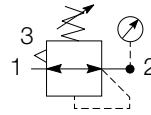


P3L Lite Series Air Preparation System

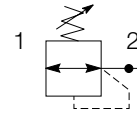
P3L Lite Regulator - Brass



Symbols



Self relieving regulator with gauge



Non relieving regulator

- Integral 1/4 ports (BSPP & NPT)
- Robust brass construction
- Secondary pressure ranges 2, 4 & 8 bar
- Unbalanced poppet valve standard, with solid control piston
- Relieving & Non-relieving types
- Non-rising knob

Options:

P 3 L	R X		2		N		P																																				
<table border="1"> <thead> <tr> <th colspan="2">Thread type</th> </tr> </thead> <tbody> <tr> <td>BSPP</td> <td>1</td> </tr> <tr> <td>NPT</td> <td>9</td> </tr> </tbody> </table>		Thread type		BSPP	1	NPT	9	<table border="1"> <thead> <tr> <th colspan="2">Port size</th> </tr> </thead> <tbody> <tr> <td>1/4</td> <td>2</td> </tr> </tbody> </table>		Port size		1/4	2	<table border="1"> <thead> <tr> <th colspan="2">Relief</th> </tr> </thead> <tbody> <tr> <td>Relieving</td> <td>B</td> </tr> <tr> <td>Non relieving</td> <td>N</td> </tr> </tbody> </table>		Relief		Relieving	B	Non relieving	N	<table border="1"> <thead> <tr> <th colspan="4">Adjustment range</th> </tr> <tr> <th colspan="2">With round gauge</th> <th colspan="2">Without gauge</th> </tr> </thead> <tbody> <tr> <td>2 bar</td> <td>Z</td> <td>2 bar</td> <td>Y</td> </tr> <tr> <td>4 bar</td> <td>M</td> <td>4 bar</td> <td>L</td> </tr> <tr> <td>8 bar</td> <td>G</td> <td>8 bar</td> <td>N</td> </tr> </tbody> </table>		Adjustment range				With round gauge		Without gauge		2 bar	Z	2 bar	Y	4 bar	M	4 bar	L	8 bar	G	8 bar	N
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* for individual mounting bracket see page:19

Port size	Description	Order Code	Flow dm ³ /s * (scfm) *	Max bar (psi)	Height mm (Inches)	Width mm (Inches)	Depth mm (Inches)
1/4"	8 bar relieving	P3LRX12BNNP	9.8 (20.7)	16 (232)	79 (3.11)	40 (1.57)	40 (1.57)
1/4"	8 bar relieving + gauge	P3LRX12BNGP	9.8 (20.7)	16 (232)	79 (3.11)	40 (1.57)	72 (2.83)

* flow with 10 bar (145 psi) inlet pressure, 6.3 bar (91.3 psi) set pressure and 1 bar (14.5 psi) pressure drop.



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PDE2661TCUK
P3L Lite Series Air Preparation System

Specifications

Flow Capacity*	1/4	9.8 dm ³ /s (20.7 scfm)
Operating Temperature	0°C (32°F) to 60°C (140°F)	
Max Supply Pressure	16 bar (232 psi)	
Adjusting Range Pressure	0-2 bar (30 psi) 0-4 bar (60 psi) 0-8 bar (125 psi)	
Port Size	BSPP / NPT	1/4
Gauge Port (2 ea.)	BSPP / NPSI	1/8
Weight	0.2 kg (0.44 lbs)	

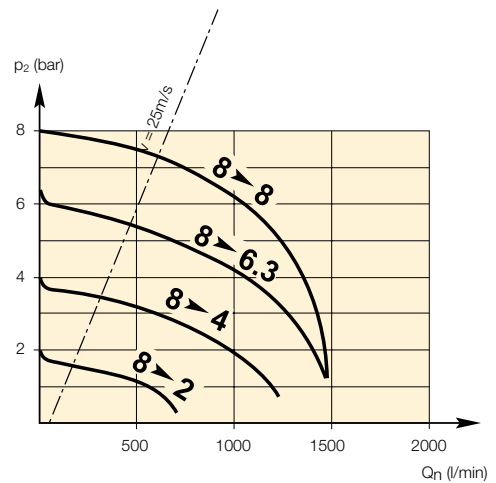
* Inlet pressure 10 bar (145 psi), 6.3 bar (91.3 psi) set pressure and 1 bar (14.5 psi) pressure drop.

Materials of Construction

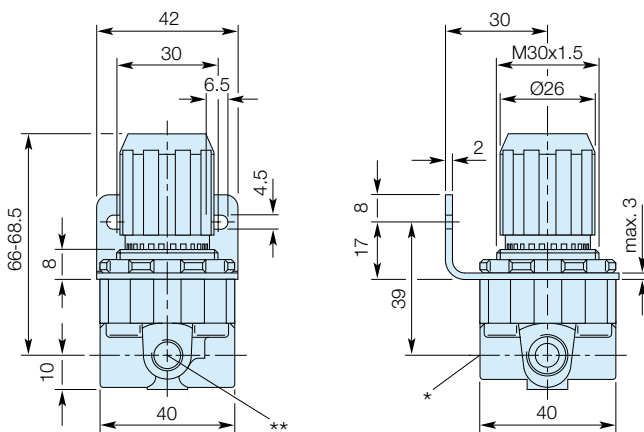
Body	Brass
Adjustment Knob	Polyamide
Bonnet	High Tech Polymer
Piston	Brass / Nitrile
Springs	Steel
Seals	Nitrile
Panel Nut	Polyamide

Flow Charts

Regulator - Brass



Dimensions



* On delivery the scw plug is not assembled
 ** Two opposite gauge ports 1/8

Repair and Service Kits

Panel mount nut - Aluminium	P3LKA00MM
Panel mount nut - Plastic	P3LKA00MP
Angle Bracket (uses panel mount threads)	P3LKA00MR

Gauges

40mm (1 1/2") Round 1/8" centre back mount

0-30 PSIG / 0-2 bar	KZ8810-00
0-58 PSIG / 0-4 bar	KZ8811-00
0-160 PSIG / 0-10 bar	KZ8813-00