

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

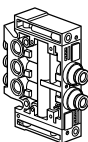

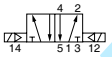
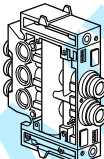

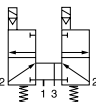
Working pressure;
Pneumatically operated: 2-10 bar
Electrically operated, bistable: 2-10 bar
Electrically operated, monostable: 3-10 bar
Working temperature -15 °C to +60 °C

| | 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 | 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 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 | | | | |

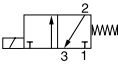







Air-pilot actuator for PVL-B and PVL-C valve

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 |



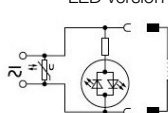
15mm DIN Form C (8mm spacing) pilot solenoid valve

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

| Manual Overrides | | | Flush (Not Extended) | | Extended | | |
|---|-------------------------------|--|-------------------------------|-----------------------------|-------------------------------|-----------------------------|--|
| Voltage | W (g) | Without Manual Override | Blue Override, non locking | Yellow Override, Locking | Blue Override, non locking | Yellow Override, Locking | |
| | | 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 | |
|  Pins/Air Opposite (Pins DOWN) | 48 Vac 50/60Hz | 38  P2E-KV34D0 | P2E-KV34D1 | P2E-KV34D2 | P2E-KV34D3 | P2E-KV34D4 | |
| | 115 Vac 50Hz | 38  P2E-KV31F0 | P2E-KV31F1 | P2E-KV31F2 | P2E-KV31F3 | P2E-KV31F4 | |
| | 120 Vac 60 Hz | | | | | | |
| | 230 Vac 50Hz 240 Vac 60 Hz | 38 P2E-KV31J0 | P2E-KV31J1 | P2E-KV31J2 | P2E-KV31J3 | P2E-KV31J4 | |


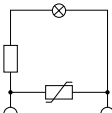
Cable plugs 15 mm - IP65

(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 version  | LED + Protection 24 VDC | No cable | 11 | P8C-D26C |
| | | 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 |

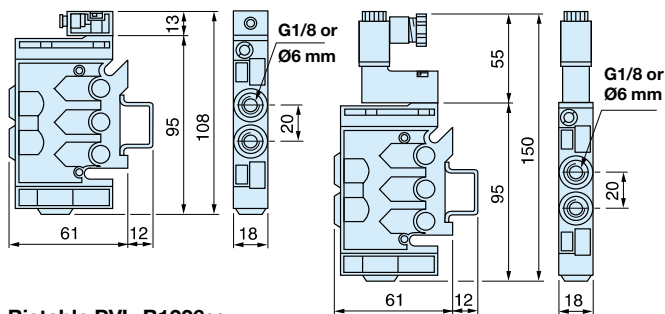
Spare mounting and assembly kits

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

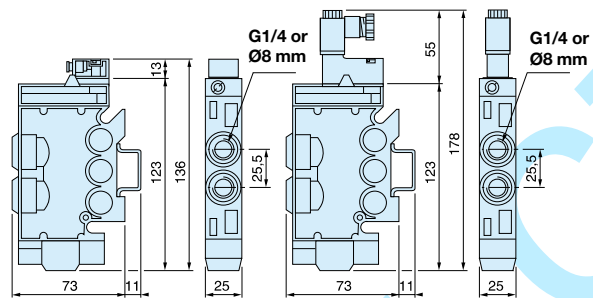
Dimensions, PVL valve Series

All dimensions in mm unless otherwise stated

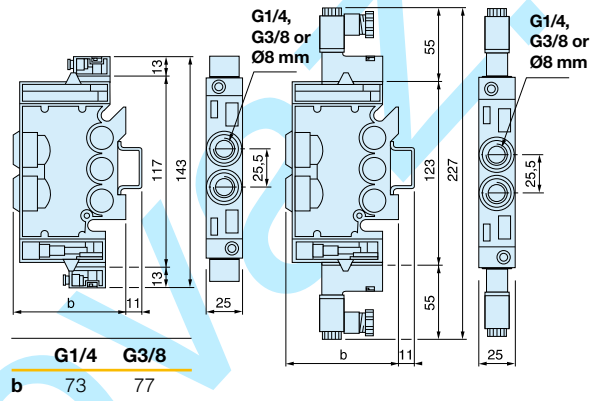
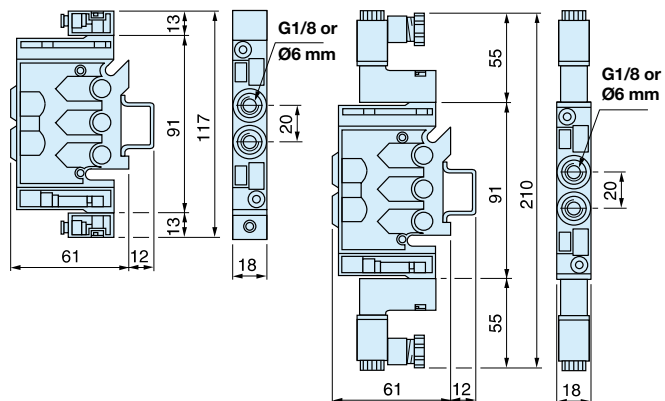
Stacking power valves 1/8" with pneumatic or electrical piloting - Monostable PVL-B1216••, PVL-B1236••



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



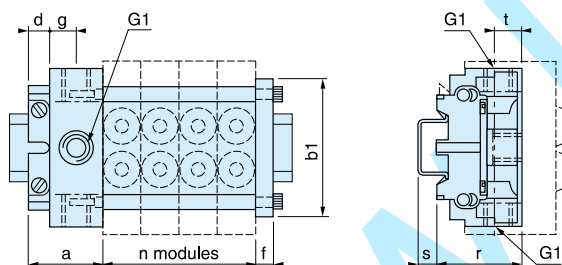
Bistable PVL-B1226••



Head and tail sets

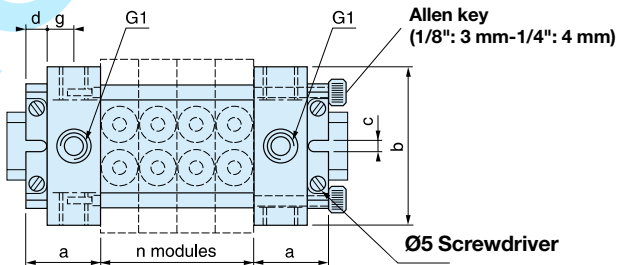
Single air supply

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



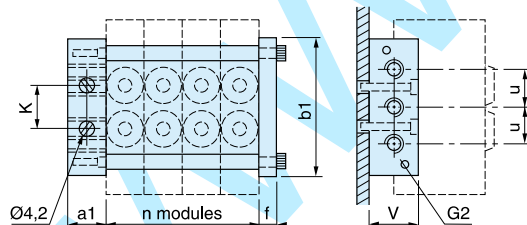
Dual air supply

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



Single air supply

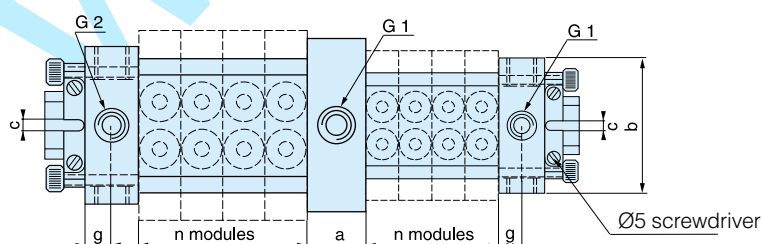
PVL-B1818, PVL-C1819, "stack mounting"



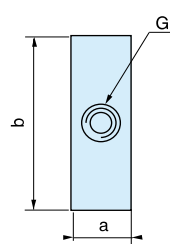
| | a | a1 | b | b1 | c | d | f | g | G1 | G2 | k | r | s | t | u | v |
|------|----|----|-----|-----|-----|----|---|----|------|------|------|----|---|----|----|----|
| 1/8" | 38 | 16 | 83 | 70 | 4,2 | 10 | 8 | 12 | 1/4" | 1/8" | 17,3 | 44 | 9 | 11 | 16 | 25 |
| 1/4" | 38 | 20 | 108 | 100 | 4,2 | 10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