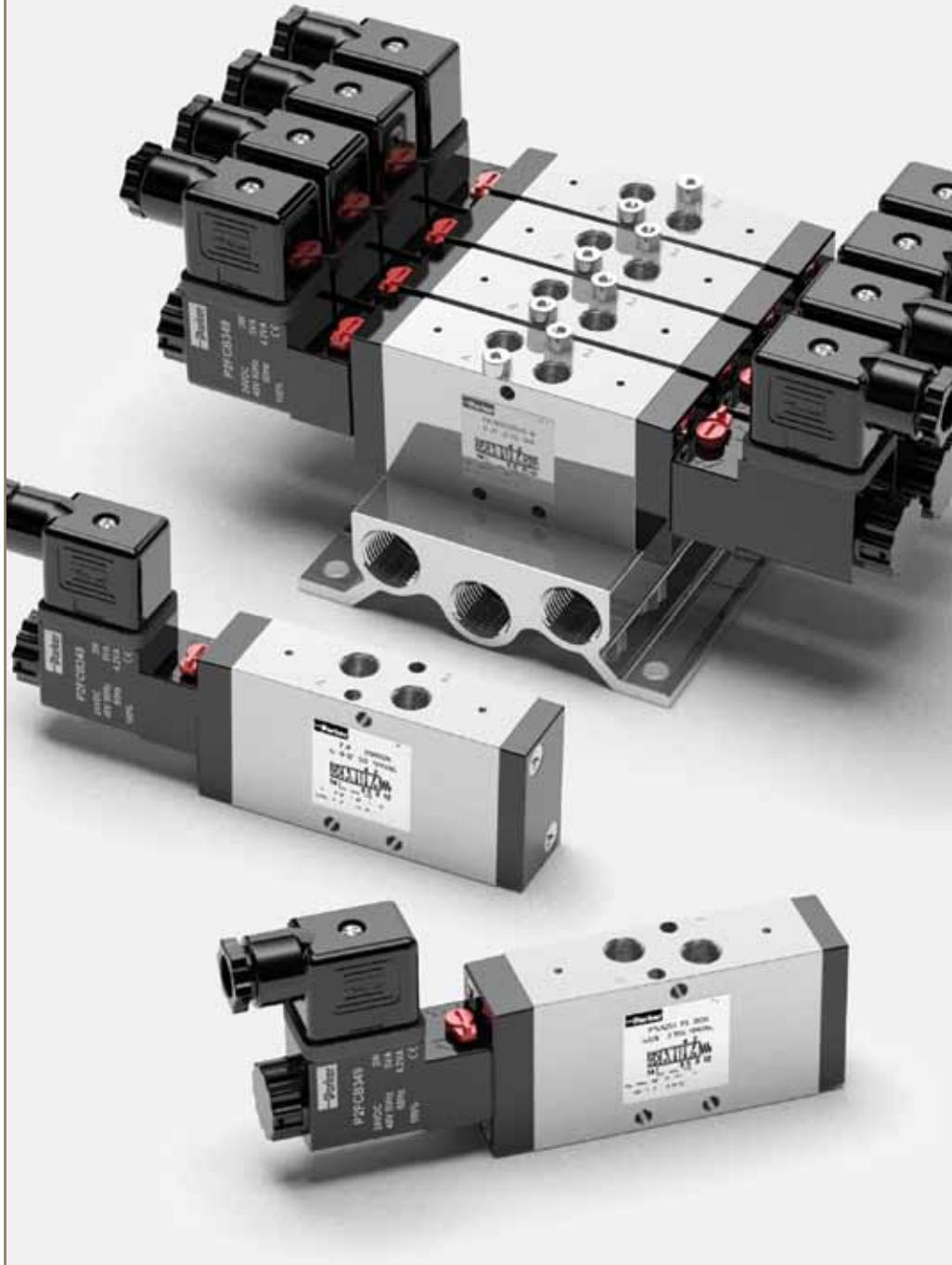




aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
**pneumatics**  
process control  
sealing & shielding



# Pneumatic Valves Viking Lite Series

G1/8 - G3/8 body ported

Catalogue PDE2658TC-ASIA November 2011



ENGINEERING YOUR SUCCESS.

Material Specification.....	3 - 6
Flow Characteristics.....	7
Main Data Electrically Actuated Directional Control Valves.....	8
Dimensions - P2LAZ / P2LBZ / P2LCZ.....	9 - 14
P2LA, Accessory Order Codes .....	16
P2LB, Accessory Order Codes .....	15 - 17
Manifold Dimensions.....	15 - 17
Solenoid Valves - 22mm.....	18
Solenoid Valves Technical Data - 22mm.....	19
Solenoid Connectors + Cable Plugs.....	19

**Important !**

Before carrying out any service work, ensure that the valve and manifold have been vented.  
Remove the primary supply air hose to ensure total disconnection of the air supply before dismantling valves or blank connection blocks.

**NB !**

All technical data in this catalogue is typical only.  
The air quality is decisive for the valve life:  
see ISO 8573.

**WARNING**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met. The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

**SALE CONDITIONS**

*The items described in this document are available for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. Any sale contract entered into by Parker will be governed by the provisions stated in Parker's standard terms and conditions of sale (copy available upon request).*

# Viking Lite ...

**robust, versatile high performance  
with long service life**

The Viking Lite valve range is robust, versatile and combines high performance with compact installation dimensions. Large flow capacity, short change-over times and low change-over pressure are important characteristics of this valve range.

Designed to operate with pressures up to 10 bar in temperatures -10°C to + 50°C.

## Viking Lite range

**P2LAZ, G1/8 - Cv = 0,6**

**P2LBZ, G1/4 - Cv = 1,5**

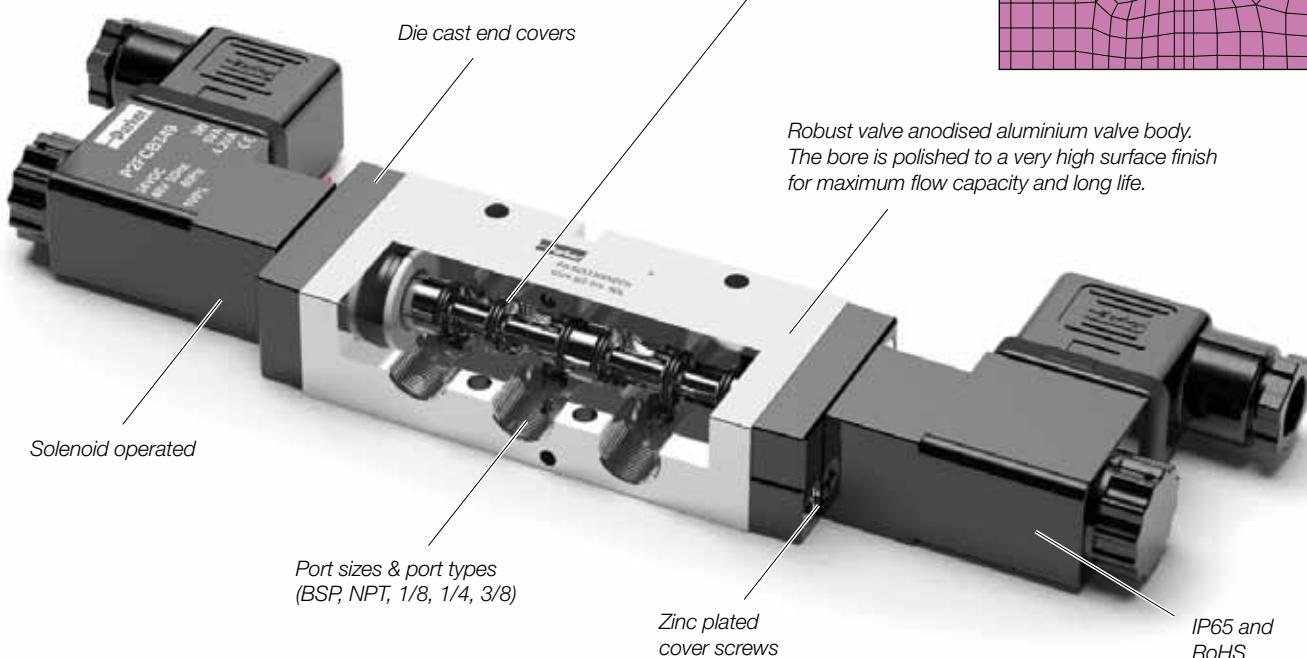
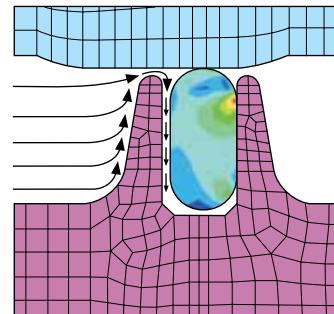
**P2LCZ, G3/8 - Cv = 2,5**

### Wear compensating system

The Viking Lite valve range is robust, versatile and combines high performance with compact installation dimensions. The choice of G1/8, G14 or G3/8 port sizes provide large flow capacity, short change-over times. Low change-over pressure is also an important characteristic of this valve range.

Viking Lite valves are fitted with dynamic bi-directional spool seals suitable for pressures up to 10 bar, in ambient temperatures -10°C to + 50°C. Under pressure radial expansion of the seal occurs to maintain sealing contact with the valve bore.

This sealing method reduces friction gives lower pilot pressures, providing fast response and less wear. Valves do not require lubrication in operation but they can also be installed in systems that are lubricated.



# Viking Lite ...

rust and corrosion resistant,  
high reliability with flexible installation



#### Rust and corrosion resistant designs.

Viking Lite valves are made of anodized aluminium, for good corrosion resistance. The smooth design, with no dirt-collecting pockets, makes the valve suitable for most environments.



#### High reliability

Viking Lite valves easily comply with the requirements for the component reliability in accordance with EU Machinery Directive standards EN292-2 and EN983. The valves are designed for use with or without supplementary lubrication.

#### Compact installation dimensions - flexible installation

Compact dimensions direct body porting and integral mounting holes are all features of the Viking Lite range. In addition to single valve installation, the Viking Lite valves may be installed on manifolds so that the valves have a common supply and manifolded exhausts.

#### Manifold bar installation

A manifold bar, with common ducts for ports 1, 3 and 5 gives simple, time saving and easily serviced installation. Manifold bars are available in several different sizes, with space for between 2 and 14 valves.

#### Pressure bar installation

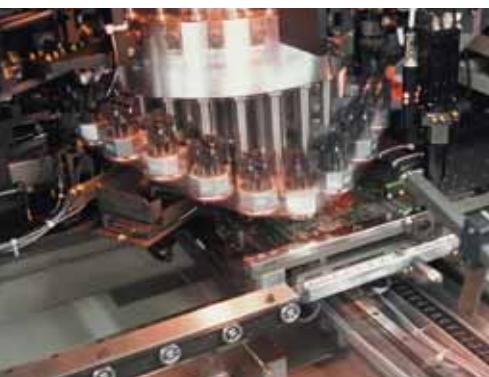
A pressure bar for common primary air supply gives a simple, robust, time saving and easily serviced installation. When pressure bars are used, restrictor-silencers can be installed in the exhaust ports of each valve, for individual adjustment of cylinder/air motor speed. Pressure bars are available in a number of different sizes, with space ranging from 2 to 10 valves.

#### Extreme applications

For extreme applications, -40 degrees and up to 16 bar pressure use

#### VikingXtreme valves :

see catalogue PDE2569TCUK



## Working medium, air quality

Working medium: Dry, filtered compressed air to ISO 8573-1 class 3.4.3.

### Recommended air quality for valves

For best possible service life and trouble free operation, ISO 8573-1 quality class 3.4.3 should be used. This means 5µm filter (standard filter) dew point +3°C for indoor operation (a lower dew point should be selected for outdoor operation) and oil concentration 1.0 mg oil/m<sup>3</sup>, which is what a standard compressor with a standard filter gives.

### ISO 8573-1 quality classes

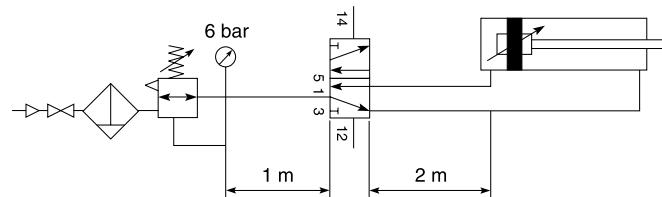
Quality class	Pollution particle size (µm)	max. concentration (mg/m <sup>3</sup> )	Water max. press. dew point (°C)	Oil max. concentration (mg/m <sup>3</sup> )
<b>1</b>	0,1	0,1	-70	0,01
<b>2</b>	1	1	-40	0,1
<b>3</b>	5	5	-20	1,0
<b>4</b>	15	8	+3	5,0
<b>5</b>	40	10	+7	25
<b>6</b>	-	-	+10	-

### Typical cylinders speeds which can be achieved with Viking valves and different tube sizes.

In the chart below you can find the suitable valves, tubes etc. for each cylinder size. If you have a tube length over 2 m, choose one tube size larger than in the chart.

Following data is valid:

Supply pressure : min 7,0 bar  
 Regulator pressure setting : 6,0 bar  
 Pipe length between air treatment unit and valve : max 1 m  
 Pipe length between valve and cylinder : max 2 m



Cylinder bore	<20	20-32	40-50	63	80	100	125
<b>Cylinder port</b>	M5	G1/8	G1/4	G3/8	G3/8	G1/2	G1/2
<b>Tubing Ext/Int</b>	4/2.7	6/4	8/6	10/8	10/8	12/9	14/11
			6/4	8/6	12/9	14/11	
<b>P2LAZ</b>	G1/8	G1/8	G1/8	G1/8	G1/8		
<b>P2LBZ</b>	G1/4	G1/4	G1/4	G1/4	G1/4	G1/4	
<b>P2LCZ</b>			G3/8	G3/8	G3/8	G3/8	G3/8

Cylinder speed < 0,5 m/s

Cylinder speed < 1 m/s

Oversized

Cylinder speed > 1 m/s

## Material specification

### P2LAZ

#### Valve

Valve body	Anodised aluminium
End covers	Anodised aluminium
Spool	Aluminium
Piston	Acetal plastic/ Anodised aluminium
End cover sealings	Nitrile rubber
End cover screws	Zinc plated steel
Springs	Stainless steel
Mounting screws for solenoid	Stainless steel
Spool seals	Nitrile

#### Accessories

Manifold bar	Anodised aluminium
Pressure bar	Anodised aluminium

### P2LBZ

#### Valve

End cover sealings	Nitrile rubber
End cover screws	Zinc plated steel
Spool seals	Nitrile

#### Accessories

Manifold bar	Anodised aluminium
Pressure bar	Anodised aluminium

### P2LCZ

#### Valve

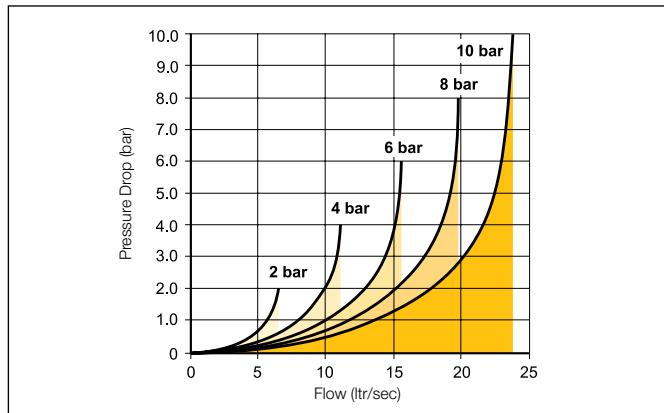
Valve body	Anodised aluminium
End covers	Anodised aluminium
Spool	Aluminium
Piston	Acetal plastic/ Anodised aluminium
End cover sealings	Nitrile rubber
End cover screws	Zinc plated steel
Springs	Stainless steel
Mounting screws for solenoid	Stainless steel
Spool seals	Nitrile

**Flow characteristics**

Flow capacities in accordance with ISO6358

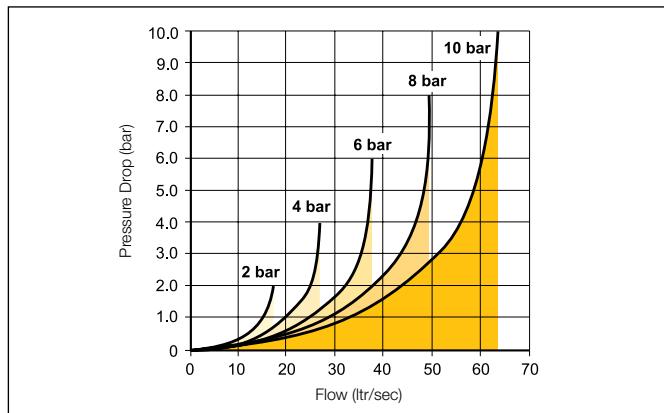
All pressures = effective pressure

The curves in the diagram below are typical only

**Technical Data P2LAZ**

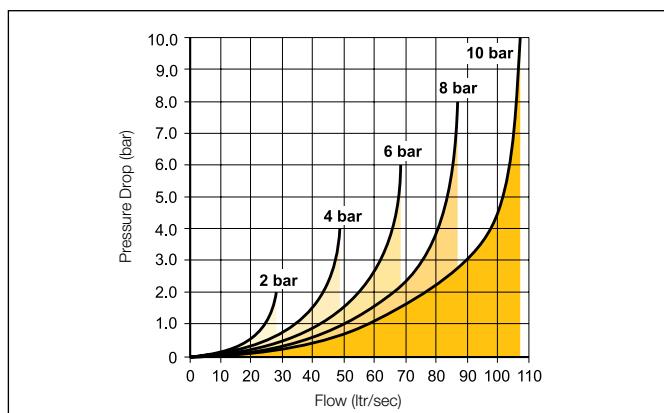
Port size  
Maximum Operating pressure  
Working temperature.  
Flow (acc. to ISO 6358)

G1/8  
10 bar  
-10°C to + 50°C  
 $c = 2,2 \text{ NI/s} \times \text{bar}$   
 $b = 0,3$   
 $Q_n = 10,1 \text{ l/s}$   
 $Q_{max} = 15,6 \text{ l/s}$   
 $C_v = 0,6$

**Technical Data P2LBZ**

Port size  
Maximum Operating pressure  
Working temperature.  
Flow (acc. to ISO 6358)

G1/4  
10 bar  
-10°C to + 50°C  
 $c = 5,4 \text{ NI/s} \times \text{bar}$   
 $b = 0,3$   
 $Q_n = 24,6 \text{ l/s}$   
 $Q_{max} = 37,8 \text{ l/s}$   
 $C_v = 1,5$

**Technical Data P2LCZ**

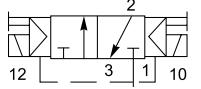
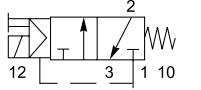
Port size  
Maximum Operating pressure  
Working temperature.  
Flow (acc. to ISO 6358)

G3/8  
10 bar  
-10°C to + 50°C  
 $c = 9,7 \text{ NI/s} \times \text{bar}$   
 $b = 0,3$   
 $Q_n = 41,5 \text{ l/s}$   
 $Q_{max} = 68,3 \text{ l/s}$   
 $C_v = 2,5$

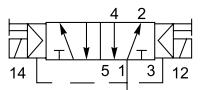
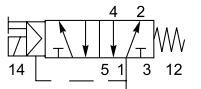
## Solenoid operated directional control valves

Internal supply to solenoid valve(s) via port 1.

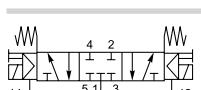
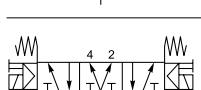
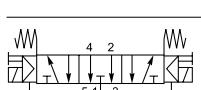
### 3/2 valves, internal air, standard temperature

Symbol	Size	Actuation	Return	Min Operating Pressure (bar)	Changeover time (ms) at 6 bar @20°C actua./return	Weight Kg	Order code Without coil	Order code With 24V DC (22mm coil)
	G1/8	Electric signal	Electric signal	1,5	10/10	0,18	P2LAZ311EENDCN	P2LAZ311EENDCB49
	G1/4			1,5	12/12	0,18	P2LBZ312EENDCN	P2LBZ312EENDCB49
	G3/8			1,5	17/17	0,36	P2LCZ313EENDCN	P2LCZ313EENDCB49
	G1/8	Electric signal	Spring	3,0	15/35	0,16	P2LAZ311ESNDCN	P2LAZ311ESNDCB49
	G1/4			3,0	18/45	0,16	P2LBZ312ESNDCN	P2LBZ312ESNDCB49
	G3/8			3,0	27/75	0,35	P2LCZ313ESNDCN	P2LCZ313ESNDCB49

### 5/2 valves, internal air, standard temperature

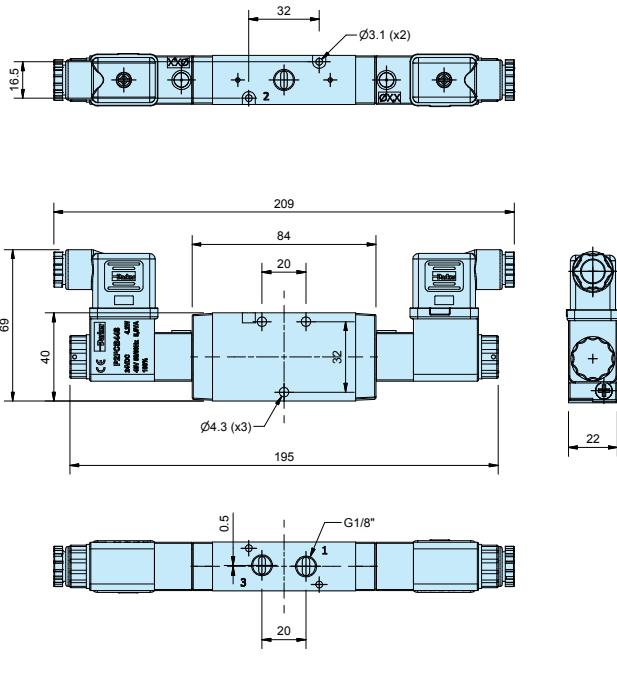
Symbol	Size	Actuation	Return	Min Operating Pressure (bar)	Changeover time (ms) at 6 bar @20°C actua./return	Weight Kg	Order code Without coil	Order code With 24V DC (22mm coil)
	G1/8	Electric signal	Electric signal	1,5	10/10	0,19	P2LAZ511EENDCN	P2LAZ511EENDCB49
	G1/4			1,5	12/12	0,21	P2LBZ512EENDCN	P2LBZ512EENDCB49
	G3/8			1,5	17/17	0,44	P2LCZ513EENDCN	P2LCZ513EENDCB49
	G1/8	Electric signal	Spring	3,0	15/35	0,17	P2LAZ511ESNDCN	P2LAZ511ESNDCB49
	G1/4			3,0	18/45	0,20	P2LBZ512ESNDCN	P2LBZ512ESNDCB49
	G3/8			3,0	27/75	0,43	P2LCZ513ESNDCN	P2LCZ513ESNDCB49

### 5/3 valves, internal air, standard temperature

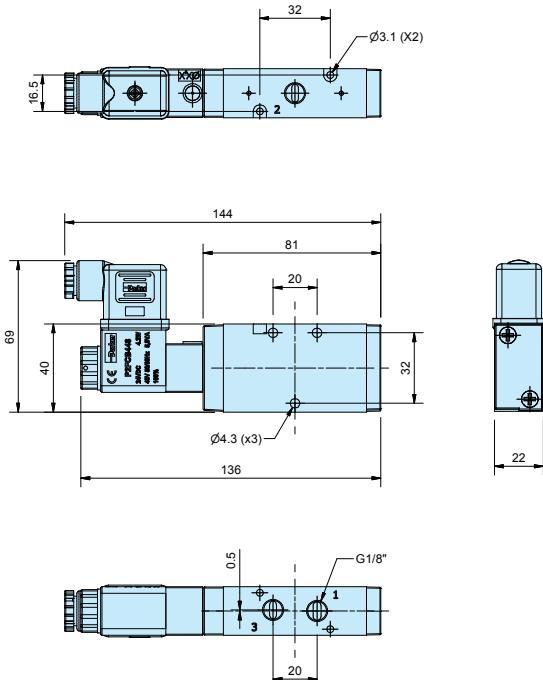
Symbol	Size	Actuation	Min Operating Pressure (bar)	Changeover time (ms) at 6 bar @20°C actua./return	Weight Kg	Order code Without coil	Order code With 24V DC (22mm coil)	
	G1/8	Self centring	3,0	18/40	0,26	P2LAZ611EENDCN	P2LAZ611EENDCB49	
	G1/4		Closed	3,0	22/55	0,28	P2LBZ612EENDCN	P2LBZ612EENDCB49
	G3/8		Centre	3,0	30/90	0,60	P2LCZ613EENDCN	P2LCZ613EENDCB49
	G1/8	Self centring	3,0	18/40	0,26	P2LAZ711EENDCN	P2LAZ711EENDCB49	
	G1/4		Presurised	3,0	22/45	0,28	P2LBZ712EENDCN	P2LBZ712EENDCB49
	G3/8		Centre	3,0	30/90	0,60	P2LCZ713EENDCN	P2LCZ713EENDCB49
	G1/8	Self centring	3,0	18/40	0,26	P2LAZ811EENDCN	P2LAZ811EENDCB49	
	G1/4		Vented	3,0	22/45	0,28	P2LBZ812EENDCN	P2LBZ812EENDCB49
	G3/8		Centre	3,0	30/90	0,60	P2LCZ813EENDCN	P2LCZ813EENDCB49

**Dimensions**

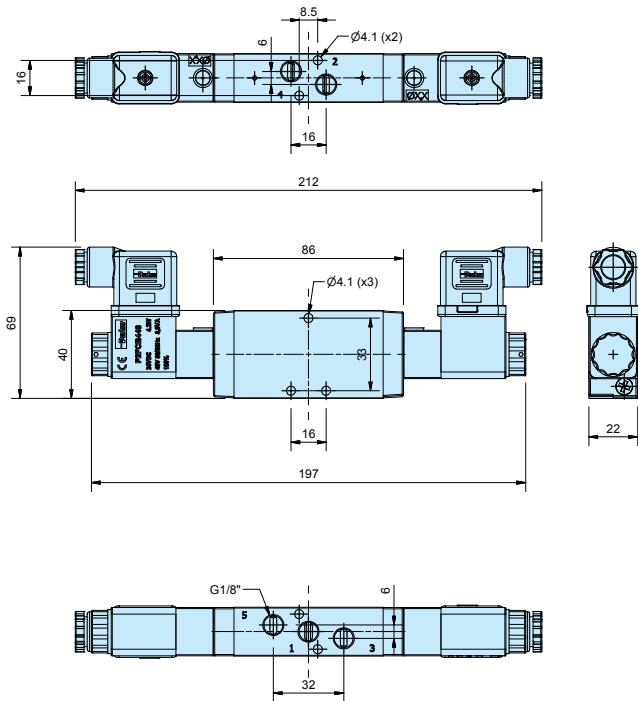
**P2LAZ 3/2**  
Solenoid / Solenoid



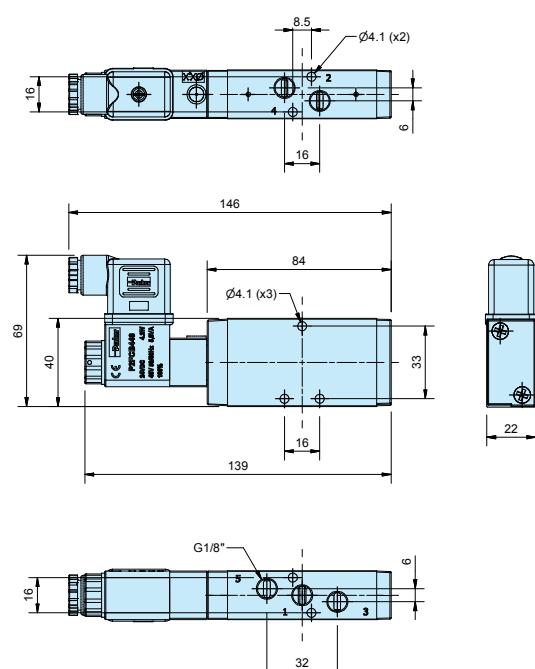
**P2LAZ 3/2**  
Solenoid / Spring



**P2LAZ 5/2**  
Solenoid / Solenoid



**P2LAZ 5/2**  
Solenoid / Spring

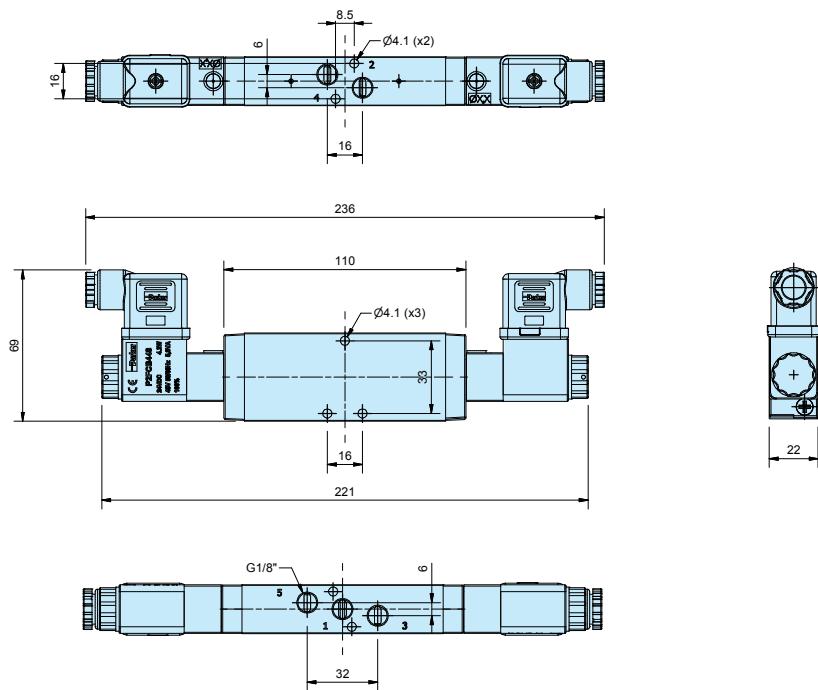
**Solenoid valves**

Solenoid valves and cable plugs must be ordered separately. One pilot valve is required for each E (NDCN only) in the valve order code.

## Dimensions

P2LAZ 5/3

Solenoid / Solenoid

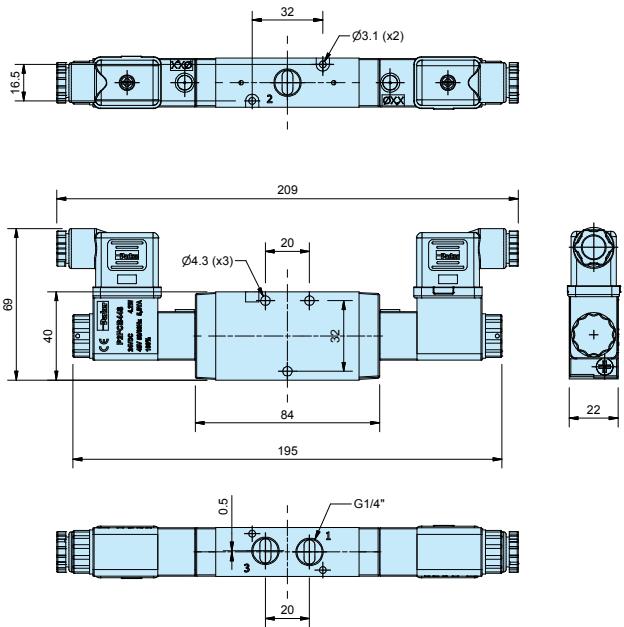


### Solenoid valves

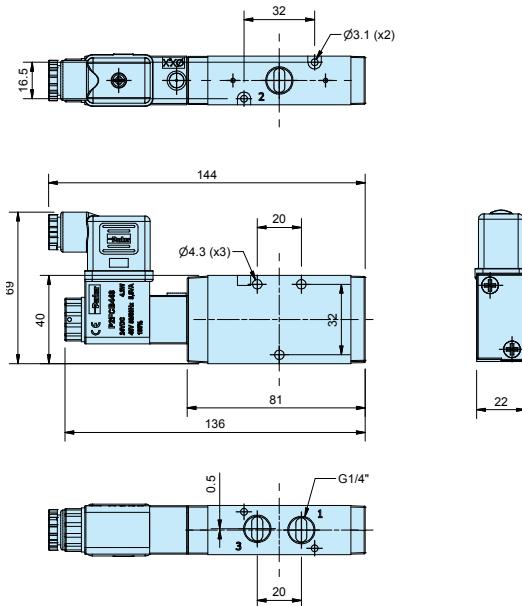
Solenoid valves and cable plugs must be ordered separately.  
One pilot valve is required for each E (NDCN only) in the valve order code.

**Dimensions**

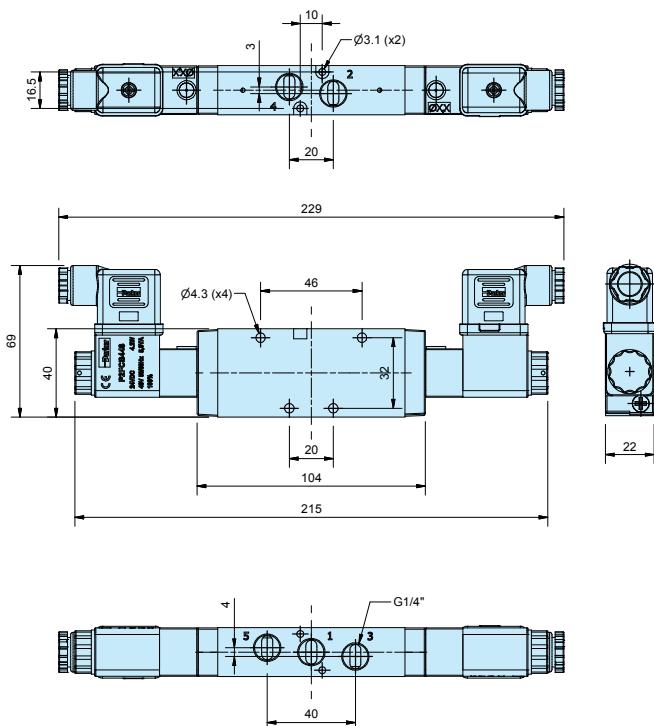
**P2LBZ 3/2**  
Solenoid / Solenoid



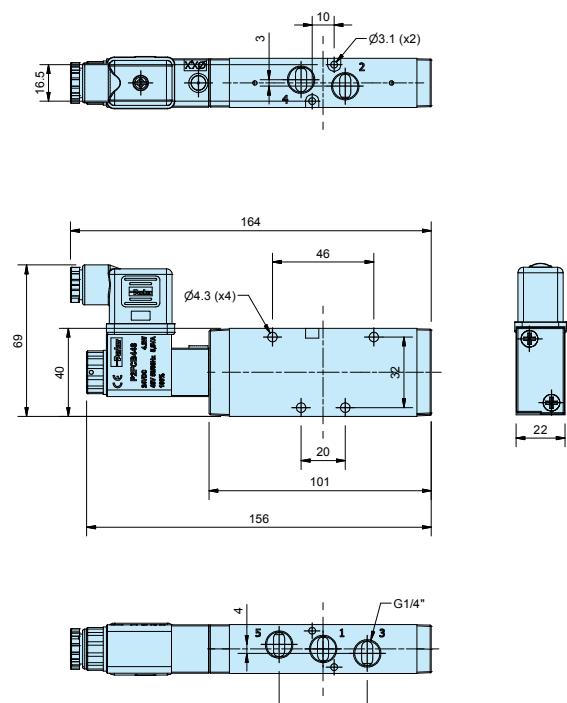
**P2LBZ 3/2**  
Solenoid / Spring



**P2LBZ 5/2**  
Solenoid / Solenoid



**P2LBZ 5/2**  
Solenoid / Spring

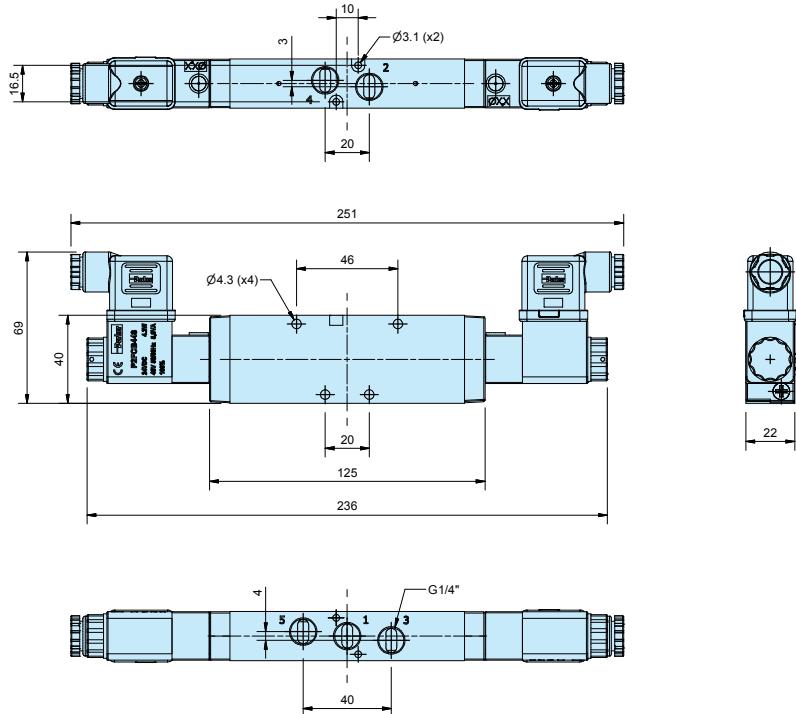
**Solenoid valves**

Solenoid valves and cable plugs must be ordered separately. One pilot valve is required for each E (NDCN only) in the valve order code.

## Dimensions

P2LBZ 5/3

Solenoid / Solenoid

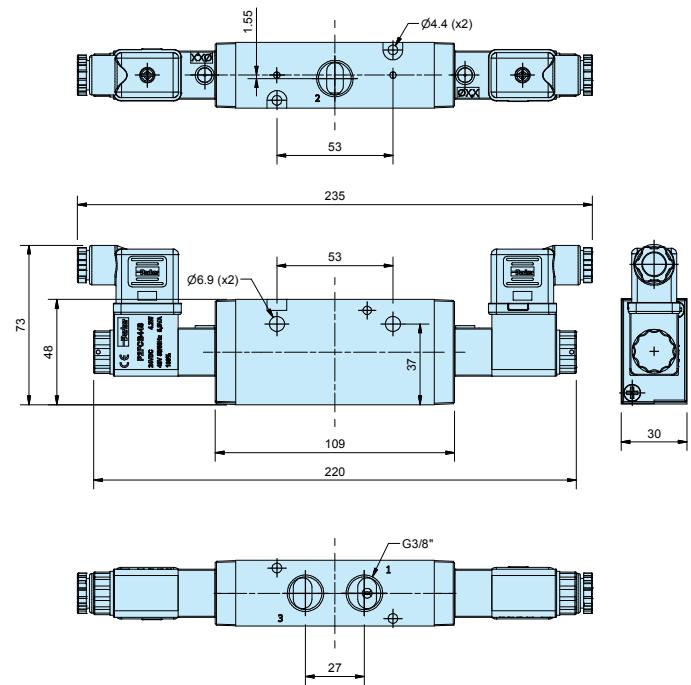


### Solenoid valves

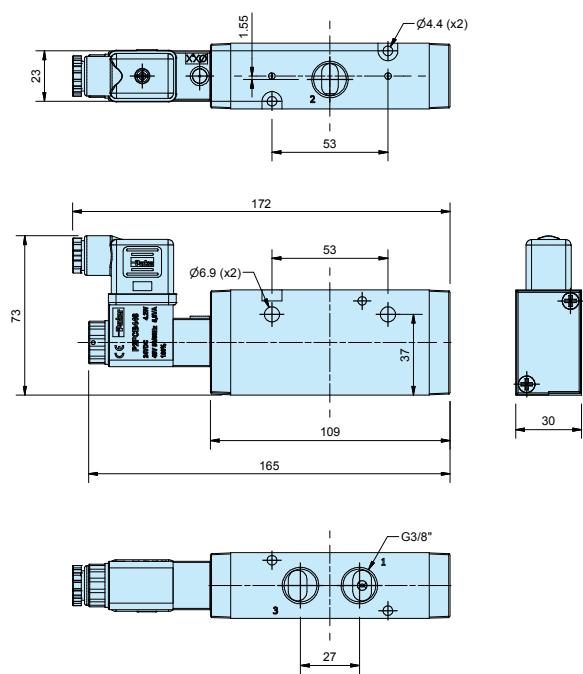
Solenoid valves and cable plugs must be ordered separately.  
One pilot valve is required for each E (NDCN only) in the valve order code.

**Dimensions****P2LCZ 3/2**

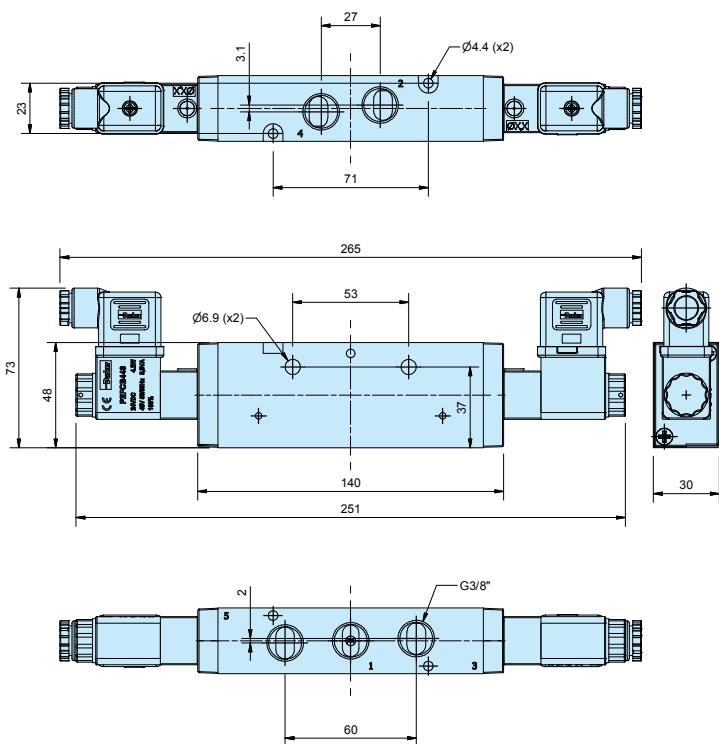
Solenoid / Solenoid

**P2LCZ 3/2**

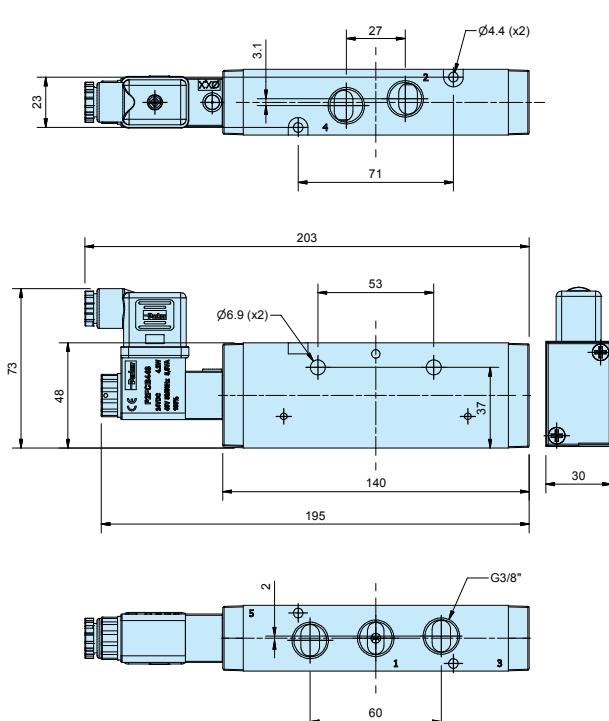
Solenoid / Spring

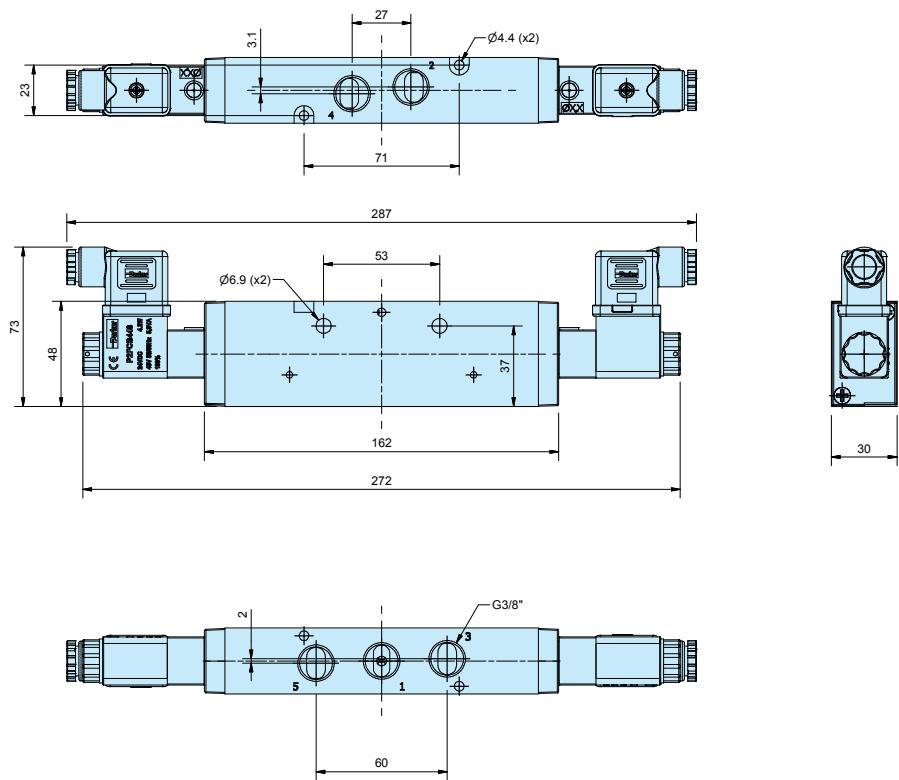
**P2LCZ 5/2**

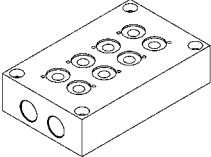
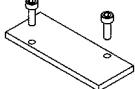
Solenoid / Solenoid

**P2LCZ 5/2**

Solenoid / Spring

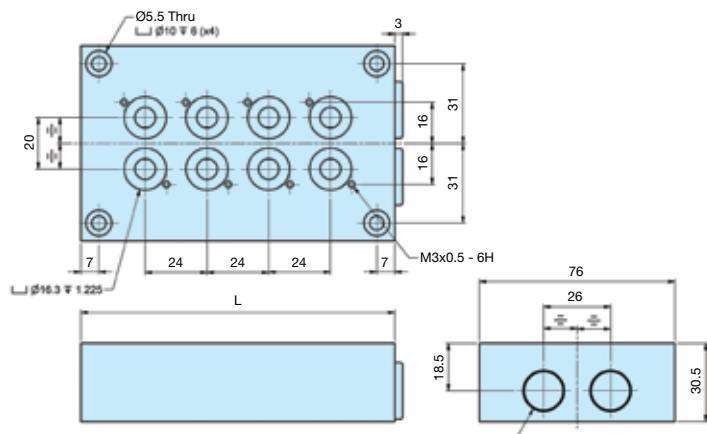


**Dimensions****P2LCZ 5/3****Solenoid / Solenoid**

Accessories	Type P2LA / P2LB 3/2 valves	Weight kg	Order code
	<b>Manifold bar, P2LB</b> incl. fasteners and O-ring, G3/8 For 2 valves For 4 valves For 6 valves For 8 valves For 10 valves	0,38 0,64 0,89 1,15 1,40	91213202SXZ 91213204SXZ 91213206SXZ 91213208SXZ 91213210SXZ
	<b>Blanking plate</b> for Manifold bar	0,10	912132BPSXZ

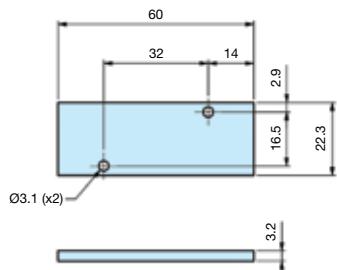
## Dimensions

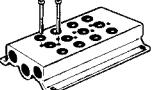
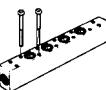
### Manifold bar



No. of valves	L mm
2	74
4	122
6	170
8	218
10	266

**Blanking plate  
for manifold bar,  
P2LB**

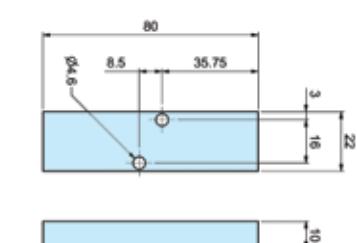
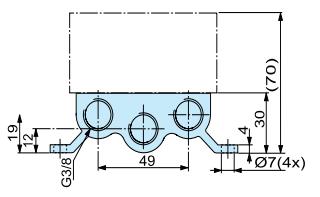
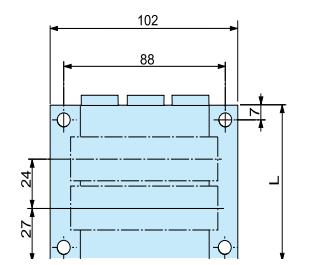


Accessories	Type P2LA 5/2 valves	Weight kg	Order code
	<b>Manifold bar, P2LA</b> including seals, mounting screws. G3/8 For 4 valves For 6 valves For 8 valves For 10 valves For 12 valves For 14 valves	0,48 0,63 0,80 0,98 1,10 1,23	<b>9121658075</b> <b>9121658076</b> <b>9121658077</b> <b>9121658078</b> <b>9121658079</b> <b>9121658099</b>
	<b>Blanking plate, P2LA</b> for Manifold bar	0,05	<b>9121658063</b>
	<b>Pressure bar, P2LA</b> for common air supply incl. O-rings and mounting screws. G1/4 For 2 valves For 4 valves For 6 valves For 8 valves	0,13 0,20 0,26 0,33	<b>9121658070</b> <b>9121658071</b> <b>9121658072</b> <b>9121658073</b>
	<b>Blanking plate, P2LA</b> for Pressure bar	0,05	<b>9121658074</b>
	<b>Assembly screws, P2LA</b> in stainless steel for valve	0,02	<b>9121658043</b>
	<b>Assembly screws, P2LA</b> in stainless steel for blanking plate	0,01	<b>9121658044</b>
	<b>O-ring kit, P2LA</b> O-rings between valve and manifold bar/Pressure bar	0,01	<b>9121658046</b>

## Dimensions

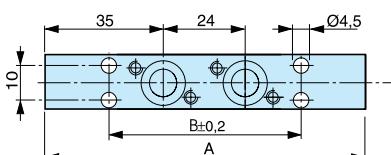
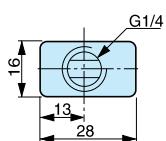
**Manifold bar, P2LA**

No. of valves	L mm
4	126
6	174
8	222
10	270
12	318
14	366

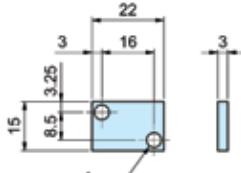


**Blanking plate for manifold bar, P2LA**

**Pressure bar, P2LA**

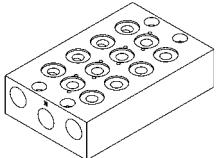
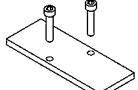
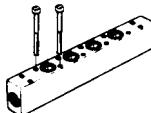
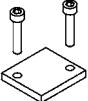


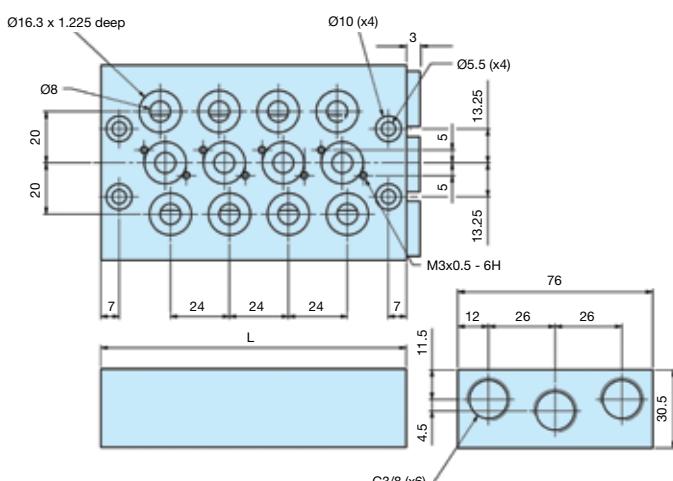
**Blanking plate for pressure bar, P2LA**



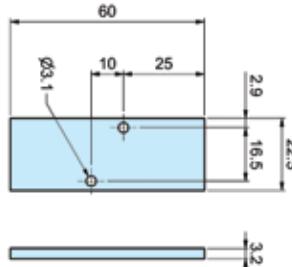
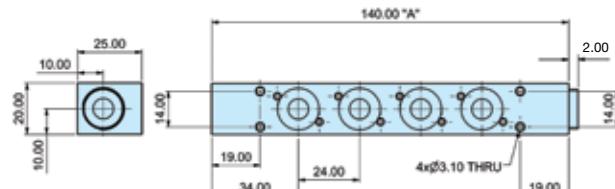
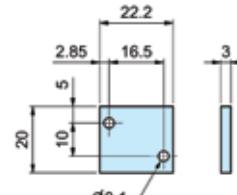
No. of valves	A mm	B mm
2	94	56
4	142	104
6	190	152
8	238	200

**Directional control valves****Accessories P2LB - 5/2 and 5/3**

Accessories	Type P2LB 5/2 valves	Weight kg	Order code
	<b>Manifold bar, P2LB</b> incl. fasteners and O-ring. G3/8 For 2 valves For 4 valves For 6 valves For 8 valves For 10 valves	0,69 1,13 1,56 2,00 2,45	<b>9121594805X</b> <b>9121594806X</b> <b>9121594807X</b> <b>9121594808X</b> <b>9121594812X</b>
	<b>Blanking plate, P2LB</b> for Manifold bar	0,10	<b>9121594809X</b>
	<b>Pressure bar, P2LB</b> for common air supply incl. O-rings and mounting screws. G3/8 For 2 valves For 4 valves For 6 valves For 8 valves For 10 valves	0,38 0,53 0,68 0,83 0,99	<b>9127113301X</b> <b>9127113302X</b> <b>9127113303X</b> <b>9127113304X</b> <b>9127113305X</b>
	<b>Blanking plate P2LB</b> for Pressure bar. G1/4	0,02	<b>9127113306X</b>

**Dimensions****Manifold bar, P2LB**

No. of valves	L mm
2	74
4	122
6	170
8	218
10	266

**Blanking plate for manifold bar, P2LB****Pressure bar, P2LB****Blanking plate for pressure bar, P2LB**

No. of valves	A mm
2	92
4	140
6	188
8	236
10	284



## 22mm Solenoid pilot options

The solenoid pilot operators are designed for piloting pneumatic control valves with compressed air or other inert gases.

The operator is available for Normal operating pressures up to 10 bar having an outlet orifice 1.2 mm and exhaust orifice 1.45 mm.

### Corrosion resistant design

The pilot operator body is manufactured in thermoplastic PA 6 material and the core tube brass/stainless steel. The plunger/core is made from stainless steel and the valve seats from FKM.

### Solenoid Pilot Exhaust

These operators all exhaust out of the top of the core tube which is tapped M5. The standard solenoid nut fitted to the core tube is the Diffuser nut which allows the exhaust to escape to atmosphere. This nut also minimises ingress of dirt into the valve through this port. The alternative plastic knurled nut can be specified (refer to part number system) if the exhaust air needs to be captured and piped away using the M5 tapped port.

### Coils

Coils are wound with enameled copper wire, having temperature index 180°C with class F insulation (155°C) and are encapsulated in Thermoplastic resin. When fitted with suitable connector and correct gasket they give protection to IP65.

### Manual Override options

The standard manual override is the bi-stable twist lock, extended plastic override.

## 22mm solenoid operator part numbers and spares

### Solenoid coils for 22mm solenoid operators

Voltage	Weight (Kg)	Order code Form B
12V 60Hz	0.093	P2FCB340
24V 50/60Hz	0.093	P2FCB342
12V DC	0.093	P2FCB345
24V DC	0.093	P2FCB349
48V DC	0.093	P2FCB351
110V/50Hz, 120V/60Hz	0.093	P2FCB353
230V/50Hz, 230V/60Hz	0.093	P2FCB357
100V 50/60Hz	0.093	P2FCB350
200V 50/60Hz	0.093	P2FCB355

## Spare Solenoid Nuts

Valves requiring captured exhaust should be fitted with plastic knurled nut

Order code

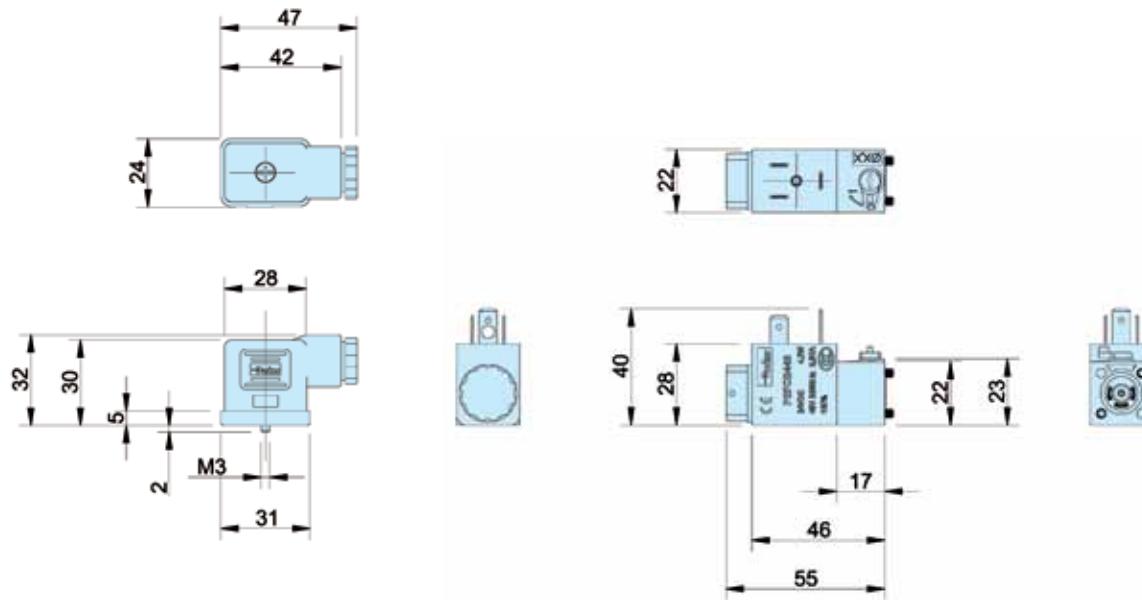
P2FNP

Valves with vented exhaust are fitted with diffuser plastic nut

Order Code

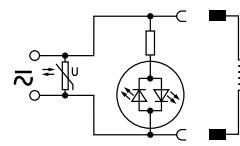
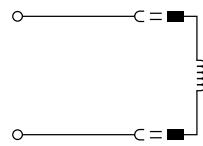
P2FND

## Cable Plug Dimensions (mm)



## Solenoid Connectors / Cable Plugs EN175301-803

Description	Order code
	22mm Industrial Form B
With standard screw	Standard IP65 without flying lead
	3EV10V10
	With LED and protection 24V AC/DC
	3EV10V20-24
	With LED and protection 110V AC
	3EV10V20-110
	With LED and protection 230V AC
	3EV10V20-230
With cable	24V AC/DC, 5m cable LED and protection IP65
	3EV10V20-24L5
	110V AC/DC, 5m cable LED and protection IP65
	3EV10V20-110L5
	230V AC, 5m cable LED and protection IP65
	3EV10V20-230L5



3EV10V10

3EV10V20-24	3EV10V20-24L5
3EV10V20-110	3EV10V20-110L5
3EV10V20-230	3EV10V20-230L5

# Parker Worldwide

## Europe, Middle East, Africa

### **AE – United Arab Emirates,**

Dubai

Tel: +971 4 8127100

parker.me@parker.com

### **AT – Austria,** Wiener Neustadt

Tel: +43 (0)2622 23501-0

parker.austria@parker.com

### **AT – Eastern Europe,** Wiener

Neustadt

Tel: +43 (0)2622 23501 900

parker.easternurope@parker.com

### **AZ – Azerbaijan,** Baku

Tel: +994 50 2233 458

parker.azerbaijan@parker.com

### **BE/LU – Belgium,** Nivelles

Tel: +32 (0)67 280 900

parker.belgium@parker.com

### **BY – Belarus,** Minsk

Tel: +375 17 209 9399

parker.belarus@parker.com

### **CH – Switzerland,** Etoy

Tel: +41 (0)21 821 87 00

parker.switzerland@parker.com

### **CZ – Czech Republic,** Klicany

Tel: +420 284 083 111

parker.czechrepublic@parker.com

### **DE – Germany,** Kaarst

Tel: +49 (0)2131 4016 0

parker.germany@parker.com

### **DK – Denmark,** Ballerup

Tel: +45 43 56 04 00

parker.denmark@parker.com

### **ES – Spain,** Madrid

Tel: +34 902 330 001

parker.spain@parker.com

### **FI – Finland,** Vantaa

Tel: +358 (0)20 753 2500

parker.finland@parker.com

### **FR – France,** Contamine s/Arve

Tel: +33 (0)4 50 25 80 25

parker.france@parker.com

### **GR – Greece,** Athens

Tel: +30 210 933 6450

parker.greece@parker.com

### **HU – Hungary,** Budapest

Tel: +36 1 220 4155

parker.hungary@parker.com

### **IE – Ireland,** Dublin

Tel: +353 (0)1 466 6370

parker.ireland@parker.com

### **IT – Italy,** Corsico (MI)

Tel: +39 02 45 19 21

parker.italy@parker.com

### **KZ – Kazakhstan,** Almaty

Tel: +7 7272 505 800

parker.easternurope@parker.com

### **NL – The Netherlands,** Oldenzaal

Tel: +31 (0)541 585 000

parker.nl@parker.com

### **NO – Norway,** Asker

Tel: +47 66 75 34 00

parker.norway@parker.com

### **PL – Poland,** Warsaw

Tel: +48 (0)22 573 24 00

parker.poland@parker.com

### **PT – Portugal,** Leca da Palmeira

Tel: +351 22 999 7360

parker.portugal@parker.com

### **RO – Romania,** Bucharest

Tel: +40 21 252 1382

parker罗马尼@parker.com

### **RU – Russia,** Moscow

Tel: +7 495 645-2156

parker.russia@parker.com

### **SE – Sweden,** Spånga

Tel: +46 (0)8 59 79 50 00

parker.sweden@parker.com

### **SK – Slovakia,** Banská Bystrica

Tel: +421 484 162 252

parker.slovakia@parker.com

### **SL – Slovenia,** Novo Mesto

Tel: +386 7 337 6650

parker.slovenia@parker.com

### **TR – Turkey,** Istanbul

Tel: +90 216 4997081

parker.turkey@parker.com

### **UA – Ukraine,** Kiev

Tel +380 44 494 2731

parker.ukraine@parker.com

### **UK – United Kingdom,** Warwick

Tel: +44 (0)1926 317 878

parker.uk@parker.com

### **ZA – South Africa,** Kempton Park

Tel: +27 (0)11 961 0700

parker.southafrica@parker.com

## North America

### **CA – Canada,** Milton, Ontario

Tel: +1 905 693 3000

### **US – USA,** Cleveland

Tel: +1 216 896 3000

## Asia Pacific

### **AU – Australia,** Castle Hill

Tel: +61 (0)2-9634 7777

### **CN – China,** Shanghai

Tel: +86 21 2899 5000

### **HK – Hong Kong**

Tel: +852 2428 8008

### **IN – India,** Mumbai

Tel: +91 22 6513 7081-85

### **JP – Japan,** Tokyo

Tel: +81 (0)3 6408 3901

### **KR – South Korea,** Seoul

Tel: +82 2 559 0400

### **MY – Malaysia,** Shah Alam

Tel: +60 3 7849 0800

### **NZ – New Zealand,** Mt Wellington

Tel: +64 9 574 1744

### **SG – Singapore**

Tel: +65 6887 6300

### **TH – Thailand,** Bangkok

Tel: +662 186 7000-99

### **TW – Taiwan,** Taipei

Tel: +886 2 2298 8987

## South America

### **AR – Argentina,** Buenos Aires

Tel: +54 3327 44 4129

### **BR – Brazil,** São José dos Campos

Tel: +55 800 727 5374

### **CL – Chile,** Santiago

Tel: +56 2 623 1216

### **MX – Mexico,** Apodaca

Tel: +52 81 8156 6000

## European Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

© 2011 Parker Hannifin Corporation. All rights reserved.

Catalogue PDE2658TC-ASIA November 2011

## EMEA Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

## US Product Information Centre

Toll-free number: 1-800-27 27 537

www.parker.com

Your local authorized Parker distributor

