



PVL-B2

Stackable and Stand-alone Inline Valves



PVL-B21 - Stand-alone Series

Stand-alone high flow valves with 10 or 15mm DIN C Pilot Solenoid Valve. Light weight plastic bodies feature push-in or threaded connection.

PVL-B22 - Stackable Series

Stacking high flow valves with 10 or 15mm DIN C Pilot Solenoid Valve. Light weight plastic bodies feature push-in or threaded connection. Stacking valves feature modular inlet and exhaust facility.

- **High flow – Compact size with a 18 mm width body**
- **Push-in fitting diameter 6mm, 8mm or threaded G1/8"**
- **DIN rail or surface mounting**
- **Economic clip connector (IP40) or DIN Form C connection (IP65)**
- **Light weight construction**

PVL-B2 Valve Range

18mm width

10mm 24 Vdc Pilot Valve

Economic electrical connection (IP40)



15mm Pilot Valve

Standard DIN form C electrical connection (IP65)



10mm Pilot Valve

Series Overview

15mm Pilot Valve



PVL-B21 : Stand- alone Series – Traditional wiring

Very useful to control isolated cylinders, these stand-alone valve Series are compact and easy to mount on the machines close to the actuator with neat electrical pilot. Available with either 15 or 10 mm pilot solenoid valve traditional wiring, these Series can also be stacked and mixed into a stacking valve island Series



PVL-B22 : Stackable Series – Traditional wiring

The PVL-B2 Series stacking system permits assembly of several valves into one stack. Supply is connected at either a single or a dual head/tail set. Two common exhaust galleries are provided. Connections to outlet ports 2 and 4 on each valve can be accomplished by G1/8" threaded pipe or instant tube fittings, 6 or 8 mm OD. Electrical connection is made to each solenoid using either a 15 mm - 3 pin - 8 mm spacing DIN Form C connector plug or Clip Connector. Each stack assembly can handle any combination of single or double solenoid valves



Compatibility with original PVL-B & PVL-C Series

Issued from the original PVL-B Series, the new PVL-B2 Series can be associated in one configuration mixing PVL-B & PVL-C Valves. For further details on the PVL-B & PVL-C Series, you can refer to the dedicated technical catalogue PDE2628TCUK



PVL-B2

3 Porting options for an optimized flow

2 Electrical Pilot options 10 mm Pilot Solenoid Valve

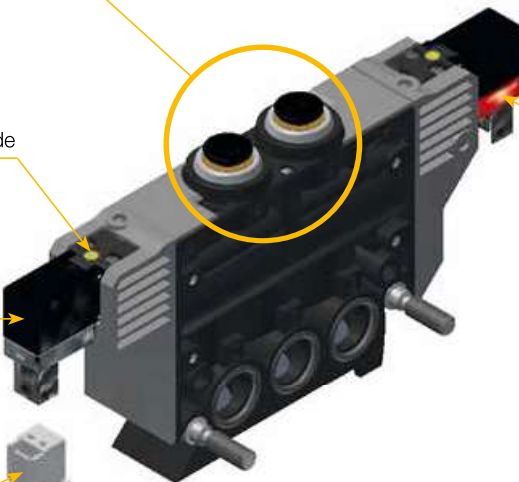
Pins-UP option



Non locking Manual Override

24 Vdc – Low power (1W)

Economic electrical connection
by Clip Connector – IP40



Push-In Fittings

- 6 mm OD Qn 490 NI/mn (Qmax. 780 NI/mn)
- 8 mm OD Qn 710 NI/mn (Qmax. 1100 NI/mn)

Threaded ports

- G1/8" Qn 640 NI/mn (Qmax. 900 NI/mn)

Integrated LED Indicator



Pneumatic Symbol

15 mm DIN For C Pilot Solenoid Valve

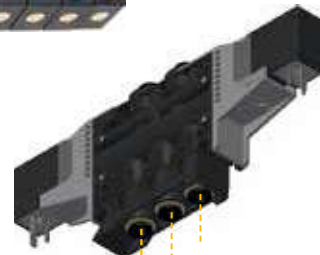
Standard DIN Form C connectors – IP65
8 mm spacing

Wide range of DC and AC Voltage options

5 manual override options

Common Supply and Exhaust Channels
for stackable design

Pins-DOWN option



Supply and Exhaust Bottom Ported
for Stand-alone design



PVL-B22 - Stackable Series

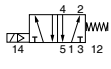
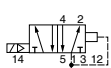
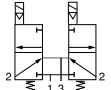
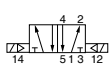
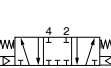

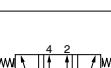
Stacking high flow valves with 10 or 15mm DIN C Pilot Solenoid Valve. Light weight plastic bodies feature push-in or threaded connection. Stacking valves feature modular inlet and exhaust facility.

- High flow – Compact size with a 18 mm width body
- Push-in fitting diameter 6mm, 8mm or threaded G1/8"
- DIN rail or surface mounting
- Economic clip connector (IP40) or DIN Form C connection (IP65)
- Light weight construction




PVL-B22 - Valve module

Equipped with 10mm - 24 Vdc - 1W pilot solenoid valve – LED Indicator – Pins Down*

Symbol	Description	Pilot Man. Overr.	Connection	W (g)	Order code
	5/2 single acting spring return	Non-locking flush	Push-in 6mm	165	PVL-B2213062C1
			Push-in 8mm	165	PVL-B2213082C1
			G1/8"	165	PVL-B2213182C1
	5/2 single acting air spring return	Non-locking flush	Push-in 6mm	165	PVL-B2233062C1
			Push-in 8mm	165	PVL-B2233082C1
			G1/8"	165	PVL-B2233182C1
	Dual 3/2 N.C. air spring return	Non-locking flush	Push-in 6mm	210	PVL-B2253062C1
			Push-in 8mm	210	PVL-B2253082C1
			G1/8"	210	PVL-B2253182C1
	5/2 Double acting	Non-locking flush	Push-in 6mm	200	PVL-B2223062C1
			Push-in 8mm	200	PVL-B2223082C1
			G1/8"	200	PVL-B2223182C1
	5/3 Closed center (APB)	Non-locking flush	Push-in 6mm	210	PVL-B2273062C1
			Push-in 8mm	210	PVL-B2273082C1
			G1/8"	210	PVL-B2273182C1
	5/3 Vented center	Non-locking flush	Push-in 6mm	210	PVL-B2283062C1
			Push-in 8mm	210	PVL-B2283082C1
			G1/8"	210	PVL-B2283182C1
	5/3 Pressurised center	Non-locking flush	Push-in 6mm	210	PVL-B2293062C1
			Push-in 8mm	210	PVL-B2293082C1
			G1/8"	210	PVL-B2293182C1


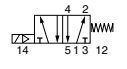

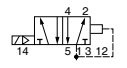

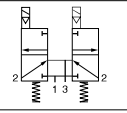
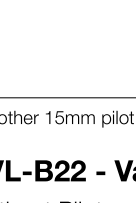
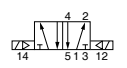
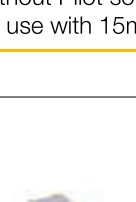
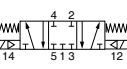

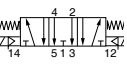

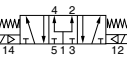
* Other electrical connection orientations or low voltages DC on demand (can be subject to quantity)

10 mm Pilot solenoid valve electrical clip connector

Description	Connector type	Cable length	W (g)	Order code
 <p>Clip-on connector – IP40 Individual : Including 2 flying leads Multiple : Including 1 common (0 Vdc) and 1 flying lead per connector</p>	1 clip connector	1 meter	8	P8LW021C
	2 clip connectors	1 meter	12	P8LW021C02
	4 clip connectors	1 meter	20	P8LW021C04
	8 clip connectors	1 meter	36	P8LW021C08

PVL-B22 - Valve module

Equipped with 15mm DIN Form C (8mm spacing) - 24 Vdc - 1,2W pilot solenoid valve – Pins Up


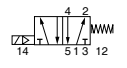

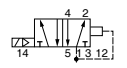

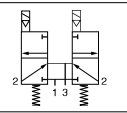

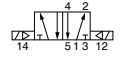

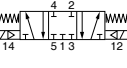

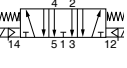
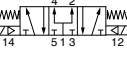
	Symbol	Description	Pilot Man. Overr.	Connection	W (g)	Order code
		5/2 single acting spring return	Locking flush	Push-in 6mm	165	PVL-B2216062C2
				Push-in 8mm	165	PVL-B2216082C2
				G1/8"	165	PVL-B2216182C2
		5/2 single acting air spring return	Locking flush	Push-in 6mm	165	PVL-B2236062C2
				Push-in 8mm	165	PVL-B2236082C2
				G1/8"	165	PVL-B2236182C2
		Dual 3/2 N.C. air spring return	Locking flush	Push-in 6mm	210	PVL-B2256062C2
				Push-in 8mm	210	PVL-B2256082C2
				G1/8"	210	PVL-B2256182C2
		5/2 Double acting	Non-locking flush	Push-in 6mm	200	PVL-B2226062C1
				Push-in 8mm	200	PVL-B2226082C1
				G1/8"	200	PVL-B2226182C1
		5/3 Closed center (APB)	Locking flush	Push-in 6mm	210	PVL-B2276062C2
				Push-in 8mm	210	PVL-B2276082C2
				G1/8"	210	PVL-B2276182C2
		5/3 Vented center	Locking flush	Push-in 6mm	210	PVL-B2286062C2
				Push-in 8mm	210	PVL-B2286082C2
				G1/8"	210	PVL-B2286182C2
		5/3 Pressurised center	Locking flush	Push-in 6mm	210	PVL-B2296062C2
				Push-in 8mm	210	PVL-B2296082C2
				G1/8"	210	PVL-B2296182C2

For other 15mm pilot valve options (voltage, manual override or pins orientation), valve body and 15mm pilot valve must be ordered separately (see below)

PVL-B22 - Valve module


(Without Pilot solenoid valve – including 2 mounting screws for Pilot solenoid valve)

For use with 15mm DIN Form C (8mm spacing) Pins UP or Pins DOWN pilot solenoid valve

	Symbol	Description	Connection	W (g)	Order code
		5/2 single acting spring return	Push-in 6mm	125	PVL-B221606
			Push-in 8mm	125	PVL-B221608
			G1/8"	125	PVL-B221618
		5/2 single acting air spring return	Push-in 6mm	125	PVL-B223606
			Push-in 8mm	125	PVL-B223608
			G1/8"	125	PVL-B223618
		Dual 3/2 N.C. air spring return	Push-in 6mm	130	PVL-B225606
			Push-in 8mm	130	PVL-B225608
			G1/8"	130	PVL-B225618
		5/2 Double acting	Push-in 6mm	120	PVL-B222606
			Push-in 8mm	120	PVL-B222608
			G1/8"	120	PVL-B222618
		5/3 Closed center (APB)	Push-in 6mm	130	PVL-B227606
			Push-in 8mm	130	PVL-B227608
			G1/8"	130	PVL-B227618
		5/3 Vented center	Push-in 6mm	130	PVL-B228606
			Push-in 8mm	130	PVL-B228608
			G1/8"	130	PVL-B228618
		5/3 Pressurised center	Push-in 6mm	130	PVL-B229606
			Push-in 8mm	130	PVL-B229608
			G1/8"	130	PVL-B229618

15mm DIN Form C (8mm spacing) pilot solenoid valve – Pin's UP or Pin's DOWN – must be ordered separately (Refer to 15 mm pilot valve section)






Head and Tail sets – Intermediate supply modules

	Description	Mounting	Air supply	Port size	W (g)	Order code
	Head and tail set	On DIN rail	Left end	G1/4"	175	PVL-B1719
			Both left and right ends	G1/4"	195	PVL-B1729
	Intermediate module	On surface	Left end	G1/8"	175	PVL-B1818
			Both left and right ends	G1/8"	195	PVL-B1828
Intermediate module	On DIN rail	Up side	G1/8"	150	PVU-LBB118	

Pneumatic accessories

	Description	Size	Orientation	Material	Tube OD	W (g)	Order code
	Push-in fitting for Pressure and Exhaust ports	G1/4"	Straight	Metal	8 mm	16	3101 08 13
					10 mm	18	3101 10 13
					12 mm	27	3101 12 13
			Elbow	Metal/Plastic	8 mm	21	3199 08 13
					10 mm	28	3199 10 13
					12 mm	44	3199 12 13
	Silencer	G1/4"	Straight	Plastic		10	P6M-PAB2
				Sintered metal		20	P6M-BAA2
	Push-in fitting for PVL-B2 Valve	G1/8"	Straight	Metal	4 mm	6	3101 04 10
					6 mm	7	3101 06 10
					8 mm	11	3101 08 10
			Elbow prolonged	Plastic	4 mm	8	3169 04 10
					6 mm	11	3169 06 10
					8 mm	18	3169 08 10
			Elbow short	Plastic	4 mm	6	3199 04 10
					6 mm	6	3199 06 10
					8 mm	9	3199 08 10
		6 mm	Elbow prolonged	Plastic	4 mm	2	3184 04 06
					6 mm	4	3184 06 00
					8 mm	9	3184 08 00
			Elbow short	Plastic	4 mm	3	3182 04 06
					6 mm	1	3182 06 00
					8 mm	10	3182 08 00
		8 mm	Elbow prolonged	Plastic	6 mm	7	3184 06 08
					8 mm	10	3184 08 00
					6 mm	7	3182 06 08
			Elbow short	Plastic	6 mm	7	3182 06 08
					8 mm	10	3182 08 00

Spare mounting and assembly kits

	Description	W (g)	Order code
	Sealing kit for supply/exhaust common channels Included :	35	PVL-B1901
	<ul style="list-style-type: none"> • 3 common blanking plugs • 2 drilled and threaded rods • 2 screws for extended tie rod 		
	Pack of 10 common blanking	35	PVL-B1902
	Pack of 10 stacking rods	35	PPR-V21
	Pack of 20 rail clip assembly	70	PPR-L09
	Pack of 30 O-ring seals for supply/exhaust common channels	15	PPR-V23

Mounting on 35 mm DIN Rail

Valve stacks mount quickly and easily to 35 mm DIN rail with the use of a pneumatic head / tail set. The dual head / tail set provides input and exhaust ports at both ends and is recommended if more than 5 valves are to be operated simultaneously.

Surface mounting

For single or dual air supply

This mounting does not use DIN rail and can be directly fixed on the panel. Particularly compact and threaded G1/8", it is recommended for combinations of only a few power valves (maximum 5 valves) since the supply and exhaust common ports 1-3-5 are not G1/4" oversized.

Removal or Replacement

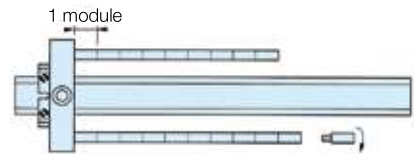
Modules are removed in reverse of the order shown at right. Before removing a module for service or replacement, loosen the pneumatic tail piece.

Mounting Procedure

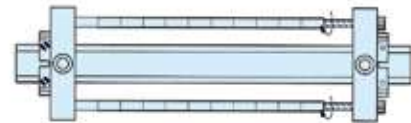
1 - Clip on and tighten the pneumatic head piece.



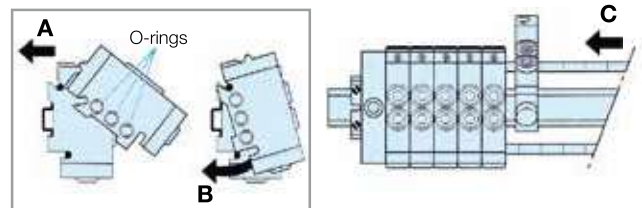
2 - Assemble the two parallel mounting rods using cross rod provided with modules.



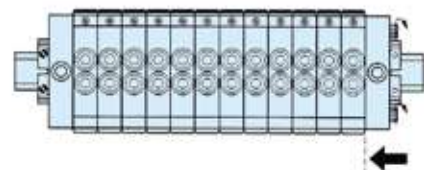
3 - Clip on the pneumatic tail piece. Start screws into mounting rod but leave loose for modules insertion.



4 - To mount valves, position upper slot then push-lock lower slot. Mount modules (valves, modules, transition pieces, etc...) and press together.



5 - Tighten the assembly.



PVL-B21 - Stand-alone Series

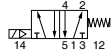
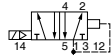
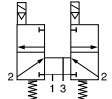
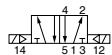
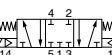

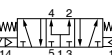
Stand-alone high flow valves with 10 or 15mm DIN C Pilot Solenoid Valve. Light weight plastic bodies feature push-in or threaded connection.

- High flow – Compact size with a 18 mm width body
- Push-in fitting diameter 6mm, 8mm or threaded G1/8"
- Economic clip connector (IP40) or DIN Form C connection (IP65)
- Light weight construction
- Compatible with stackable version




PVL-B21 - Valve module

Equipped with 10mm - 24 Vdc - 1W pilot solenoid valve – LED Indicator – Pins Down*

Symbol	Description	Pilot Man. Overr.	Connection	W (g)	Order code
	5/2 single acting spring return	Non-locking flush	Push-in 6mm	165	PVL-B2113062C1
			Push-in 8mm	165	PVL-B2113082C1
			G1/8"	165	PVL-B2113182C1
	5/2 single acting air spring return	Non-locking flush	Push-in 6mm	165	PVL-B2133062C1
			Push-in 8mm	165	PVL-B2133082C1
			G1/8"	165	PVL-B2133182C1
	Dual 3/2 N.C. air spring return	Non-locking flush	Push-in 6mm	210	PVL-B2153062C1
			Push-in 8mm	210	PVL-B2153082C1
			G1/8"	210	PVL-B2153182C1
	5/2 Double acting	Non-locking flush	Push-in 6mm	200	PVL-B2123062C1
			Push-in 8mm	200	PVL-B2123082C1
			G1/8"	200	PVL-B2123182C1
	5/3 Closed center (APB)	Non-locking flush	Push-in 6mm	210	PVL-B2173062C1
			Push-in 8mm	210	PVL-B2173082C1
			G1/8"	210	PVL-B2173182C1
	5/3 Vented center	Non-locking flush	Push-in 6mm	210	PVL-B2183062C1
			Push-in 8mm	210	PVL-B2183082C1
			G1/8"	210	PVL-B2183182C1
	5/3 Pressurised center	Non-locking flush	Push-in 6mm	210	PVL-B2193062C1
			Push-in 8mm	210	PVL-B2193082C1
			G1/8"	210	PVL-B2193182C1


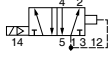
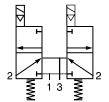
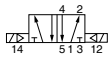
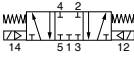
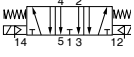
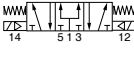
* Other electrical connection orientations or low voltages DC on demand (can be subject to quantity)

10 mm Pilot solenoid valve electrical clip connector

Description	Connector type	Cable length	W (g)	Order code
 <p>Clip-on connector – IP40 Individual : Including 2 flying leads Multiple : Including 1 common (0 Vdc) and 1 flying lead per connector</p>	1 clip connector	1 meter	8	P8LW021C
	2 clip connectors	1 meter	12	P8LW021C02
	4 clip connectors	1 meter	20	P8LW021C04
	8 clip connectors	1 meter	36	P8LW021C08

PVL-B21 - Valve module

Equipped with 15mm DIN Form C (8mm spacing) - 24 Vdc - 1,2W pilot solenoid valve – Pins Up

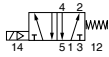
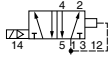
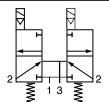
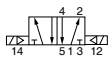
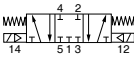

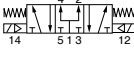
Symbol	Description	Pilot Man. Overr.	Connection	W (g)	Order code
	5/2 single acting spring return	Locking flush	Push-in 6mm	165	PVL-B2116062C2
			Push-in 8mm	165	PVL-B2116082C2
			G1/8"	165	PVL-B2116182C2
	5/2 single acting air spring return	Locking flush	Push-in 6mm	165	PVL-B2136062C2
			Push-in 8mm	165	PVL-B2136082C2
			G1/8"	165	PVL-B2136182C2
	Dual 3/2 N.C. air spring return	Locking flush	Push-in 6mm	210	PVL-B2156062C2
			Push-in 8mm	210	PVL-B2156082C2
			G1/8"	210	PVL-B2156182C2
	5/2 Double acting	Non-locking flush	Push-in 6mm	200	PVL-B2126062C1
			Push-in 8mm	200	PVL-B2126082C1
			G1/8"	200	PVL-B2126182C1
	5/3 Closed center (APB)	Locking flush	Push-in 6mm	210	PVL-B2176062C2
			Push-in 8mm	210	PVL-B2176082C2
			G1/8"	210	PVL-B2176182C2
	5/3 Vented center	Locking flush	Push-in 6mm	210	PVL-B2186062C2
			Push-in 8mm	210	PVL-B2186082C2
			G1/8"	210	PVL-B2186182C2
	5/3 Pressurised center	Locking flush	Push-in 6mm	210	PVL-B2196062C2
			Push-in 8mm	210	PVL-B2196082C2
			G1/8"	210	PVL-B2196182C2

For other 15mm pilot valve options (voltage, manual override or pins orientation), valve body and 15mm pilot valve must be ordered separately (see below)

PVL-B21 - Valve module




(Without Pilot solenoid valve – including 2 mounting screws for Pilot solenoid valve)

For use with 15mm DIN Form C (8mm spacing) Pins UP or Pins DOWN pilot solenoid valve

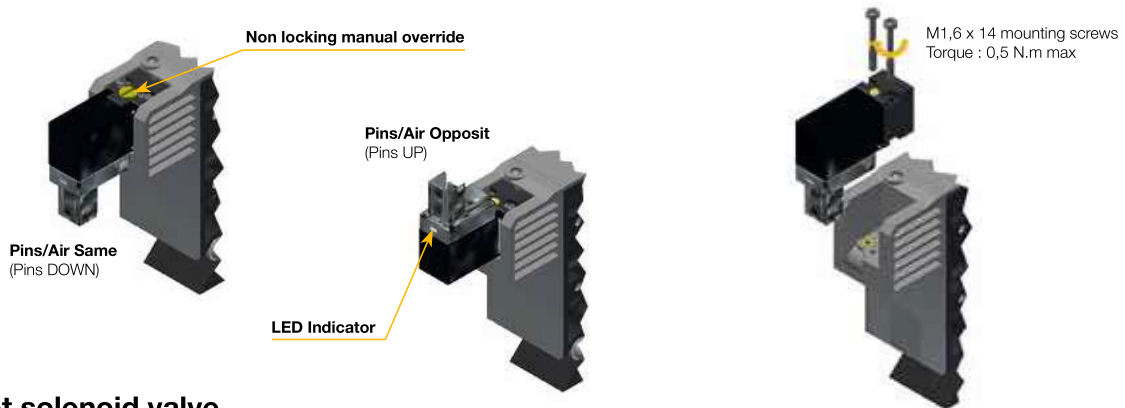
Symbol	Description	Connection	W (g)	Order code
	Dual 3/2 N.C. air spring return	Push-in 6mm	130	PVL-B215606
		Push-in 8mm	130	PVL-B215608
		G1/8"	130	PVL-B215618
	5/2 single acting spring return	Push-in 6mm	125	PVL-B211606
		Push-in 8mm	125	PVL-B211608
		G1/8"	125	PVL-B211618
	5/2 single acting air spring return	Push-in 6mm	125	PVL-B213606
		Push-in 8mm	125	PVL-B213608
		G1/8"	125	PVL-B213618
	5/2 Double acting	Push-in 6mm	120	PVL-B212606
		Push-in 8mm	120	PVL-B212608
		G1/8"	120	PVL-B212618
	5/3 Closed center (APB)	Push-in 6mm	130	PVL-B217606
		Push-in 8mm	130	PVL-B217608
		G1/8"	130	PVL-B217618
	5/3 Vented center	Push-in 6mm	130	PVL-B218606
		Push-in 8mm	130	PVL-B218608
		G1/8"	130	PVL-B218618
	5/3 Pressurised center	Push-in 6mm	130	PVL-B219606
		Push-in 8mm	130	PVL-B219608
		G1/8"	130	PVL-B219618

15mm DIN Form C (8mm spacing) pilot solenoid valve – Pin's UP or Pin's DOWN – must be ordered separately (Refer to 15 mm pilot valve section)


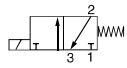
Pneumatic accessories

	Description	Size	Orientation	Material	Tube OD	W (g)	Order code		
 <p>3101 ...</p>	Push-in fitting for PVL-B2 Valve	G1/8"	Straight	Metal	4 mm	6	3101 04 10		
					6 mm	7	3101 06 10		
					8 mm	11	3101 08 10		
 <p>3169 ...</p> <p>3199 ...</p>			Elbow prolonged	Plastic	4 mm	8	3169 04 10		
					6 mm	11	3169 06 10		
					8 mm	18	3169 08 10		
					Elbow short	Plastic	4 mm	6	3199 04 10
							6 mm	6	3199 06 10
							8 mm	9	3199 08 10
 <p>3184 ...</p> <p>3182 ...</p>		6 mm	Elbow prolonged	Plastic	4 mm	2	3184 04 06		
					6 mm	4	3184 06 00		
			Elbow short	Plastic	4 mm	3	3182 04 06		
					6 mm	1	3182 06 00		
			8 mm	Elbow prolonged	Plastic	6 mm	7	3184 06 08	
						8 mm	10	3184 08 00	
Elbow short	Plastic	6 mm	7	3182 06 08					
		8 mm	10	3182 08 00					

PVL-B2 – 10 mm pilot solenoid valve options




10 mm pilot solenoid valve

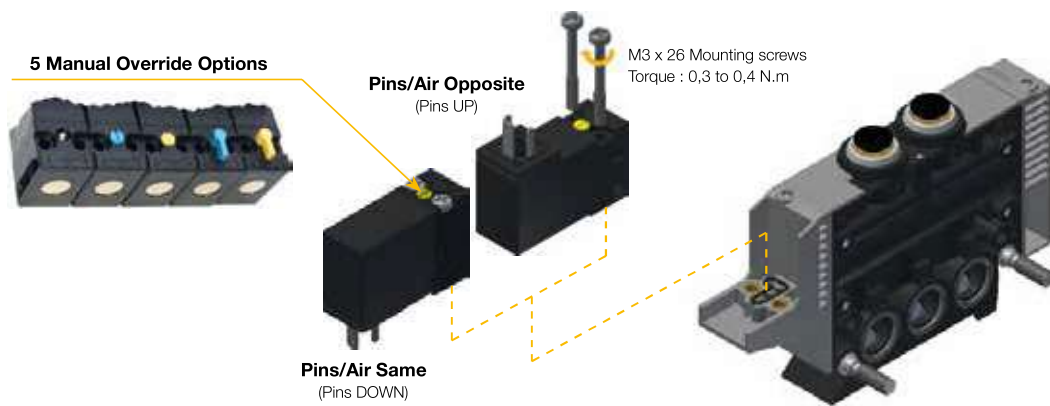
	Voltage	Electrical connection orientation	Manual Override	W (g)	Order code
 	24 Vdc	PINs /AIR same (PINs down)	Non-locking flush	20	P2D-KS32C1
		PINs/AIR opposit (PINs UP)	Non-locking flush	20	P2D-KV32C1

Other electrical connection orientations or low voltages DC on demand (can be subject to quantity)

10 mm Pilot solenoid valve electrical clip connector

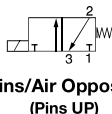
















Description	Connector type	Cable length	W (g)	Order code
 <p>Clip-on connector – IP40</p> <p>Individual : Including 2 flying leads</p> <p>Multiple : Including 1 common (0 Vdc) and 1 flying lead per connector</p>	1 clip connector	1 meter	8	P8LW021C
	2 clip connectors	1 meter	12	P8LW021C02
	4 clip connectors	1 meter	20	P8LW021C04
	8 clip connectors	1 meter	36	P8LW021C08

PVL-B2 – 15 mm pilot solenoid valve options



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

For use with 15mm pilot solenoid valve PVL-B2 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
 Pins/Air Same (Pins DOWN)	115 Vac 50Hz	38	 P2E-KV31F0	P2E-KV31F1	P2E-KV31F2	P2E-KV31F3	P2E-KV31F4
	120 Vac 60 Hz	38	 P2E-KV31J0	P2E-KV31J1	P2E-KV31J2	P2E-KV31J3	P2E-KV31J4
	230 Vac 50Hz	38	 P2E-KS32B0	P2E-KS32B1	P2E-KS32B2	P2E-KS32B3	P2E-KS32B4
	24 Vdc	38	 P2E-KS32C0	P2E-KS32C1	P2E-KS32C2	P2E-KS32C3	P2E-KS32C4
	48 Vdc	38	 P2E-KS32D0	P2E-KS32D1	P2E-KS32D2	P2E-KS32D3	P2E-KS32D4
	24 Vac 50Hz	38	 P2E-KS31C0	P2E-KS31C1	P2E-KS31C2	P2E-KS31C3	P2E-KS31C4
	48 Vac 50/60Hz	38	 P2E-KS34D0	P2E-KS34D1	P2E-KS34D2	P2E-KS34D3	P2E-KS34D4
	115 Vac 50Hz	38	 P2E-KS31F0	P2E-KS31F1	P2E-KS31F2	P2E-KS31F3	P2E-KS31F4
	120 Vac 60 Hz	38	 P2E-KS31J0	P2E-KS31J1	P2E-KS31J2	P2E-KS31J3	P2E-KS31J4
	230 Vac 50Hz	38	 P2E-KS31J0	P2E-KS31J1	P2E-KS31J2	P2E-KS31J3	P2E-KS31J4


Mounting screws included with the valve body

Pilot solenoid valve mounting screw

Description	Size	Material	W (g)	Order code
 Kit of 10 mounting screws	M23 x 26	Steel	20	P2E-KP026PM3


Cable plugs 15 mm - IP65

(8 mm pin spacing)

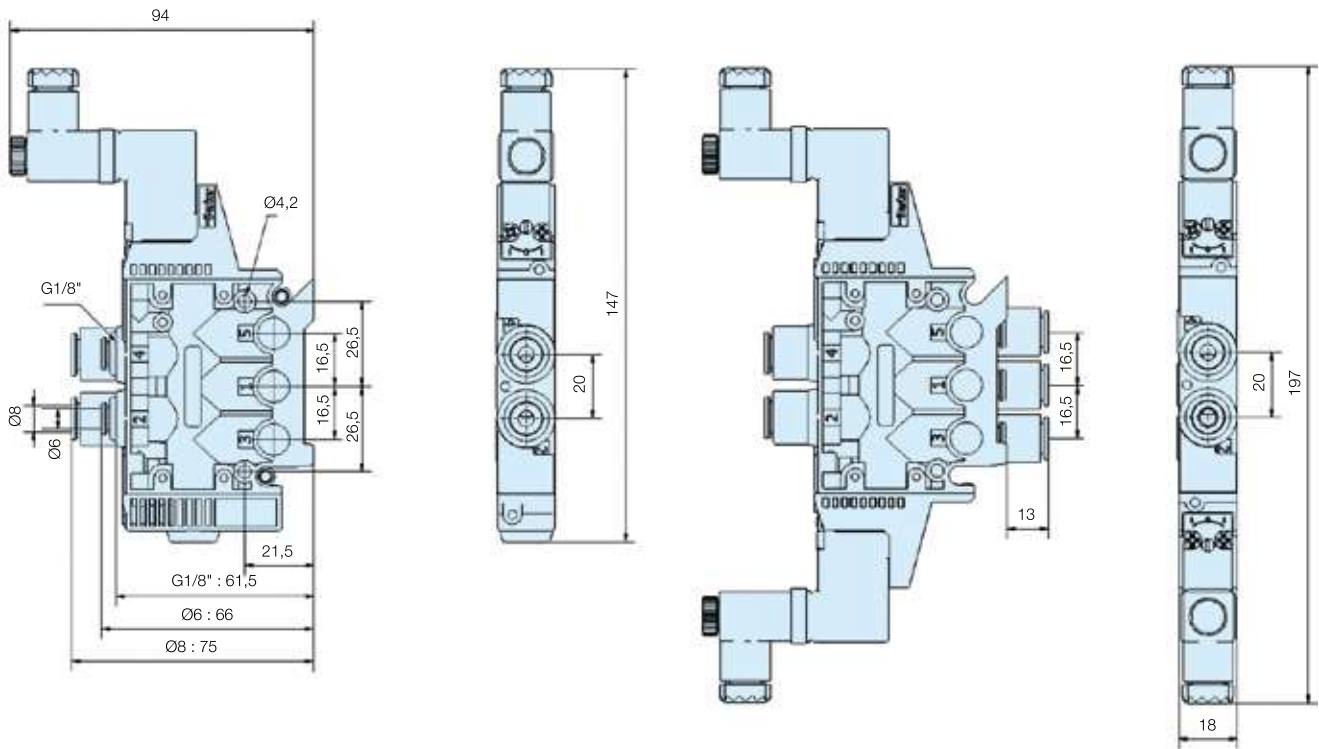
Description	Electrical protection	Cable length	W (g)	Order code
	 Standard screw	No protection	No cable	11
		2 meter	97	P8L-C2
		5 meter	228	P8L-C5
LED + Protection 24 VDC		No cable	11	P8C-D26C
LED + Protection 24 VDC/AC		2 meter	97	P8L-C226C
		5 meter	229	P8L-C526C

Suppressor and LED indicators

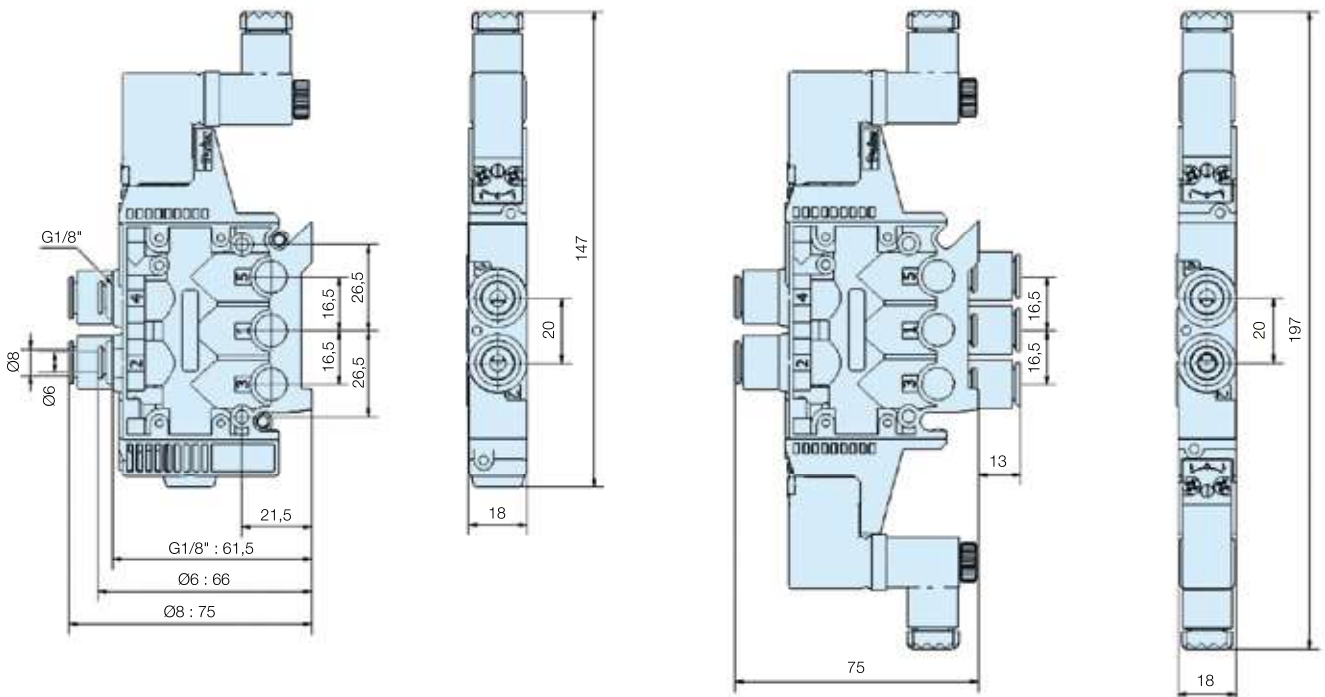
For 8 mm solenoid pin spacing - For mounting between the solenoid valve and the cable plug

Symbol	Description	Pneumatic connection	W (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

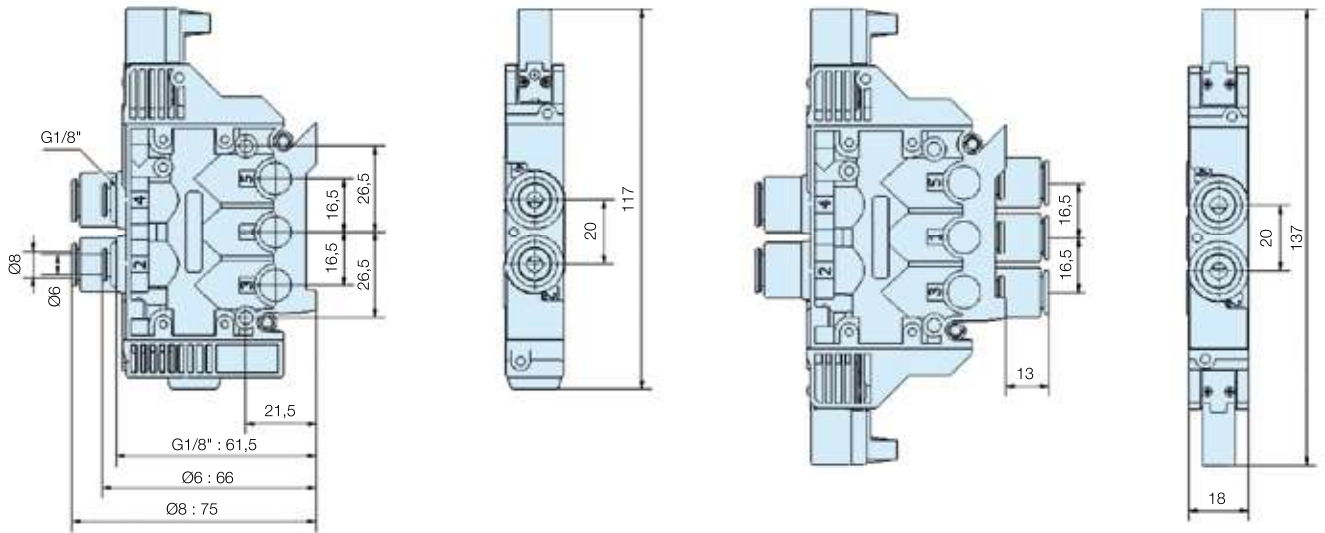
PVL-B21 (Stand-alone) & PVL-B22 (Stackable) – with 15 mm pilot solenoid valve – Pins UP



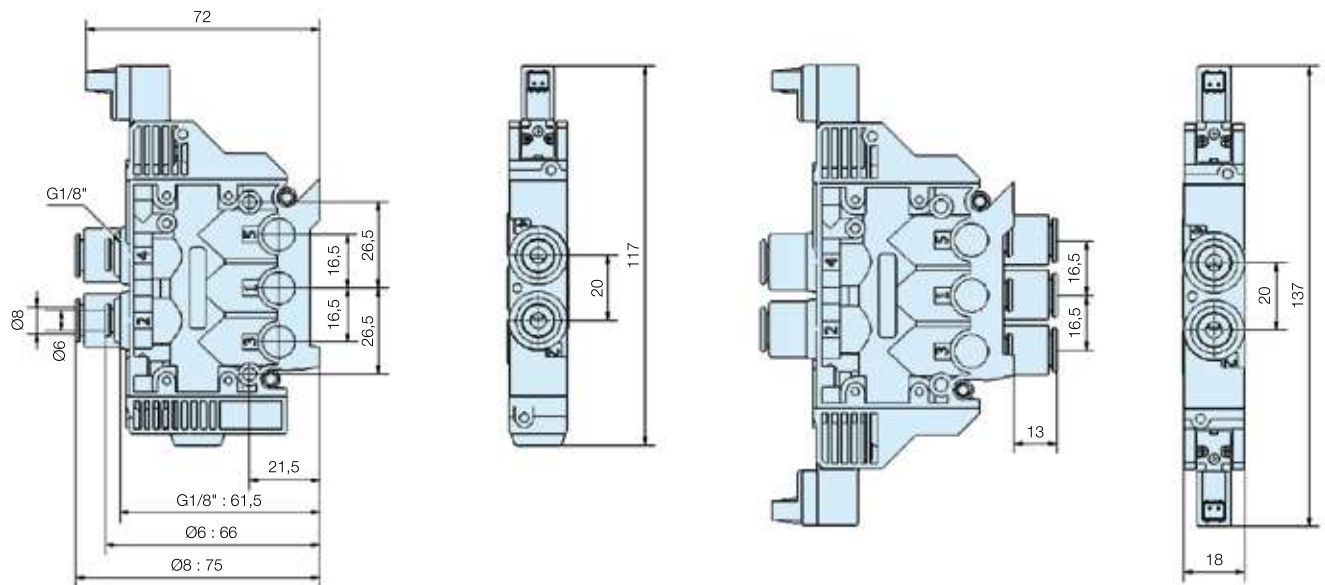
PVL-B21 (Stand-alone) & PVL-B22 (Stackable) – with 15 mm pilot solenoid valve – Pins DOWN



PVL-B21 (Stand-alone) & PVL-B22 (Stackable) – with 10 mm pilot solenoid valve – Pins DOWN

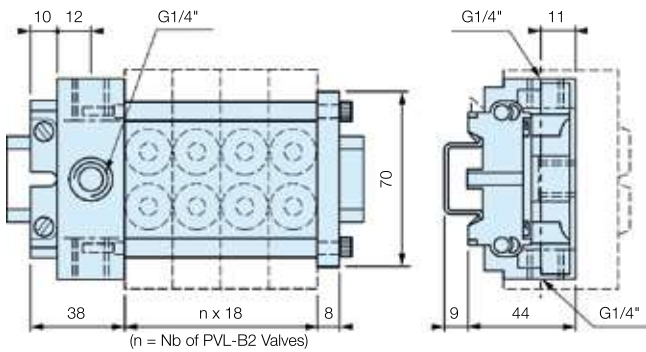


PVL-B21 (Stand-alone) & PVL-B22 (Stackable) – with 10 mm pilot solenoid valve – Pins UP

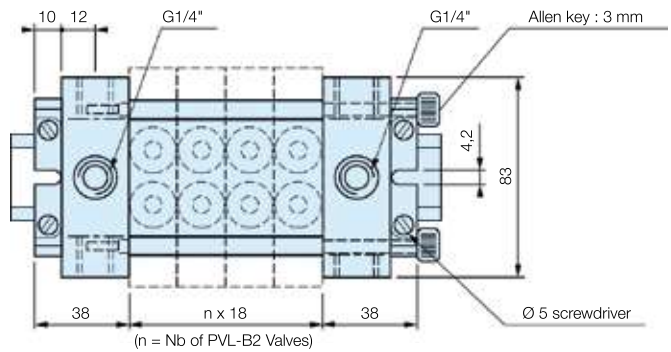


PVL-B22 (Stackable) – Head and Tail sets – DIN rail mounting

Single air supply – PVL-B1719

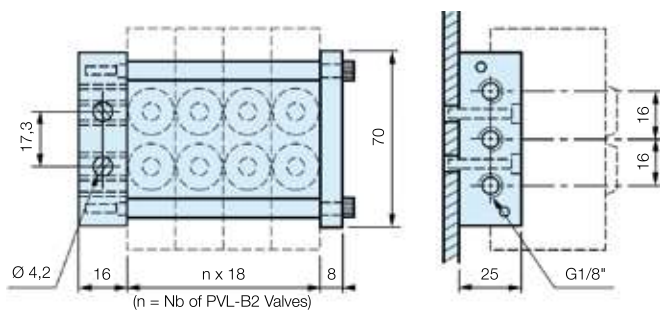


Dual air supply – PVL-B1729

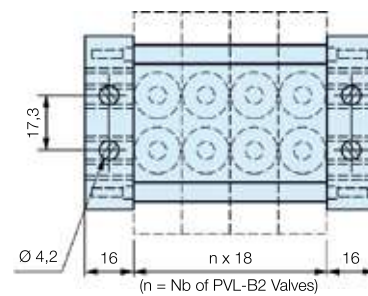


PVL-B22 (Stackable) – Head and Tail sets – Surface mounting

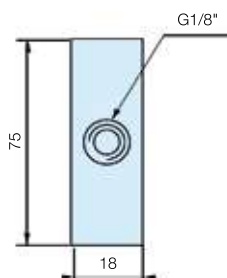
Single air supply – PVL-B1818



Dual air supply – PVL-B1828



PVL-B22 (Stackable) – Intermediate supply module – PVU-LBB118



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

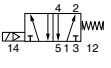
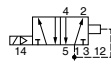
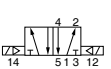
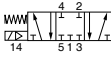

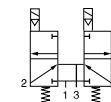
Working pressure;
 Pneumatically operated: 2-10 bar
 Electrically operated, bistable: 2-10 bar
 Electrically operated, monostable: 3-10 bar
 Working temperature -15 °C to +60 °C

	PVL-B	PVL-C
Flow (Qmax):	900 l/min	1800 l/min
Flow Qn:	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	PVL-B	G1/4	175	PVL-B1719
		head and tail set	PVL-C	G3/8	195	PVL-C1713
		Dual air supply	PVL-B	G1/4	245	PVL-B1729
		head and tail set	PVL-C	G3/8	285	PVL-C1723
	Surface	Single air supply	PVL-B	G1/8	200	PVL-B1818
		head and tail set	PVL-C	G1/4	225	PVL-C1819
		Dual air supply	PVL-B	G1/8	260	PVL-B1828
		head and tail set	PVL-C	G1/4	280	PVL-C1829
	On DIN rail	Intermediate	PVL-B	G1/8	150	PVU-LBB118
		supply module	PVL-C	G1/4	200	PVU-LCC119
	On DIN rail	Kit for stacking	PVL-C/B	G1/4-G1/8	640	PVU-LCB119
		PVL-B & PVL-C				
		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

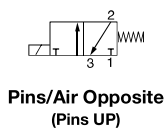
For use with PVL-B and PVL-C valve body

	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	
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	




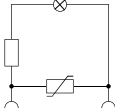
Cable plugs 15 mm - IP65

(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 No LED version	LED + Protection 24 VDC	No cable	11	P8C-D26C
	LED version	LED + Protection 24 VDC/AC	2 m cable	97	P8L-C226C
			5 m cable	229	P8L-C526C

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

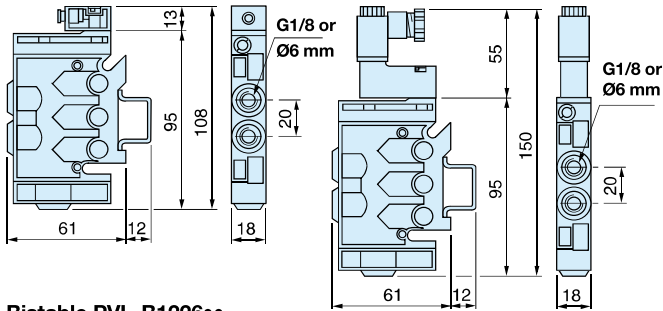
Spare mounting and assembly kits

	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				

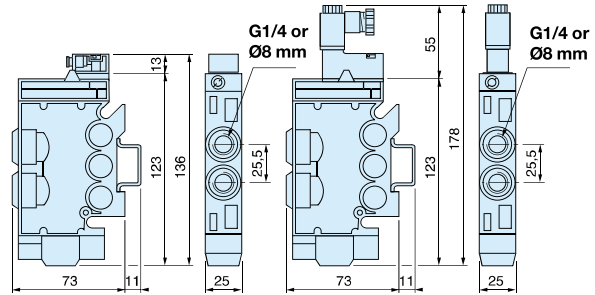
Dimensions, PVL valve Series

All dimensions in mm unless otherwise stated

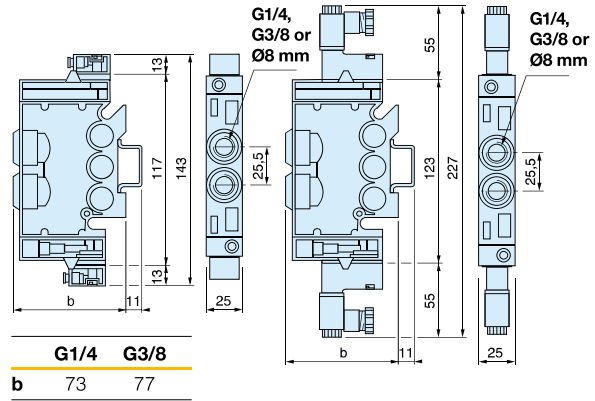
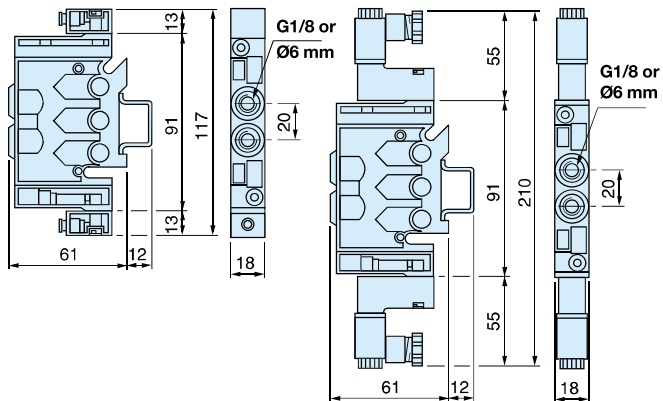
Stacking power valves 1/8" with pneumatic or electrical piloting - Monostable PVL-B1216••, PVL-B1236••



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

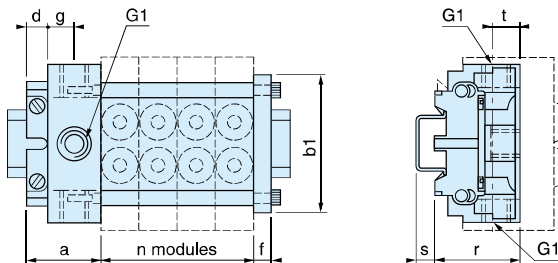


Bistable PVL-B1226••

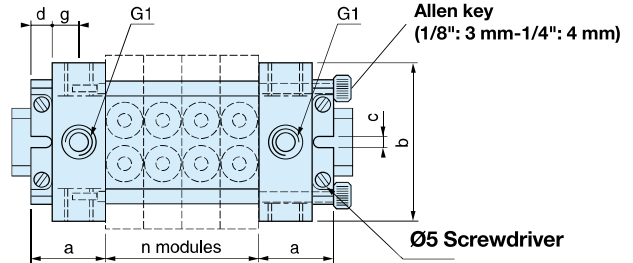


Head and tail sets

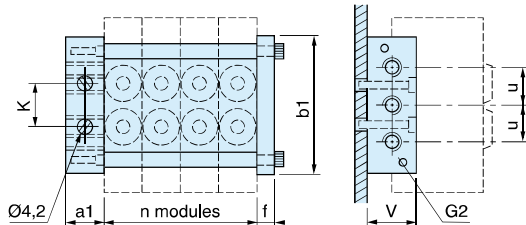
**Single air supply
PVL-B1719, PVL-C1713, mounting on DIN rail**



**Dual air supply
PVL-B1729, PVL-C1723, mounting on DIN rail**

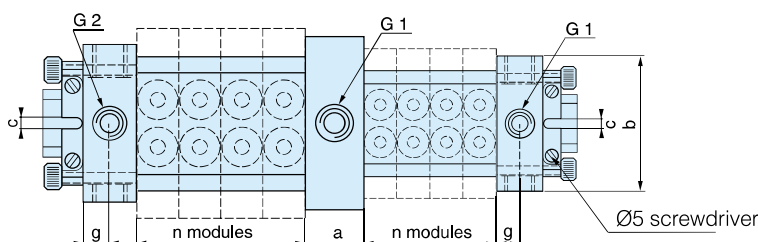


**Single air supply
PVL-B1818, PVL-C1819, "stack mounting"**

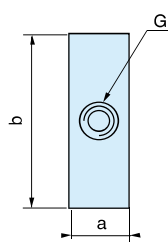


	a	a1	b	b1	c	d	f	g	G1	G2	k	r	s	t	u	v
1/8"	38	16	83	70	4,2	10	8	12	1/4"	1/8"	17,3	44	9	11	16	25
1/4"	38	20	108	100	4,2	10	8	12	3/8"	1/4"	63,5	55	9	13	20	30

**"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



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	

 **For ATEX specific products contact Sales Office**

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	PSM-B12
Without manual override	

Step module subbase



	Order code
Subbase	PSB-A12
Additional interlock	PSV-A12

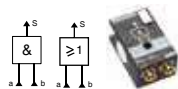
Set of head and tail modules and deviation modules



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

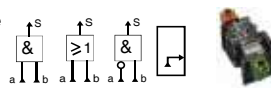
Logic elements

Line mounted elements



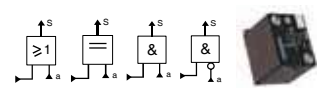
Logic Function	Order code
AND	PLL-A11
OR	PLK-A11
Clip on Din-rail	PZM-L199

Combinable elements



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

Subbase mounted elements



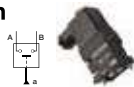
Logic Function	Order code
AND	PLL-C10
NOT inhibit standard	PLN-C10
NOT inhibit threshold	PLN-D10
OR	PLK-C10
YES regenerated	PLJ-C10

3 port subbase to be ordered separately.

Logic relays

Pressure switch

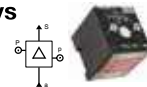
To be used with 3 port subbase



	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

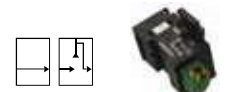
To be mounted on 3 port subbase



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

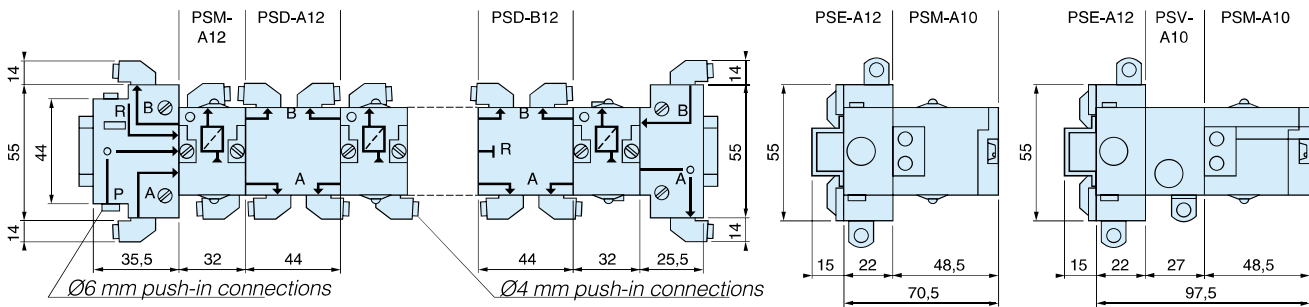


	Order code
Input module	PZU-E12
3 port "common input"	PZU-A12
3 port "cascade"	PZU-C12
4 port subbase*	PZU-B12

* For combination with memory relay and amplified relay.

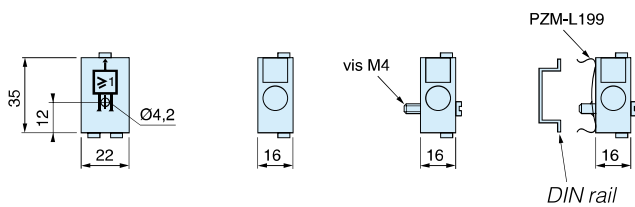
Dimensions, Logic processing

Modular sequencer



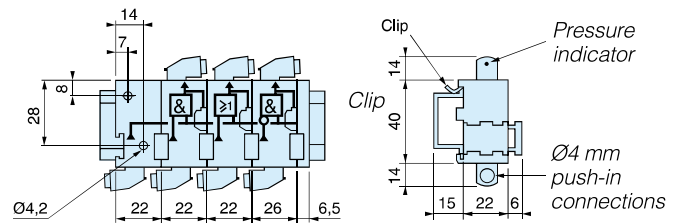
Line mounted logic elements

PLL-A11 and PLK-A11



Combinable logic elements

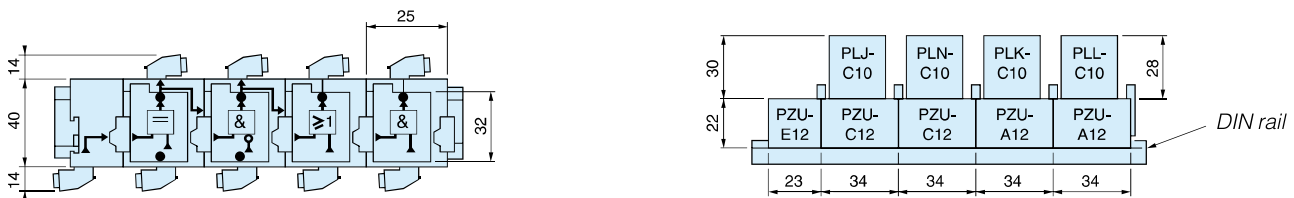
PLE-B12 — PLL-B12 — PLK-B12 and PLN-B12



Logic elements mounted on 3-port modular subbases

PZU-E12

PLJ-C10 — PLN-C10 — PLK-C10 and PLL-C10 mounted on PZU-C12 and PZU-A12

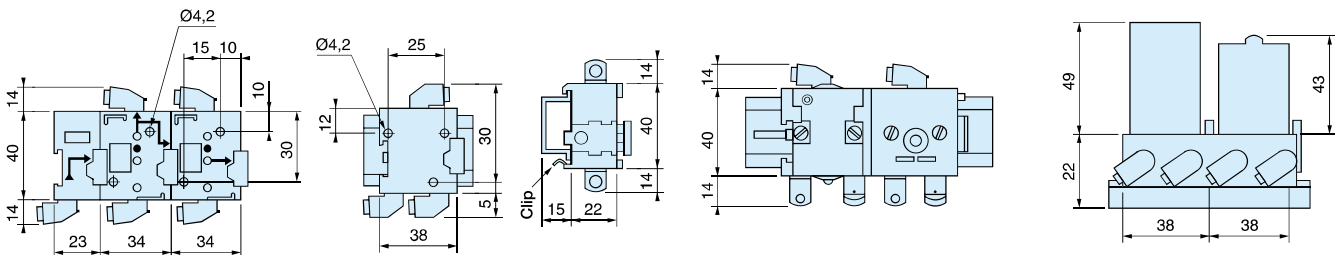


3 and 4-port modular subbases

PZU-E12 — PZU-C12 — PZU-A12 PZU-B12

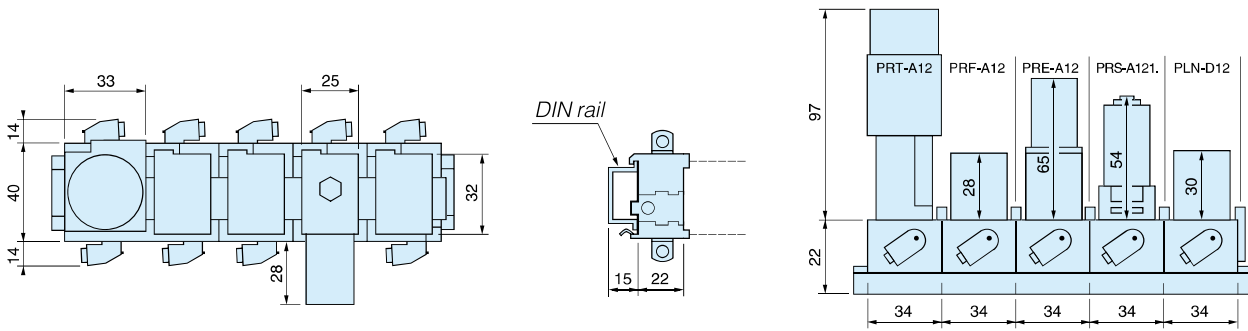
Relays mounted on 4-port modular subbases

PLM-A12 and PRD-A12



Relays mounted on 3-port modular subbases

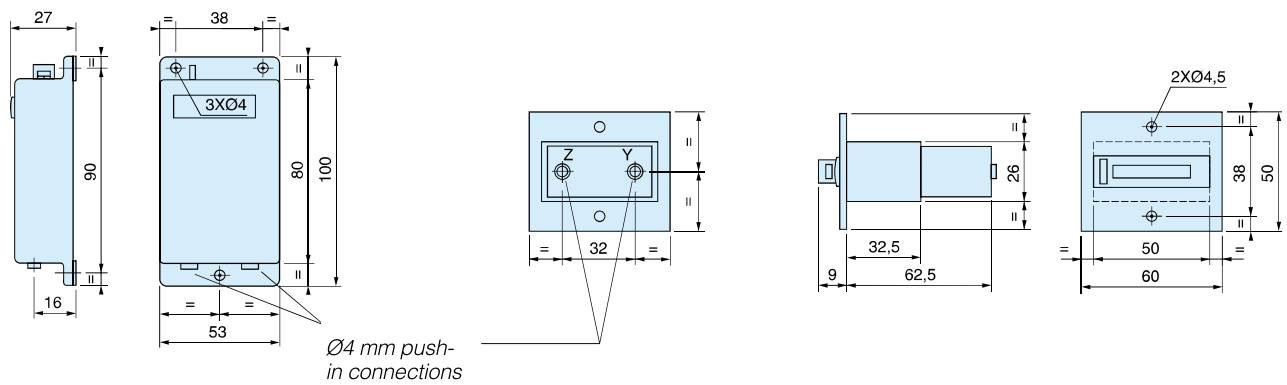
PRT-A12 — PRF-A12 — PRE-A12 — PRS-A121 and PLN-D12



Totalising counters

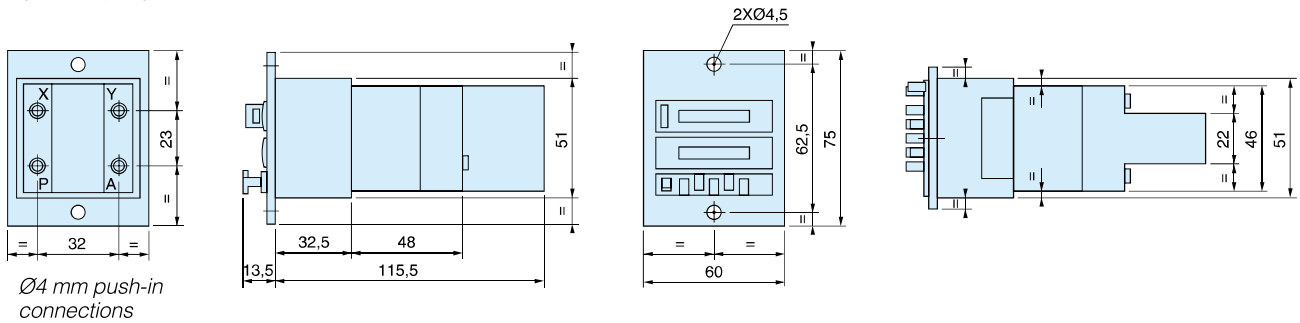
PCT-A11

PCT-B11



Digital display timers

PCM-A11 to PCM-B11



Timers with calibrated dial

PCM-F11 and PCM-G11

