38	 P2E-KV32D0	P2E-KV32D1	P2E-KV32D2		P2E-KV32D3	P2E-KV32D4
	24 Vac 50Hz	38	 P2E-KV31C0	P2E-KV31C1	P2E-KV31C2		P2E-KV31C3	P2E-KV31C4
	48 Vac 50/60Hz	38	 P2E-KV34D0	P2E-KV34D1	P2E-KV34D2		P2E-KV34D3	P2E-KV34D4
	115 Vac 50Hz 120 Vac 60 Hz	38	 P2E-KV31F0	P2E-KV31F1	P2E-KV31F2		P2E-KV31F3	P2E-KV31F4
	230 Vac 50Hz 240 Vac 60 Hz	38	P2E-KV31J0	P2E-KV31J1	P2E-KV31J2		P2E-KV31J3	P2E-KV31J4

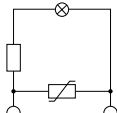
Cable plugs 15 mm - IP65

(8mm pin spacing)

	Description	Electrical protection	Cable length	Weight (g)	Order code
	Large headed screw	No protection	No cable	16	P8C-C
	For inaccessible or recess position	LED + Protection 24 VDC	No cable	16	P8C-C26C
	Standard screw	No protection	No cable	11	P8C-D
			2 m cable	97	P8L-C2
			5 m cable	228	P8L-C5
	Connector schematic	LED + Protection 24 VDC	No cable	11	P8C-D26C
			2 m cable	97	P8L-C226C
			5 m cable	229	P8L-C526C
	No LED version	LED version			

Suppressor and LED indicators

For 8 mm solenoid pin spacing - For mounting between the solenoid valve and the cable plug

	Symbol	Description	Pneumatic connection	Weight (g)	Order code
		LED indicator	24 VAC/DC	3	P8V-CR26C
			115 VAC 50 Hz - 120 VAC 60 Hz	3	P8V-CR24F
			230 VAC 50 Hz - 240 VAC 60 Hz	3	P8V-CR24J

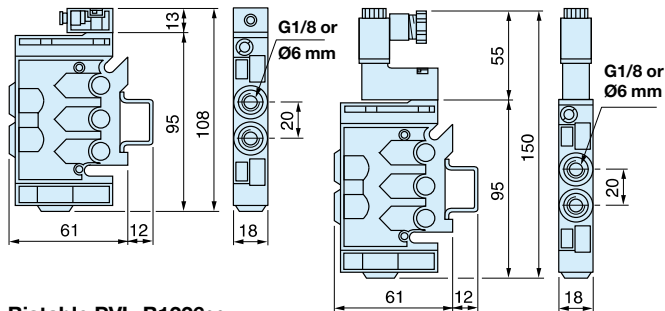
Spare mounting and assembly kits

	Description	Valve size	Port size	Weight (g)	Order code
	Kit for sealing the inlet/exhaust common gallery including :	PVL-B		35	PVL-B1901
	- 3 common blanking plugs	PVL-C		65	PVL-C1901
	- 2 drilled and threaded rods				
	- 2 screws for extended tie rod				

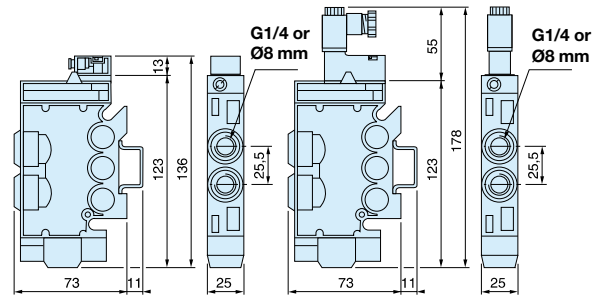
Dimensions, PVL valve Series

All dimensions in mm unless otherwise stated

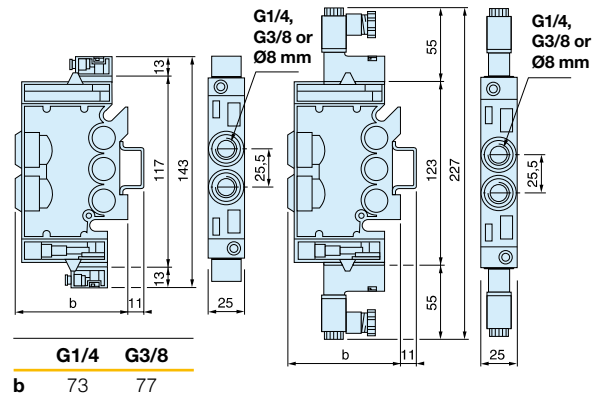
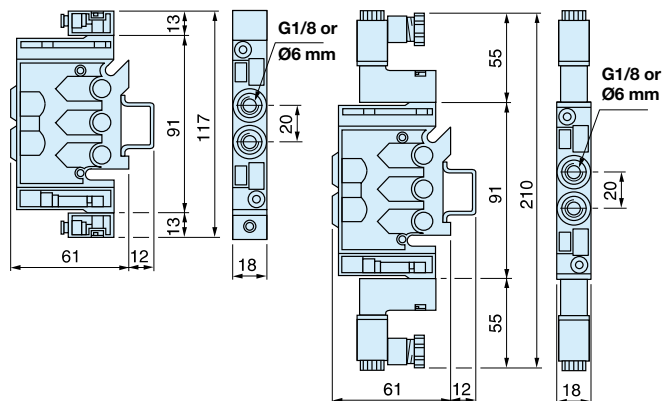
Stacking power valves 1/8" with pneumatic or electrical piloting - Monostable PVL-B1216••, PVL-B1236••



Stacking power valves 1/4" with pneumatic or electrical control - With 1 W solenoid actuator and suitable pneumatic connector - Monostable PVL-C1216••, PVL-C1236••



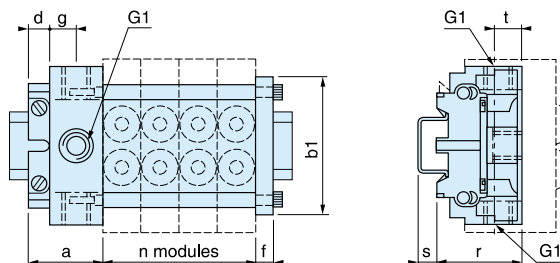
Bistable PVL-B1226••



Head and tail sets

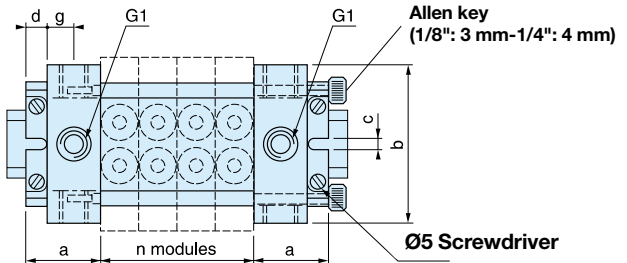
Single air supply

PVL-B1719, PVL-C1713, mounting on DIN rail



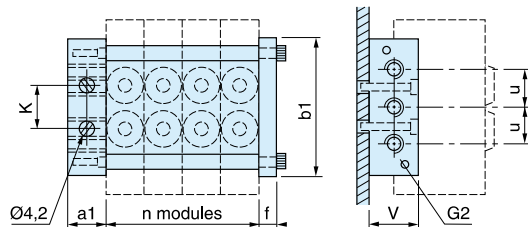
Dual air supply

PVL-B1729, PVL-C1723, mounting on DIN rail



Single air supply

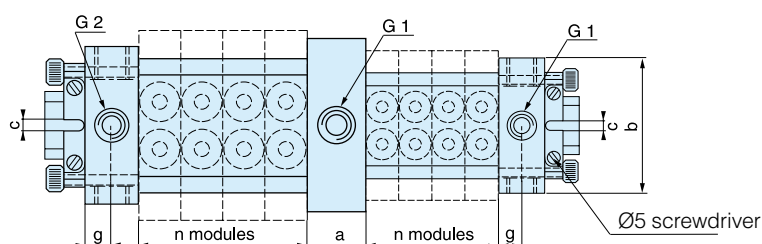
PVL-B1818, PVL-C1819, "stack mounting"



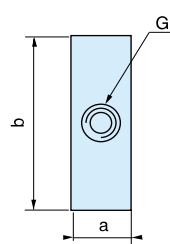
	a	a1	b	b1	c	d	f	g	G1	G2	k	r	s	t	u	v
1/8"	38	16	83	70	4,2	10	8	12	1/4"	1/8"	17,3	44	9	11	16	25
1/4"	38	20	108	100	4,2	10	8	12	3/8"	1/4"	63,5	55	9	13	20	30

"Transfer / take-off" module, intermediate supply module

For combination of sizes 1/4" - 1/8" - PVU-LCB119



PVUL-BB118 - PVU-LCC119



	a	b	G
1/8"	18	75	1/8
1/4"	25	100	1/4

Miniature high-speed valves in stand alone, stackable or combined modules, incorporating standard logic functions. The range also includes timers and impulse modules.

- Complete range
- Stand alone, stackable or combinable modules
- Very fast response time
- Flexible and highly maintainable system
- DIN rail mounting
- Ø 4mm connection



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Operating information

Working pressure	3 to 8 bar
Working temperature	-15 °C to 60 °C
Flow (Qmax)	180 l/min (PRD = 60 l/min)
ATEX approval:	CE Ex II 2 GD c 85°C
For more information see www.parker.com/euro_pneumatic	

Logic sequencer

Step modules



Order code

Without sub base	PSM-A10
Pneumatic output	
Visual indication of pneumatic output and manual override	PSM-A12
With sub base	
Without manual override	PSM-B12

Step module subbase



Order code

Subbase	PSB-A12
Additional interlock	PSV-A12

Set of head and tail modules and deviation modules

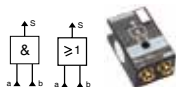


Order code

Head & tail set	PSE-A12
Deviation standard	PSD-A12
Deviation for remote	PSD-B12

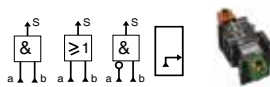
Logic elements

Line mounted elements



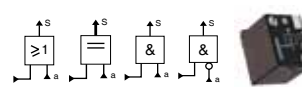
Logic Function	Order code
AND	PLL-A11
OR	PLK-A11
Clip on Din-rail	PZM-L199

Combinable elements



Logic Function	Order code
AND	PLL-B12
OR	PLK-B12
NOT	PLN-B12
INPUT	PLE-B12

Subbase mounted elements



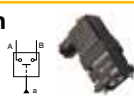
Logic Function	Order code
AND	PLL-C10
NOT inhibit standard	PLN-C10
NOT inhibit threshold	PLN-D10
OR	PLK-C10
YES regenerated	PLJ-C10

3 port subbase to be ordered separately.

Logic relays

Pressure switch

To be used with 3 port subbase

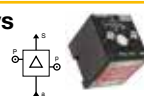


Order code

With subbase	PRE-A12
Without subbase	PRE-A10

Amplifier relays

To be used with 4 port subbase



Order code

With subbase	PRD-A12
Without subbase	PRD-A10

Memory relays

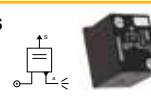
To be used with 4 port subbase



Order code

With subbase	PLM-A12
Without subbase	PLM-A10

Sensor relays



Order code

With subbase	PRF-A12
Without subbase	PRF-A10

Time delay relays

To be mounted on 3 port subbase



Function	Timing	Order code
Output after timed period	0,1 to 3s	PRT-E10
	0,1 to 30s	PRT-A10
	10 to 180s	PRT-B10
With subbase	0,1 to 30s	PRT-A12
Output during timed period	0,1 to 3s	PRT-F10
	0,1 to 30s	PRT-C10
	10 to 180s	PRT-D10

Subbase for logic elements and relays

3 port and 4 port subbases



	Order code
Input module	PZU-E12
3 port "common input"	PZU-A12
3 port "cascade"	PZU-C12
4 port subbase*	PZU-B12

* For combination with memory relay and amplified relay.