

P3L Lite Coalescing and Adsorber Filters



- Integral 1/4 ports (BSPP & NPT)
- Removes liquid aerosols and sub micron particles
- Oil free air for critical applications, such as air gauging, pneumatic instrumentation and control
- Adsorbing activated carbon element removes oil vapours and most hydrocarbons

Note: To optimise the life of coalescing element, it is advisable to install a P3LF pre-filter with a 5 micron element upstream of the coalescing filter.

To optimise the life of an Adsorber it is advisable to install a P3L Coalescing Filter upstream of the Adsorber. Adsorber element should be replaced approx. every 1000 hours of service

Options:

P 3 L	F A		2		P		N
Thread type		Port size		Bowl type		Mounting	
BSPP	1	1/4	2	Poly bowl	P	No bracket *	N
NPT	9					* for individual mounting bracket see page:19	
Element				Drain type			
0.01µ Element		C		Manual push		P	
Adsorber		A		Semi-auto		S	

Port size	Description	Order Code	Flow dm ³ /s *	(scfm) *	Max bar (psi)	Height mm (Inches)	Width mm (Inches)	Depth mm (Inches)
1/4"	Poly bowl - 0.01 micron - Manual drain	P3LFA12CPPN	2	(4.23)	10 (150)	115 (4.52)	40 (1.58)	40 (1.58)
1/4"	Poly bowl - Adsorber	P3LFA12APPN	6	(12.7)	10 (150)	115 (4.52)	40 (1.58)	40 (1.58)

* flow with 6.3 bar (91.3 psi) inlet pressure and 0.2 bar (3 psi) pressure drop.



PDE2661TCUK

P3L Lite Series Air Preparation System

Specifications

Flow Capacity		2 dm ³ /s (4.2) SCFM	
0.01 Micron Coalescing	Energy Efficient Flow*	2	(4.2)
Maximum Flow**		3.8	(8)
Activated Carbon Adsorber	Rated Flow*	6	(13)
Operating Temperature		0°C (32°F) to 50°C (122°F)	
Max Supply Pressure		10 bar (150 psi)	
Standard Filtration		0.01 Micron ppm wt	
Adsorber	Max oil carryover (ppm w/w)	0.003 @ 21°C (70°F)	
Useful Retention		12 cm ³ (0.4 US oz.)	
Port Size	BSPP / NPT	1/4	
Weight		11kg (24 lbs)	

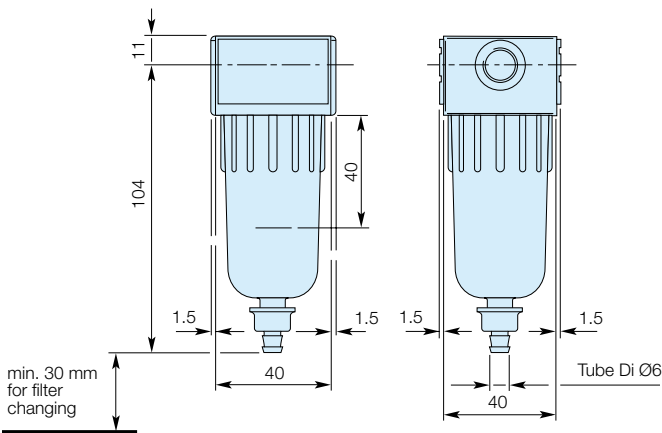
* Inlet pressure 6.3 bar (90 psi), Pressure drop 0.2 bar (3 psi), Saturated Element.

** Inlet pressure 6.3 bar (90 psi), Pressure drop 0.4 bar (6 psi), Saturated Element.

Materials of Construction

Body		High Tech Polymer
Bowl		Polycarbonate
Filter Element	0.01 Micron	Borosilicate Cloth
Adsorber		Activated Carbon
Seals		Nitrile

Dimensions



Repair and Service Kits

Plastic bowl / manual push drain Coalescing	P3LKA00BPP1
Plastic bowl / manual push drain, Adsorber	P3LKA00BPP2
0.01µ coalescing filter element	P3LKA00ESC
Activated carbon adsorber filter element	P3LKA00ESA
Individual mounting bracket - P3LFA / P3LLA	P3LKA00MW