Moduflex FRLs

Moduflex40 P3H Series
1/8” and 1/4” ported

Moduflex60 P3K Series
3/8” and 1/2” ported

Moduflex80 P3M Series
1/2”, 3/4” and 1” ported

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WARNING

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SALE CONDITIONS

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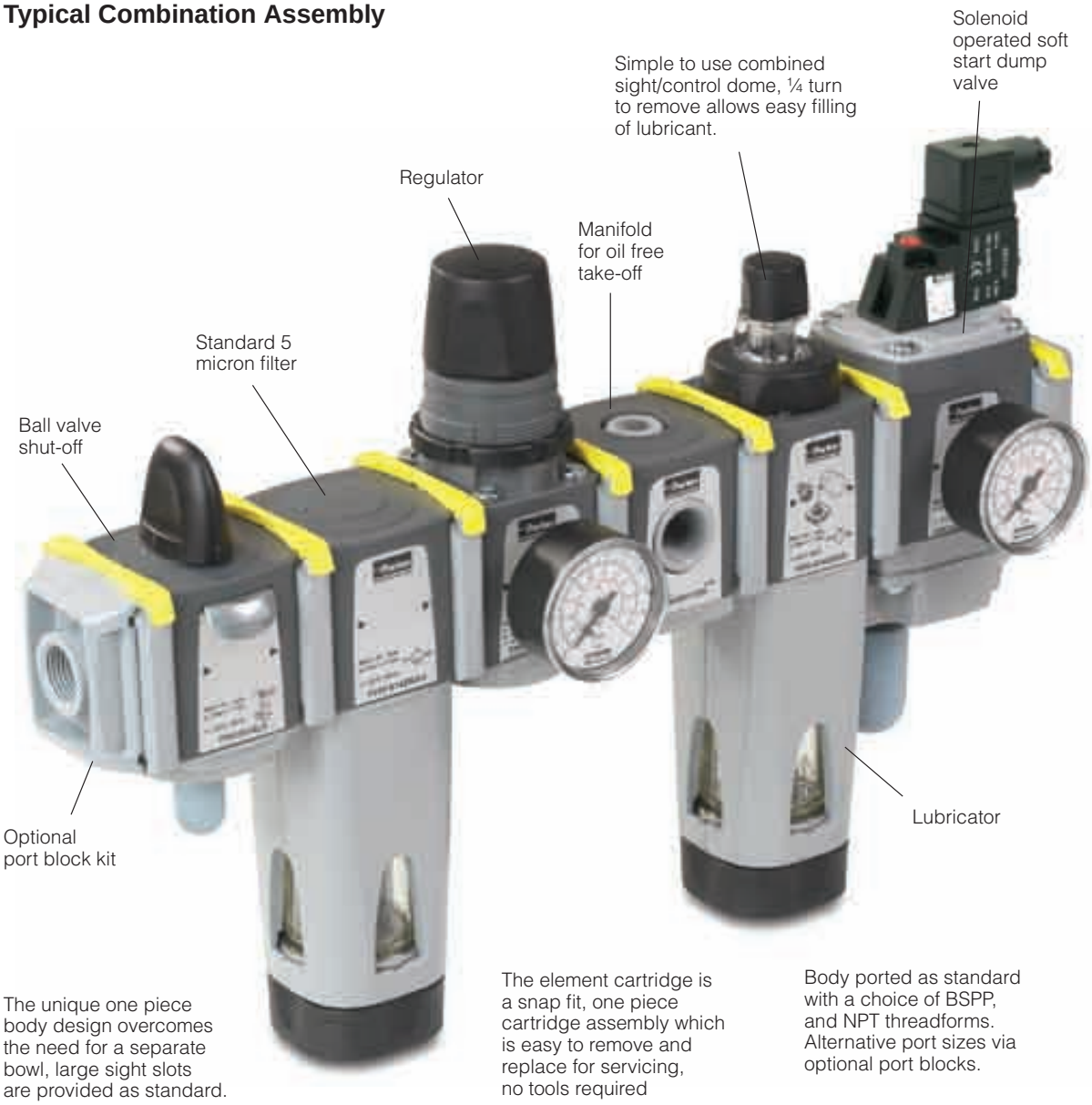
Moduflex modular air preparation system

The Moduflex modular air preparation system is constructed out of aluminium for the added advantages of both lightweight and strength.

The unique 'Cliplok' fastener enables combinations of units to be built in a fraction of the time taken by more traditional systems.

Combinations may be assembled quickly and easily, the individual units combine face to face with no intermediate block and ..... No increase in overall dimension.

Typical Combination Assembly



The unique one piece body design overcomes the need for a separate bowl, large sight slots are provided as standard.

The element cartridge is a snap fit, one piece cartridge assembly which is easy to remove and replace for servicing, no tools required

Body ported as standard with a choice of BSPP, and NPT threadforms. Alternative port sizes via optional port blocks.

Manual, semi-automatic and fully automatic drain options are available, recessed into the base plate for extra safety & protection from damage.

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Cliplok Mounting System

The unique ‘Cliplok’ allows units to be connected together, without the use of pipe connectors, saving space whilst providing constant mounting centres. The ‘Cliploks’ slide into the units from the front and rear and are locked in place by the overstrap.

For wall mounting ‘Cliploks’ with integral wall brackets are available. They are assembled and locked in exactly the same way.

Wall mounted ‘Cliploks’ can be left attached to the wall and the unit will slide off, once the overstrap has been lifted.

‘Cliploks’ locate and fix units in combination, allowing easy removal for servicing with no width penalty.

Moduflex Series Filter Elements

Moduflex Series standard Filter units feature 5 micron elements as standard with a 40 micron option.

Options include Coalescing units for the removal of oil and water aerosols and Adsorber units with activated carbon elements for the removal of hydrocarbon vapours.

The unique one piece body design overcomes the need for a separate bowl. Featuring an easy to use 1/8 turn base plate for filter element removal with positive latch to ensure correct and safe refitting.

The element cartridge is a snap fit, one piece cartridge assembly which is easy to remove and replace for servicing, no tools required.

Body ported as standard with a choice of BSPP, BSPT and NPT threadforms

Large sights provided as standard

Standard filter units feature 5 micron element.

Condensate bowl

Manual, semi-auto and automatic drain options are available.

One hand operation for easy servicing, no small easily lost part to worry about.

ATEX approval: **CE Ex II 3 GD**
Safety norms: **ISO 4414**
EN 983

Validated for transport applications

As you would expect from a member of the Rail Industry Association, the Moduflex60 FRL meets the test specification standards enabling the Moduflex60 FRL to be used as a validated product in a variety of rail applications.

RAILWAY INDUSTRY ASSOCIATION

BS EN / IEC 61373:1999, Category 1, Class B.

Easy to use large diameter
oil filling orifice

Simple to use combined sight/ control dome, 1/4 turn to remove allows easy filling of lubricant even under pressure.

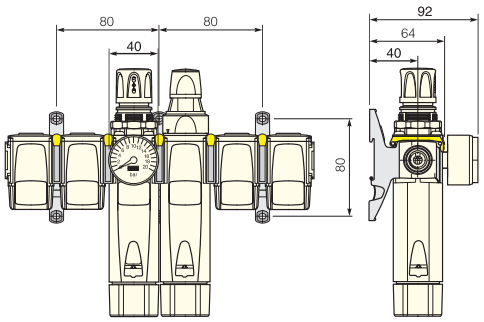
Optional Tamperproof Kit

Optional Manifold Mounted Regulators

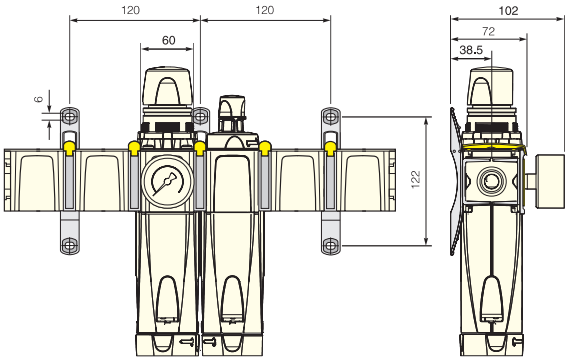
An optional version of the regulator may be Manifold Mounted for common inlet installations, providing any number of subsidiary p2 pressures.

Recommended Wall Mounting Configurations

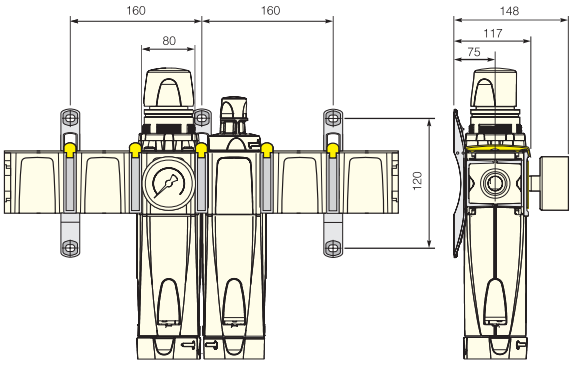
Moduflex 40
P3H Series



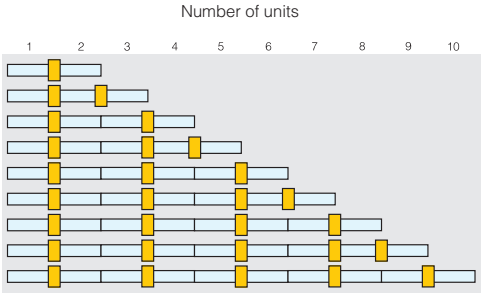
Moduflex 60
P3K Series



Moduflex 80
P3M Series



Position of Wall Mounting Bracket for Combinations



Single Mounting Bracket

Facilitates the permanent mounting of a single unit without the use of the 'Cliplok' system. The single piece steel bracket may be fixed to the wall or machine and a single Moduflex unit simply and securely pushed into place.

This is a permanent mounting option, care must be exercised before the unit is assembled.

Suitable for individual Filter and Lubricator mounting.

For all other mounting arrangements the 'Clipok' system should be used.

Series	Description	Weight g	Order Code
P3H	Single unit mounting bracket	29	**P3HKA00MW**
P3K	Single unit mounting bracket	44	**P3KKA00MW**
P3M	Single unit mounting bracket	130	**P3MKA00MW**

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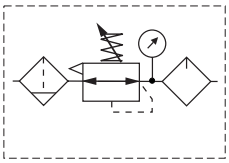
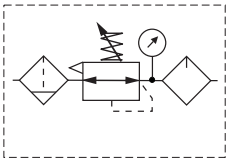
Popular Combinations



Filter + Regulator + Lubricator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)
G1/4	**P3HCB12SEMNGLMB**	815	**P3HCB12SESNGLMB**	820



Filter/Regulator + Lubricator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)
G1/4	**P3HCA12SEMNGLMB**	628	**P3HCA12SESNGLMB**	632

Options:

P3H C [ ] [ ] [ ] S E [ ] N [ ] L M B

Filter/Regulator + Lub	**A**
Filter + Regulator + Lub	**B**

BSPP (G)	**1**
NPT	**9**

1/8	**1**
1/4	**2**

Manual Drain	**M**
Semi Auto Drain	**S**

0 - 2 bar with gauge	**Z**
0 - 4 bar with gauge	**M**
0 - 8 bar with gauge	**G**
0 - 16 bar with gauge	**J**

Note: Lubricator is always fitted with manual drain

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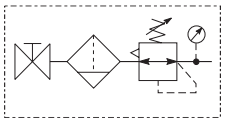
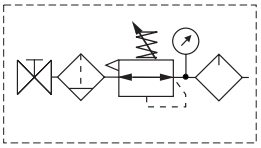
Popular Combinations



Ball Valve + Filter/Regulator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)
G1/4	**P3HAN12SEMNGB**	533	**P3HAN12SESNGB**	538



Ball Valve + Filter/Regulator + Lubricator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)
G1/4	**P3HAA12SEMNGLMB**	730	**P3HAA12SESNGLMB**	735

Options:

P3H | **A** | | | | **S E** | | **N** | | | **B**

Ball valve + Filter/Reg	**N**
Ball valve + Filter/Reg + Lubricator	**A**

Note: Lubricator is always fitted with manual drain

BSPP (G)	**1**
NPT	**9**

1/8	**1**
1/4	**2**

Manual Drain	**M**
Semi Auto Drain	**S**

0 - 2 bar with gauge	**Z**
0 - 4 bar with gauge	**M**
0 - 8 bar with gauge	**G**
0 - 16 bar with gauge	**J**

Add only for options with Lubricator	**LM**

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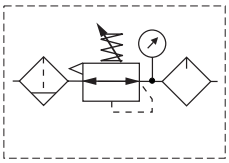
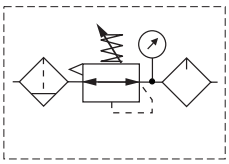
Popular Combinations



Filter + Regulator + Lubricator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)	Auto Drain	Weight (g)
G1/2	**P3KCB14SEMNGLMB**	2010	**P3KCB14SESNGLMB**	2015	**P3KCB14SEANGLMB**	2030



Filter/Regulator + Lubricator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)	Auto Drain	Weight (g)
G1/2	**P3KCA14SEMNGLMB**	1610	**P3KCA14SESNGLMB**	1615	**P3KCA14SEANGLMB**	1630

Options:

P3	K	C				S E		N		L M B
Filter/Regulator + Lub	A		BSPP (G)	1	3/8	3	Manual Drain	M	0 - 2 bar with gauge	Z
Filter + Regulator + Lub	B		NPT	9	1/2	4	Semi Auto Drain	S	0 - 4 bar with gauge	M
							Auto Drain	A	0 - 8 bar with gauge	G
									0 - 16 bar with gauge	J

Note: Lubricator is always fitted with manual drain

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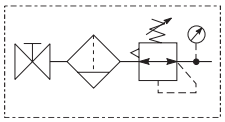
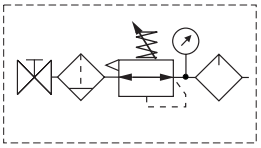
Popular Combinations



Ball Valve + Filter/Regulator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)	Auto Drain	Weight (g)
G1/2	**P3KAN14SEMNGB**	1425	**P3KAN14SESNGB**	1430	**P3KAN14SEANGB**	1445



Ball Valve + Filter/Regulator + Lubricator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)	Auto Drain	Weight (g)
G1/2	**P3KAA14SEMNGLMB**	2210	**P3KAA14SESNGLMB**	2215	**P3KAA14SEANGLMB**	2230

Options:

P3K **A** ☐ ☐ ☐ **S E** ☐ **N** ☐ ☐ ☐ **B**

Ball valve + Filter/Reg	**N**
Ball valve + Filter/Reg + Lubricator	**A**

BSPP (G)	**1**
NPT	**9**

3/8	**3**
1/2	**4**

Manual Drain	**M**
Semi Auto Drain	**S**
Auto Drain	**A**

0 - 2 bar with gauge	**Z**
0 - 4 bar with gauge	**M**
0 - 8 bar with gauge	**G**
0 - 16 bar with gauge	**J**

Add only for options with Lubricator	**LM**

Note: Lubricator is always fitted with manual drain

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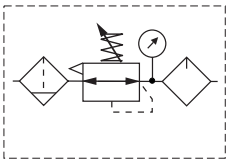
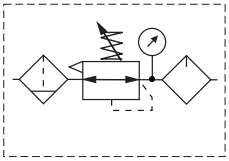
Popular Combinations



Filter + Regulator + Lubricator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)	Auto Drain	Weight (g)
G3/4	**P3MCB16SEMNGLMB**	4229	**P3MCB16SESNGLMB**	4219	**P3MCB16SEANGLMB**	4249
G1	**P3MCB18SEMNGLMB**	4148	**P3MCB18SESNGLMB**	4138	**P3MCB18SEANGLMB**	4168



Filter/Regulator + Lubricator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)	Auto Drain	Weight (g)
G3/4	**P3MCA16SEMNGLMB**	3526	**P3MCA16SESNGLMB**	3516	**P3MCA16SEANGLMB**	3546
G1	**P3MCA18SEMNGLMB**	3485	**P3MCA18SESNGLMB**	3475	**P3MCA18SEANGLMB**	3505

Options:

P3 M C [ ] [ ] [ ] S E [ ] N [ ] L M B

Filter/Regulator + Lub	**A**
Filter + Regulator + Lub	**B**

BSPP (G)	**1**
NPT	**9**

1/2	**4**
3/4	**6**
1	**8**

Manual Drain	**M**
Semi Auto Drain	**S**
Auto Drain	**A**

0 - 2 bar with gauge	**Z**
0 - 4 bar with gauge	**M**
0 - 8 bar with gauge	**G**
0 - 16 bar with gauge	**J**

Note: Lubricator is always fitted with manual drain

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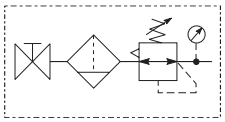
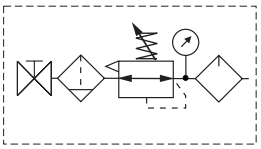
Popular Combinations



Ball Valve + Filter/Regulator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)	Auto Drain	Weight (g)
G3/4	**P3MAN16SEMNGB**	2983	**P3MAN16SESNGB**	2973	**P3MAN16SEANGB**	3003
G1	**P3MAN18SEMNGB**	2918	**P3MAN18SESNGB**	2908	**P3MAN18SEANGB**	2938



Ball Valve + Filter/Regulator + Lubricator Combinations
5 micron element, 8 bar Regulator + Gauge and Wall Mounting Brackets

Port size	Manual Drain	Weight (g)	Semi-Auto Drain	Weight (g)	Auto Drain	Weight (g)
G3/4	**P3MAA16SEMNGLMB**	4594	**P3MAA16SESNGLMB**	4584	**P3MAA16SEANGLMB**	4614
G1	**P3MAA18SEMNGLMB**	4553	**P3MAA18SESNGLMB**	4543	**P3MAA18SEANGLMB**	4573

Options:

P3M **A** ☐ ☐ ☐ **S E** ☐ **N** ☐ ☐ ☐ **B**

Ball valve + Filter/Reg	**N**
Ball valve + Filter/Reg + Lubricator	**A**

BSPP (G)	**1**
NPT	**9**

1/2	**4**
3/4	**6**
1	**8**

Manual Drain	**M**
Semi Auto Drain	**S**
Auto Drain	**A**

0 - 2 bar with gauge	**Z**
0 - 4 bar with gauge	**M**
0 - 8 bar with gauge	**G**
0 - 16 bar with gauge	**J**

Add only for options with Lubricator	**LM**

Note: Lubricator is always fitted with manual drain

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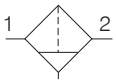
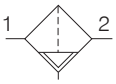
Standard Filter

Symbols



Manual drain



Semi auto drain

- Integral 1/8 or 1/4 ports (BSPP & NPT)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminium construction
- One hand operation for easy element cartridge removal
- Positive bayonet latch to ensure correct & safe fitting
- No small easily lost parts
- No tools required for servicing

Options:

P3	H	F	A						

BSPP (G)	1
NPT	9

1/8	1
1/4	2

5 Micron Element Standard	E
40 Micron Element Optional	G

Manual Drain	SM
Semi Auto Drain	SS

N

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Bowl size cm³	Height mm	Width mm	Depth mm	Weight g
G1/8	Manual drain	**P3HFA11ESMN**	15	17	-20	+80	10	145	40	40	274
G1/8	Semi auto drain	**P3HFA11ESSN**	15	17	-20	+80	10	145	40	40	274
G1/4	Manual drain	**P3HFA12ESMN**	18	17	-20	+80	10	145	40	40	274
G1/4	Semi auto drain	**P3HFA12ESSN**	18	17	-20	+80	10	145	40	40	274

* flow with 6,3 bar inlet pressure and 0,5 pressure drop.

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Technical Information

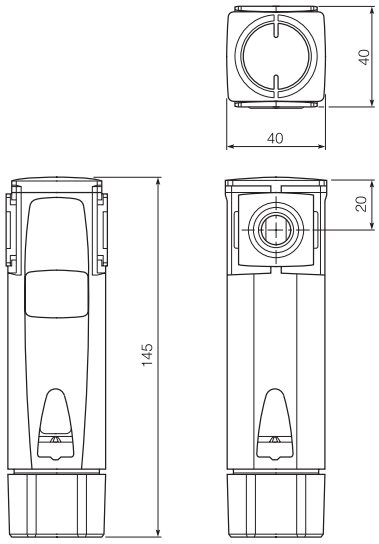
Fluid:	Compressed air
Maximum inlet pressure*:	17 bar Manual or Semi auto
Temperature range*:	-20°C to +80°C
Particle removal:	5 micron
Air quality:	Within ISO 8573-1, Class 3 and 5 (particulates)
Typical flow with 5µm element 6,3 bar inlet pressure and 0.5 bar pressure drop:	18 l/s
Manual drain:	twist grip open and barbed connection
Semi-auto drain: 0,2 bar @ min flow of 0,4 l/s bowl pressure to close drain	with barbed connection
Bowl sump capacity:	10 cm^3

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Material Specification

Body:	Aluminium
Sight glass:	Technopolymer
Body cover:	Polyester
Element:	Sintered polypropylene
Elastomers:	Nitrile NBR
Bayonet support:	Nylon
Drain:	Acetal

Dimensions (mm)

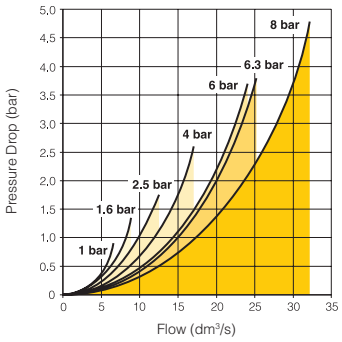


Service kits

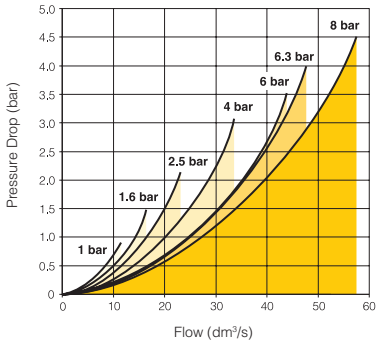
Description	Order code
5 micron element kit	**P3HKA00ESE**
40 micron element kit	**P3HKA00ESG**
Sight glass & manual drain kit	**P3HKA00BSM**
Sight glass & semi-auto drain kit	**P3HKA00BSS**

Flow characteristics

(1/8) 5 Micron Filter

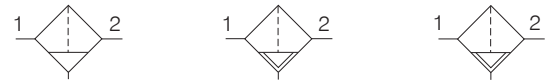


(1/4) 5 Micron Filter



Standard Filter

Symbols



Manual drain | Semi auto drain | Auto drain

- Integral 3/8 or 1/2 ports (BSPP & NPT)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminium construction
- One hand operation for easy element cartridge removal
- Positive bayonet latch to ensure correct & safe fitting
- No small easily lost parts
- No tools required for servicing

Options:

P3	K	F	A								

BSPP (G)	1
NPT	9

3/8	3
1/2	4

5 Micron Element Standard	E
40 Micron Element Optional	G

Manual Drain	SM
Semi Auto Drain	SS
Auto Drain	SA

N

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Bowl size cm³	Height mm	Width mm	Depth mm	Weight g
3/8	Manual drain	**P3KFA13ESMN**	45	17	-20	80	48	194	60	60	660
3/8	Semi auto drain	**P3KFA13ESSN**	45	17	-20	80	48	194	60	60	650
3/8	Auto drain	**P3KFA13ESAN**	45	17	-20	80	48	194	60	60	680
1/2	Manual drain	**P3KFA14ESMN**	50	17	-20	80	48	194	60	60	650
1/2	Semi auto drain	**P3KFA14ESSN**	50	17	-20	80	48	194	60	60	650
1/2	Auto drain	**P3KFA14ESAN**	50	17	-20	80	48	194	60	60	670

* flow with 6,3 bar inlet pressure and 0,5 pressure drop.

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Technical Information

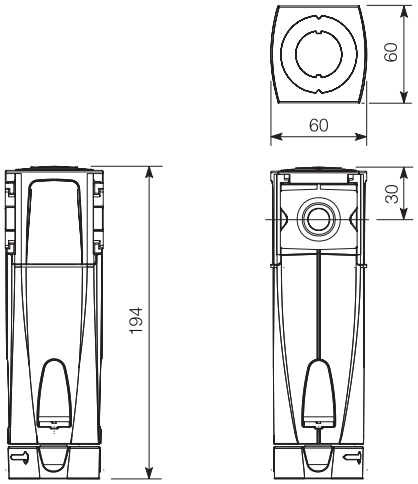
Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	-20°C to +80°C
Particle removal:	5 micron and 40 micron
Air quality:	Within ISO 8573-1, Class 3 and 5 (particulates)
Typical flow with 5µm element 6,3 bar inlet pressure and 0.5 bar pressure drop:	50 l/s
Manual drain:	twist grip open and barbed connection
Semi-auto drain: 0,2 bar @ min flow of 0,4 l/s bowl pressure to close drain	with barbed connection
Auto drain:	
bowl pressure to close drain	1 bar
Operating range	1 to 17 bar
manual override facility (depress pin) barbed connection.	
Bowl sump capacity:	48 cm^3

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Material Specification

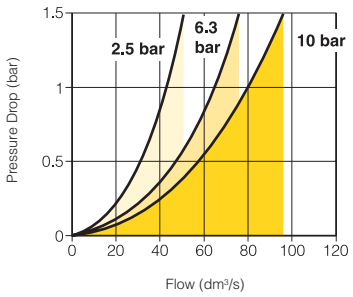
Body:	Aluminium
Sight glass:	Technopolymer
Body cover:	Polyester
Element:	Sintered polypropylene
Elastomers:	Nitrile NBR
Bayonet support:	Acetal
Drain:	Acetal

Dimensions (mm)

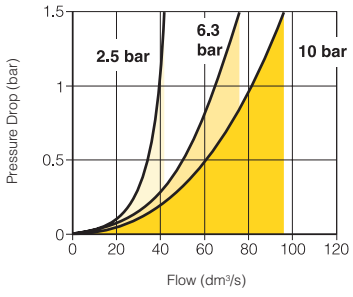


Flow characteristics

(3/8) 5 Micron Filter



(1/2) 5 Micron Filter



Service kits

Description	Order code
5 micron element kit	**P3KKA00ESE**
40 micron element kit	**P3KKA00ESG**
Sight glass & manual drain kit	**P3KKA00BSM**
Sight glass & semi-auto drain kit	**P3KKA00BSS**
Sight glass & auto drain kit	**P3KKA00BSA**

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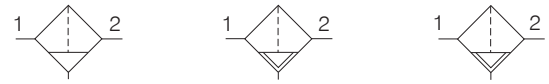
Standard Filter

Symbols



Manual drain | Semi auto drain | Auto drain

- Integral 1/2, 3/4 or 1" ports (BSPP & NPT)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminium construction
- One hand operation for easy element cartridge removal
- Positive bayonet latch to ensure correct & safe fitting
- No small easily lost parts
- No tools required for servicing

Options:

P3	M	F	A									
				BSPP (G) 1 NPT 9		1/2 4 3/4 6 1" 8		5 Micron Element Standard E		Manual Drain SM Semi Auto Drain SS Auto Drain SA		N

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Bowl size cm³	Height mm	Width mm	Depth mm	Weight g
1/2	Manual drain	**P3MFA14ESMN**	80	17	-20	80	100	255	80	80	1344
1/2	Semi auto drain	**P3MFA14ESSN**	80	17	-20	80	100	255	80	80	1334
1/2	Auto drain	**P3MFA14ESAN**	80	17	-20	80	100	255	80	80	1364
3/4	Manual drain	**P3MFA16ESMN**	101	17	-20	80	100	255	80	80	1320
3/4	Semi auto drain	**P3MFA16ESSN**	101	17	-20	80	100	255	80	80	1310
3/4	Auto drain	**P3MFA16ESAN**	101	17	-20	80	100	255	80	80	1340
1"	Manual drain	**P3MFA18ESMN**	105	17	-20	80	100	255	80	80	1280
1"	Semi auto drain	**P3MFA18ESSN**	105	17	-20	80	100	255	80	80	1270
1"	Auto drain	**P3MFA18ESAN**	105	17	-20	80	100	255	80	80	1300

* flow with 6,3 bar inlet pressure and 0,5 pressure drop.

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Moduflex modular air preparation system

Technical Information

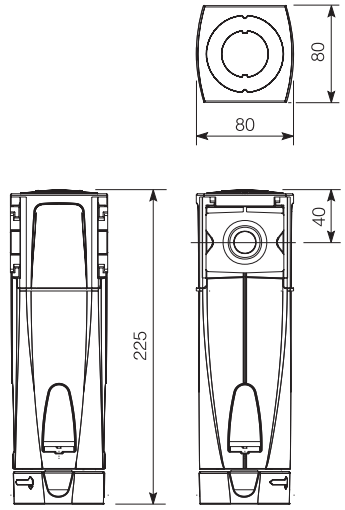
Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	-20°C to +80°C
Particle removal:	5 micron
Air quality:	Within ISO 8573-1, Class 3
Typical flow with 5µm element 6,3 bar inlet pressure and 0.5 bar pressure drop:	105 l/s
Manual drain:	twist grip open and barbed connection
Semi-auto drain: 0,2 bar @ min flow of 0,4 l/s bowl pressure to close drain	with barbed connection
Auto drain:	
bowl pressure to close drain	1 bar
Operating range	1 to 17 bar
manual override facility (depress pin) barbed connection.	
Bowl sump capacity:	100 cm^3

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Material Specification

Body:	Aluminium
Sight glass:	Technopolymer
Body cover:	Polyester
Element:	Sintered polypropylene
Elastomers:	Nitrile NBR
Bayonet support:	Nylon
Drain:	Acetal

Dimensions (mm)

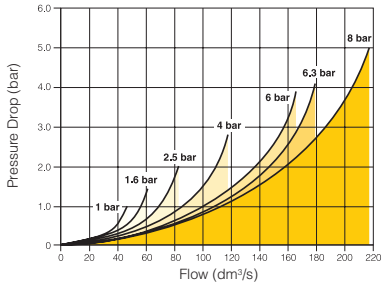


Service kits

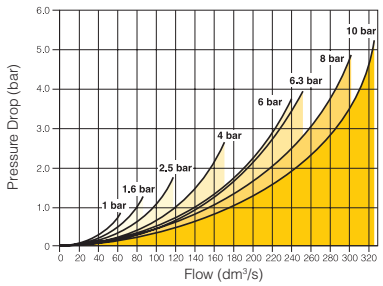
Description	Order code
5 micron element kit	**P3MKA00ESE**
Sight glass & manual drain kit	**P3MKA00BSM**
Sight glass & semi-auto drain kit	**P3MKA00BSS**
Sight glass & auto drain kit	**P3MKA00BSA**

Flow characteristics

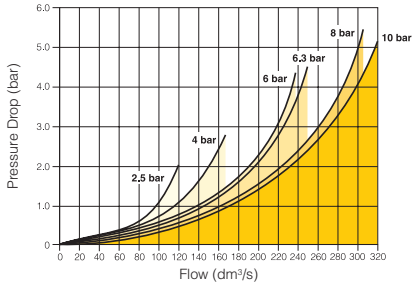
(1/2) 5 Micron Filter



(3/4) 5 Micron Filter



(1") 5 Micron Filter



Coalescing Filters and Adsorbers

- Integral 1/8 or 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
- 0.01µm element as standard (coalescer)
- Differential Pressure Indicator (DPI) as standard on Coalescing Filters
- One hand operation for easy element cartridge removal
- Positive bayonet latch to ensure correct & safe fitting
- No tools required for servicing
- Adsorbing activated carbon element removes oil vapours and most hydrocarbons

Note: To optimise the life of coalescing element, it is advisable to install a P3HFA pre-filter with a 5 micron element upstream of the coalescing filter.

Options:

P3	H	F	A								

BSPP (G)	1
NPT	9

1/8	1
1/4	2

Grade 0.01 element with PDI Standard	D
Grade 0.01 element without PDI option	C
Adsorber element without PDI option	A

Manual Drain	SM
Semi Auto Drain	SS

N

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Bowl size cm³	Height mm	Width mm	Depth mm	Weight g
G1/8	Coalescing Filter, Manual drain	**P3HFA11DSMN**	3.5	17	-20	+66	10	157	40	40	274
G1/8	Coalescing Filter, Semi auto drain	**P3HFA11DSSN**	3.5	17	-20	+66	10	157	40	40	274
G1/4	Coalescing Filter, Manual drain	**P3HFA12DSMN**	4	17	-20	+66	10	157	40	40	274
G1/4	Coalescing Filter, Semi auto drain	**P3HFA12DSSN**	4	17	-20	+66	10	157	40	40	274
G1/8	Adsorber Filter, Manual drain	**P3HFA11ASMN**	6	17	-20	+50	10	145	40	40	269
G1/4	Adsorber Filter, Manual drain	**P3HFA12ASMN**	8	17	-20	+50	10	145	40	40	269

* flow with 6,3 bar inlet pressure and 0,2 pressure drop.

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Technical Information

Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	
Coalescing filter :	-20°C to +66°C
Adsorber filter :	-20°C to +50°C
Media specifications:	
Coalescing efficiency	(0.3 to 0.6 micron particles): 99.97%
Max. oil carryover (PPM w/w):	0.008
Typical flow with 0.01 micron element at 6,3 bar inlet pressure and 0.2 bar pressure drop:	Coalescer 4 l/s Adsorber 8 l/s
Manual drain:	twist grip open and barbed connection
Semi-auto drain: 0,2 bar @ min flow of 0,4 l/s bowl pressure to close drain	with barbed connection
Bowl sump capacity:	10 cm^3

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

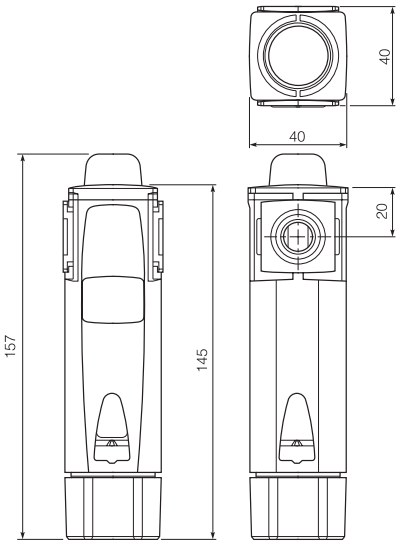
Material Specification

Body:	Aluminium
Sight glass:	Technopolymer
Filter cover:	Polyester
Coalescing element:	Borosilicate & felt glass fibres
Adsorber element:	Activated charcoal
Elastomers:	Nitrile NBR
Bayonet support:	Nylon
Drain:	Acetal

Differential pressure indicator materials:

Body:	Technoplyomer
Internal parts:	Acetal
Spring:	Stainless steel
Elastomers:	Nitrile NBR
Support plate	Aluminium
Screws	Steel / zinc plated

Dimensions (mm)

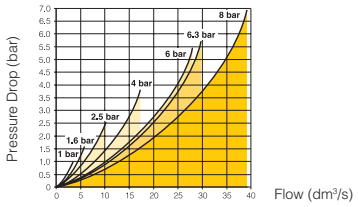


Service kits

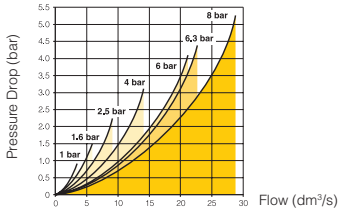
Description	Order code
0.01 micron coalescing element kit	**P3HKA00ESC**
Adsorber element kit	**P3HKA00ESA**
Sight glass & manual drain kit	**P3HKA00BSM**
Sight glass & semi-auto drain kit	**P3HKA00BSS**
Differential pressure indicator kit	**P3HKA00RQ**

Flow characteristics

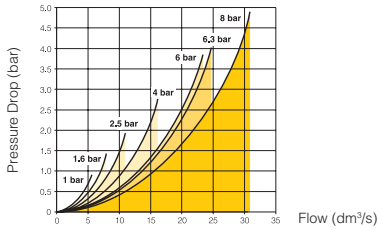
(1/8) 0.01µm Coalescing Filter



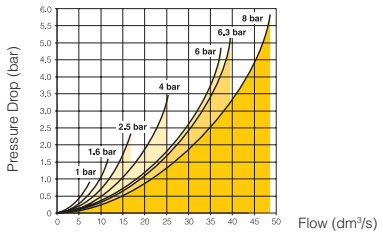
(1/4) 0.01µm Coalescing Filter



1/8) Adsorber Filter



(1/4) Adsorber Filter



Coalescing Filters and Adsorbers

- Integral 3/8 or 1/2 ports (BSPP & NPT)
- Removes liquid aerosols and sub micron particles
- Oil free air for critical applications, such as air gauging, pneumatic instrumentation and control
- 0.01µm element as standard (coalescer)
- Differential Pressure Indicator (DPI) as standard on Coalescing Filters
- One hand operation for easy element cartridge removal
- Positive bayonet latch to ensure correct & safe fitting
- No tools required for servicing
- Adsorbing activated carbon element removes oil vapours and most hydrocarbons

Note: To optimise the life of coalescing element, it is advisable to install a P3KFA pre-filter with a 5 micron element upstream of the coalescing filter.

Options:

P3	K	F	A						

BSPP (G)	1
NPT	9

3/8	3
1/2	4

Grade 0.01 element with PDI Standard	D
Grade 0.01 element without PDI option	C
Adsorber element without PDI option	A

			N

Manual Drain	SM
Semi Auto Drain	SS
Auto Drain	SA

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Bowl size cm³	Height mm	Width mm	Depth mm	Weight g
3/8	Coalescing Filter, Manual drain	**P3KFA13DSMN**	15	17	-20	66	48	202	60	60	660
3/8	Coalescing Filter, Semi auto drain	**P3KFA13DSSN**	15	17	-20	66	48	202	60	60	660
3/8	Coalescing Filter, Auto drain	**P3KFA13DSAN**	15	17	-20	66	48	202	60	60	680
1/2	Coalescing Filter, Manual drain	**P3KFA14DSMN**	16	17	-20	66	48	202	60	60	650
1/2	Coalescing Filter, Semi auto drain	**P3KFA14DSSN**	16	17	-20	66	48	202	60	60	650
1/2	Coalescing Filter, Auto drain	**P3KFA14DSAN**	16	17	-20	66	48	202	60	60	670
3/8	Adsorber Filter, Manual drain	**P3KFA13ASMN**	21	17	-20	50	48	194	60	60	670
1/2	Adsorber Filter, Manual drain	**P3KFA14ASMN**	28	17	-20	50	48	194	60	60	660

* flow with 6,3 bar inlet pressure and 0,2 pressure drop.

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PDE2501TCUK-ca

Moduflex modular air preparation system

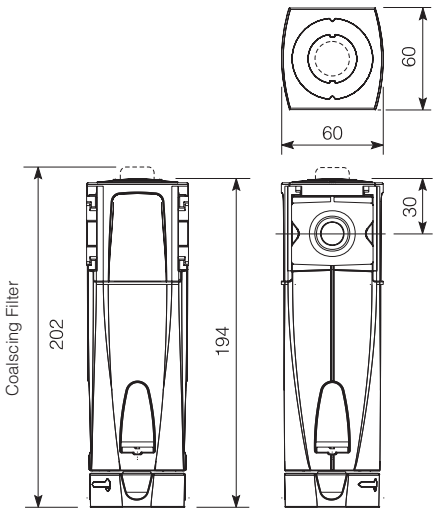
P3K Series

Technical Information

Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	
Coalescing filter :	-20°C to +66°C
Adsorber filter :	-20°C to +50°C
Media specifications: Coalescing efficiency	(0.3 to 0.6 micron particles): 99.97%
Max. oil carryover (PPM w/w):	0.008
Typical flow with 0.01 micron element at 6,3 bar inlet pressure and 0.2 bar pressure drop:	Coalescer 16 l/s Adsorber 28 l/s
Manual drain:	twist grip open and barbed connection
Semi-auto drain: 0,2 bar @ min flow of 0,4 l/s bowl pressure to close drain	with barbed connection
Auto drain: bowl pressure to close drain	1 bar
Operating range	1 to 17 bar
manual override facility (depress pin) barbed connection.	
Bowl sump capacity:	48 cm^3

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Dimensions (mm)



Service kits

Description	Order code
0.01 micron coalescing element kit	**P3KKA00ESC**
Adsorber element kit	**P3KKA00ESA**
Sight glass & manual drain kit	**P3KKA00BSM**
Sight glass & semi-auto drain kit	**P3KKA00BSS**
Sight glass & auto drain kit	**P3KKA00BSA**
Differential pressure indicator kit	**P3KKA00RQ**

Material Specification

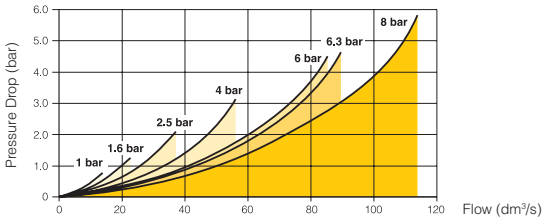
Body:	Aluminium
Sight glass:	Technopolymer
Filter cover:	Polyester
Coalescing element:	Borosilicate & felt glass fibres
Adsorber element:	Activated charcoal
Elastomers:	Nitrile NBR
Bayonet support:	Acetal
Drain:	Acetal

Differential pressure indicator materials:

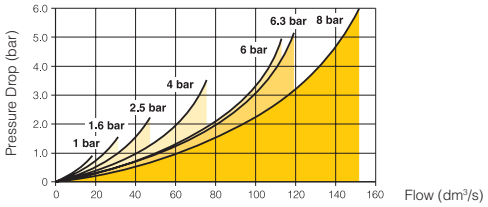
Body:	Technoplyomer
Internal parts:	Acetal
Spring:	Stainless steel
Elastomers:	Nitrile NBR
Support plate	Aluminium
Screws	Steel / zinc plated

Flow characteristics

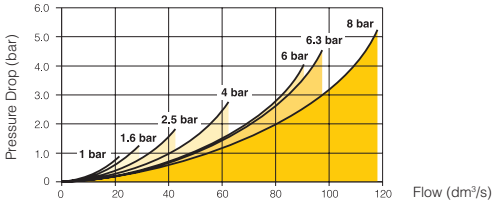
(3/8) 0.01µm Coalescing Filter



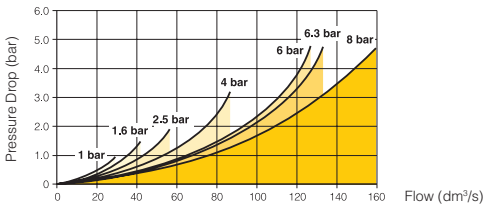
(1/2) 0.01µm Coalescing Filter



(3/8) Adsorber Filter



(1/2) Adsorber Filter



Coalescing Filters and Adsorbers

- Integral 1/2, 3/4 or 1" ports (BSPP & NPT)
- Removes liquid aerosols and sub micron particles
- Oil free air for critical applications, such as air gauging, pneumatic instrumentation and control
- 0.01µm element as standard (coalescer)
- Differential Pressure Indicator (DPI) as standard on Coalescing Filters
- One hand operation for easy element cartridge removal
- Positive bayonet latch to ensure correct & safe fitting
- No tools required for servicing
- Adsorbing activated carbon element removes oil vapours and most hydrocarbons

Note: To optimise the life of coalescing element, it is advisable to install a P3MFA pre-filter with a 5 micron element upstream of the coalescing filter.

Options:

P3	M	F	A						N

BSPP (G)	1
NPT	9

1/2	4
3/4	6
1"	8

Grade 0.01 element with PDI Standard	D
Grade 0.01 element without PDI option	C
Adsorber element without PDI option	A

Manual Drain	SM
Semi Auto Drain	SS
Auto Drain	SA

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Bowl size cm³	Height mm	Width mm	Depth mm	Weight g
1/2	Coalescing Filter, Manual drain	**P3MFA14DSMN**	44	17	-20	66	100	265	80	80	1440
1/2	Coalescing Filter, Semi auto drain	**P3MFA14DSSN**	44	17	-20	66	100	265	80	80	1430
1/2	Coalescing Filter, Auto drain	**P3MFA14DSAN**	44	17	-20	66	100	265	80	80	1460
3/4	Coalescing Filter, Manual drain	**P3MFA16DSMN**	57	17	-20	66	100	265	80	80	1420
3/4	Coalescing Filter, Semi auto drain	**P3MFA16DSSN**	57	17	-20	66	100	265	80	80	1410
3/4	Coalescing Filter, Auto drain	**P3MFA16DSAN**	57	17	-20	66	100	265	80	80	1440
1"	Coalescing Filter, Manual drain	**P3MFA18DSMN**	58	17	-20	66	100	265	80	80	1400
1"	Coalescing Filter, Semi auto drain	**P3MFA18DSSN**	58	17	-20	66	100	265	80	80	1400
1"	Coalescing Filter, Auto drain	**P3MFA18DSAN**	58	17	-20	66	100	265	80	80	1420
1/2	Adsorber Filter, Manual drain	**P3MFA14ASMN**	37	17	-20	50	100	255	80	80	1374
3/4	Adsorber Filter, Manual drain	**P3MFA16ASMN**	41	17	-20	50	100	255	80	80	1350
1"	Adsorber Filter, Manual drain	**P3MFA18ASMN**	42	17	-20	50	100	255	80	80	1312

* flow with 6,3 bar inlet pressure and 0,2 pressure drop.

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Moduflex modular air preparation system

Technical Information

Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	
Coalescing filter :	-20°C to +66°C
Adsorber filter :	-20°C to +50°C
Media specifications:	
Coalescing efficiency	(0.3 to 0.6 micron particles): 99.97%
Max. oil carryover (PPM w/w):	0.008
Typical flow with 0.01 micron element at 6,3 bar inlet pressure and 0.2 bar pressure drop:	Coalescer 57 l/s Adsorber 41 l/s
Manual drain:	twist grip open and barbed connection
Semi-auto drain: 0,2 bar @ min flow of 0,4 l/s bowl pressure to close drain	with barbed connection
Auto drain:	
bowl pressure to close drain	1 bar
Operating range	1 to 17 bar
manual override facility (depress pin) barbed connection.	
Bowl sump capacity:	100 cm^3

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

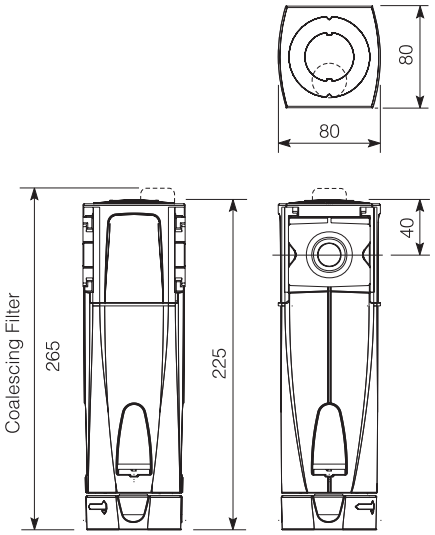
Material Specification

Body:	Aluminium
Sight glass:	Technopolymer
Filter cover:	Polyester
Coalescing element:	Borosilicate & felt glass fibres
Adsorber element:	Activated charcoal
Elastomers:	Nitrile NBR
Bayonet support:	Nylon
Drain:	Acetal

Differential pressure indicator materials:

Body:	Technoplyomer
Internal parts:	Acetal
Spring:	Stainless steel
Elastomers:	Nitrile NBR
Support plate	Aluminium
Screws	Steel / zinc plated

Dimensions (mm)

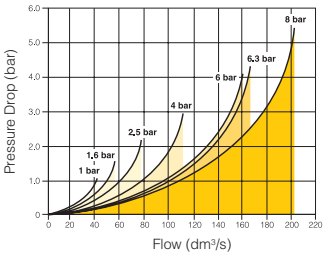


Service kits

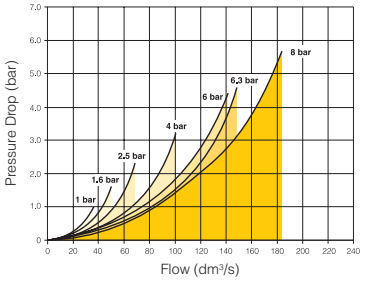
Description	Order code
0.01 micron coalescing element kit	**P3MKA00ESC**
Adsorber element kit	**P3MKA00ESA**
Sight glass & manual drain kit	**P3MKA00BSM**
Sight glass & semi-auto drain kit	**P3MKA00BSS**
Sight glass & auto drain kit	**P3MKA00BSA**
Differential pressure indicator kit	**P3MKA00RQ**

Flow characteristics

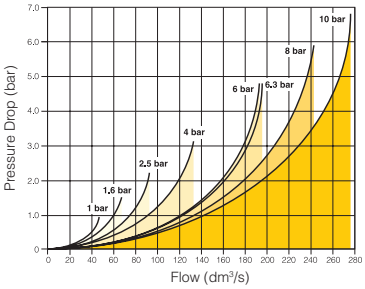
(1/2) 0.01µm Coalescing Filter



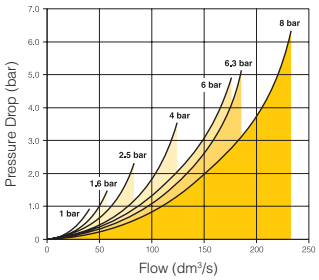
(1/2) Adsorber Filter



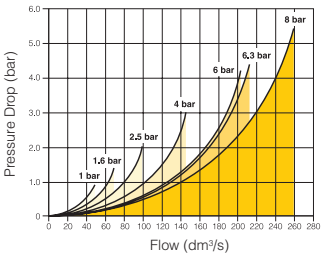
(3/4) 0.01µm Coalescing Filter



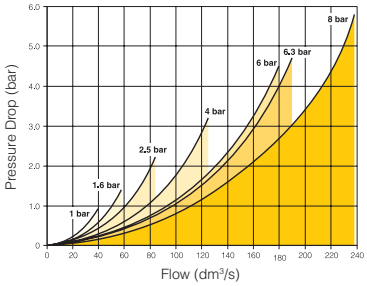
(3/4) Adsorber Filter



(1") 0.01µm Coalescing Filter



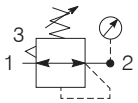
(1") Adsorber Filter



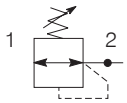
Parker Hannifin Corporation
Pneumatic Division - Europe

Regulator

Symbols



Self relieving regulator with gauge



Non relieving regulator

- Integral 1/8 or 1/4 ports (BSPP & NPT)
- Robust but lightweight aluminium construction
- Secondary pressure ranges 2, 4, 8 & 16 bar
- Rolling diaphragm for extended life
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Padlockable tamperproof kit
- Relieving & Non-relieving types
- Removable non-rising knob for panel mounting and tamper resistance.

Options:

P3 H R A [ ] [ ] [ ] **N** [ ] **P**

BSPP (G)	**1**
NPT	**9**

1/8	**1**
1/4	**2**

Relieving	**B**
Non-relieving	**N**

0 - 2 bar No Gauge	**Y**
0 - 4 bar No Gauge	**L**
0 - 8 bar No Gauge	**N**
0 -16 bar No Gauge	**H**
0 - 2 bar Gauge	**Z**
0 - 4 bar Gauge	**M**
0 - 8 bar Gauge	**G**
0 -16 bar Gauge	**J**

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Height mm	Width mm	Depth mm	Weight g
G1/8	8 bar relieving	**P3HRA11BNNP**	15	17	-20	+80	112	40	40	196
G1/8	8 bar relieving + pressure gauge	**P3HRA11BNGP**	15	17	-20	+80	112	40	78	200
G1/4	8 bar relieving	**P3HRA12BNNP**	29	17	-20	+80	112	40	40	196
G1/4	8 bar relieving + pressure gauge	**P3HRA12BNGP**	29	17	-20	+80	112	40	78	200

*flow with 10 bar inlet pressure, 6,3 bar set pressure and 1 bar pressure drop.

For Gauges: See page 77

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Technical Information

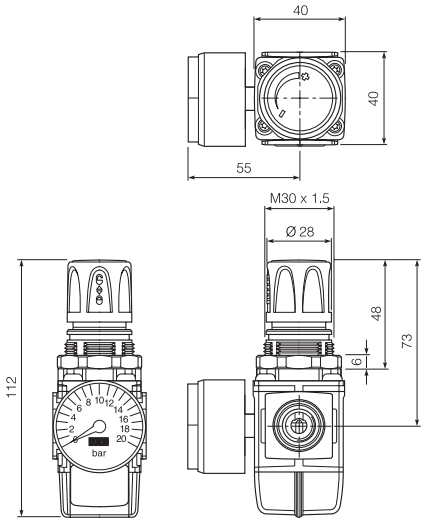
Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	-20°C to +80°C
Typical flow with 10 bar inlet pressure, 6.3 bar set pressure and 1 bar pressure drop:	29 l/s
Gauge ports (x 2):	1/8"

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Material Specification

Body:	Aluminium
Bonnet:	Glass filled polyamide
Regulator cover:	Polyester
Control Knob:	Polyamide
Valve:	Composite
Elastomers:	Nitrile NBR
Screws:	Steel / zinc plated

Dimensions (mm)



Service kits

Description	Order code
Angle bracket + metal lock ring	**P3HKA00MS**
Angle bracket + plastic lock ring	**P3HKA00MR**
Panel Mounting nut (aluminium)	**P3HKA00MM**
Plastic lock ring	**P3HKA00MP**
Diaphragm kit (relieving type)	**P3HKA00RR**
Diaphragm kit (non-relieving type)	**P3HKA00RN**
Lockable tamperproof kit	**P3HKA00AL**
Tamperproof knob kit	**P3HKA00AT**

Lockable Tamperproof Kit

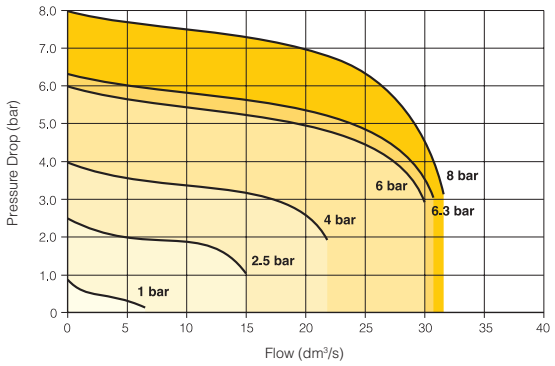
This facilitates the tamperproofing of the Reglator and Filter-Regulator units. The hinged black part clamps over the control knob and is locked in place by sliding over the yellow cover. Four pad lock location holes are provided for added security if required.

Order code
P3HKA00AL

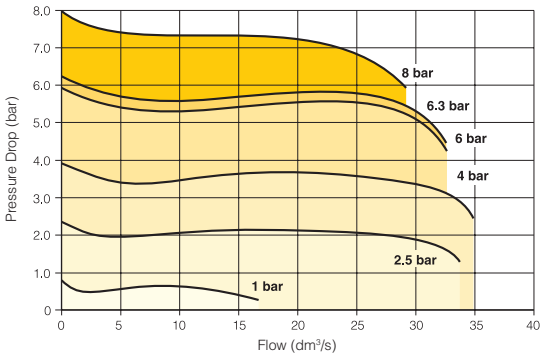
Note: Pad lock not included

Flow characteristics

Regulation characteristics: (1/8)



Regulation characteristics: (1/4)



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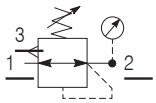
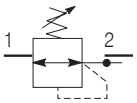
Manifold Regulators

Symbols



Self relieving regulator with gauge



Non relieving regulator

- Integral 1/4 ports (BSPP & NPT)
- Robust but lightweight aluminium construction
- Secondary pressure ranges 2, 4, 8 & 16 bar
- Rolling diaphragm for extended life
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Padlockable tamperproof kit
- Relieving & Non-relieving types
- Removable non-rising knob for panel mounting and tamper resistance.

Options:

P3	H	H	A				N		P

BSPP (G)	1
NPT	9

1/4	2

Relieving	B
Non-relieving	N

0 - 2 bar No Gauge	Y
0 - 4 bar No Gauge	L
0 - 8 bar No Gauge	N
0 -16 bar No Gauge	H
0 - 2 bar Gauge	Z
0 - 4 bar Gauge	M
0 - 8 bar Gauge	G
0 -16 bar Gauge	J

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Height mm	Width mm	Depth mm	Weight g
G1/4	8 bar relieving	**P3HRA12BNNP**	31	17	-20	+80	112	40	40	196
G1/4	8 bar relieving + pressure gauge	**P3HRA12BNGP**	31	17	-20	+80	112	40	78	200

*flow with 10 bar inlet pressure, 6,3 bar set pressure and 1 bar pressure drop.

For Gauges: See page 77

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Technical Information

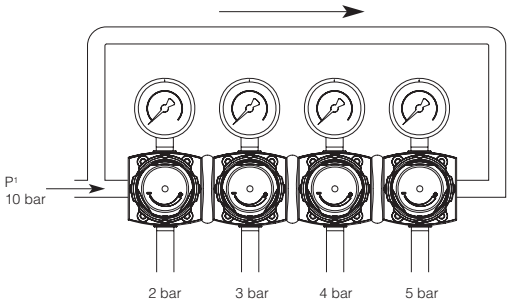
Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	-20°C to +80°C
Typical flow with 10 bar inlet pressure, 6.3 bar set pressure and 1 bar pressure drop:	31 l/s
Gauge port:	1/8”
Outlet port:	1/4”

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

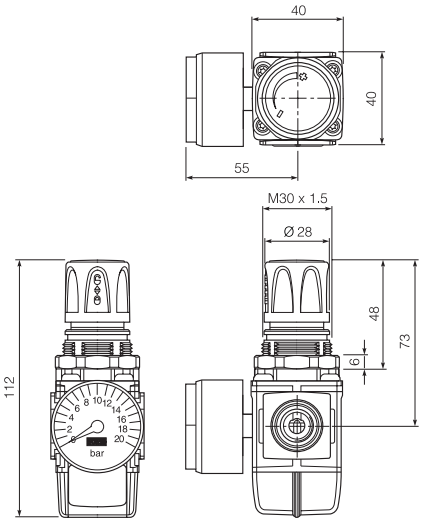
Material Specification

Body:	Aluminium
Bonnet:	Glass filled polyamide
Regulator cover:	Polyester
Control Knob:	Polyamide
Valve:	Composite
Elastomers:	Nitrile NBR
Screws:	Steel / zinc plated

Manifold Pressure Regulators

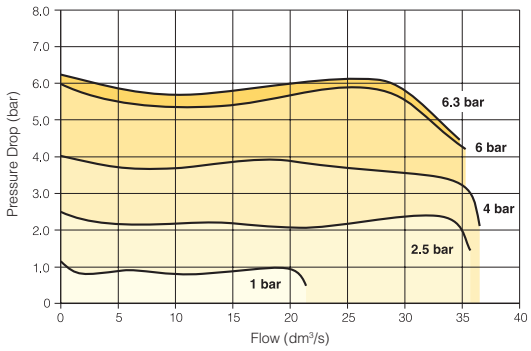


Dimensions (mm)



Flow characteristics

Regulation characteristics: (1/4)



Service kits

Description	Order code
Angle bracket + metal lock ring	**P3HKA00MS**
Angle bracket + plastic lock ring	**P3HKA00MR**
Panel Mounting nut (aluminium)	**P3HKA00MM**
Plastic lock ring	**P3HKA00MP**
Diaphragm kit (relieving type)	**P3HKA00RR**
Diaphragm kit (non-relieving type)	**P3HKA00RN**
Lockable tamperproof kit	**P3HKA00AL**
Tamperproof knob kit	**P3HKA00AT**

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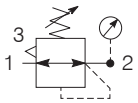
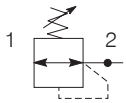
Regulator

Symbols



Self relieving regulator with gauge



Non relieving regulator

- Integral 3/8 or 1/2 ports (BSPP & NPT)
- Robust but lightweight aluminium construction
- Secondary pressure ranges 2, 4, 8 & 16 bar
- Rolling diaphragm for extended life
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Padlockable tamperproof kit
- Relieving & Non-relieving types
- Removable non-rising knob for panel mounting and tamper resistance.

Options:

P3	K	R	A					N		P

BSPP (G)	**1**
NPT	**9**

3/8	**3**
1/2	**4**

Relieving	**B**
Non-relieving	**N**

0 - 2 bar No Gauge	**Y**
0 - 4 bar No Gauge	**L**
0 - 8 bar No Gauge	**N**
0 -16 bar No Gauge	**H**
0 - 2 bar Gauge	**Z**
0 - 4 bar Gauge	**M**
0 - 8 bar Gauge	**G**
0 -16 bar Gauge	**J**

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Height mm	Width mm	Depth mm	Weight g
3/8	8 bar relieving	**P3KRA13BNNP**	63	17	-20	80	144	60	60	465
3/8	8 bar relieving + pressure gauge	**P3KRA13BNGP**	63	17	-20	80	144	60	97	540
1/2	8 bar relieving	**P3KRA14BNNP**	73	17	-20	80	144	60	60	455
1/2	8 bar relieving + pressure gauge	**P3KRA14BNGP**	73	17	-20	80	144	60	97	455

*flow with 10 bar inlet pressure, 6,3 bar set pressure and 1 bar pressure drop.

For Gauges: See page 77

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Technical Information

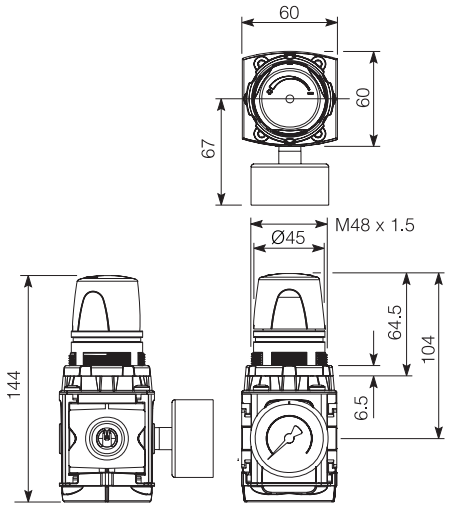
Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	-20°C to +80°C
Typical flow with 10 bar inlet pressure, 6.3 bar set pressure and 1 bar pressure drop:	73 l/s
Gauge ports (x 2):	1/4"

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Material Specification

Body:	Aluminium
Bonnet:	Glass filled polyamide
Regulator cover:	Polyester
Control Knob:	Polyamide
Valve:	Composite
Elastomers:	Nitrile NBR
Screws:	Steel / zinc plated

Dimensions (mm)



Service kits

Description	Order code
Angle bracket + metal lock ring	**P3KKA00MS**
Angle bracket + plastic lock ring	**P3KKA00MR**
Panel Mounting nut (aluminium)	**P3KKA00MM**
Plastic lock ring	**P3KKA00MP**
Lockable tamper-proof kit	**P3KKA00AL**
Tamper-proof knob kit	**P3KKA00AT**
Diaphragm kit (relieving type)	**P3KKA00RR**
Diaphragm kit (non-relieving type)	**P3KKA00RN**

Lockable Tamperproof Kit

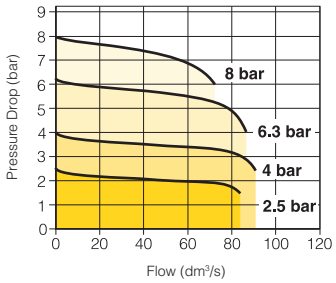
This facilitates the tamperproofing of the Reglator and Filter-Regulator units. The hinged black part clamps over the control knob and is locked in place by sliding over the yellow cover. Four pad lock location holes are provided for added security if required.

Order code
P3KKA00AL

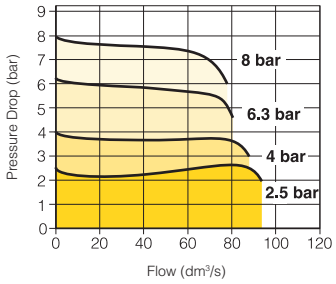
Note: Pad lock not included

Flow characteristics

Regulation characteristics: (3/8)



Regulation characteristics: (1/2)



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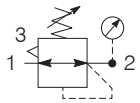
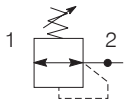
Manifold Regulators

Symbols



Self relieving regulator with gauge



Non relieving regulator

- Integral 3/8 or 1/2 ports (BSPP & NPT)
- Robust but lightweight aluminium construction
- Secondary pressure ranges 2, 4, 8 & 16 bar
- Rolling diaphragm for extended life
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Padlockable tamperproof kit
- Relieving & Non-relieving types
- Removable non-rising knob for panel mounting and tamper resistance.
- 1/2" aspirated full flow outlet port

Options:

P3	K	H	A					N		P

BSPP (G)	1
NPT	9

3/8	3
1/2	4

Relieving	B
Non-relieving	N

0 - 2 bar No Gauge	Y
0 - 4 bar No Gauge	L
0 - 8 bar No Gauge	N
0 -16 bar No Gauge	H
0 - 2 bar Gauge	Z
0 - 4 bar Gauge	M
0 - 8 bar Gauge	G
0 -16 bar Gauge	J

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Height mm	Width mm	Depth mm	Weight g
3/8	8 bar relieving	**P3KHA13BNNP**	63	17	-20	80	144	60	60	490
3/8	8 bar relieving + pressure gauge	**P3KHA13BNGP**	63	17	-20	80	144	60	97	565
1/2	8 bar relieving	**P3KHA14BNNP**	73	17	-20	80	144	60	60	480
1/2	8 bar relieving + pressure gauge	**P3KHA14BNGP**	73	17	-20	80	144	60	97	555

For Gauges: See page 77

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Technical Information

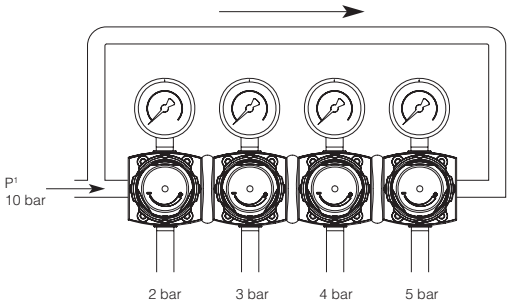
Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	-20°C to +80°C
Typical flow with 10 bar inlet pressure, 6.3 bar set pressure and 1 bar pressure drop:	73 l/s
Gauge (pressure) port:	1/4"
Outlet port:	1/2"

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

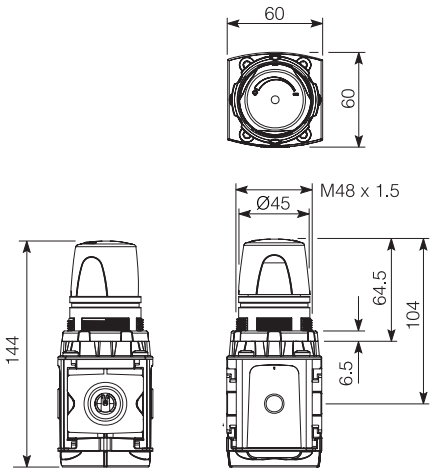
Material Specification

Body:	Aluminium
Bonnet:	Glass filled polyamide
Regulator cover:	Polyester
Control Knob:	Polyamide
Valve:	Composite
Elastomers:	Nitrile NBR
Screws:	Steel / zinc plated

Manifold Pressure Regulators

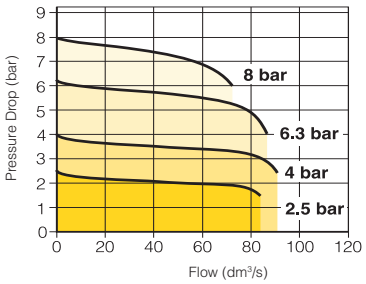


Dimensions (mm)

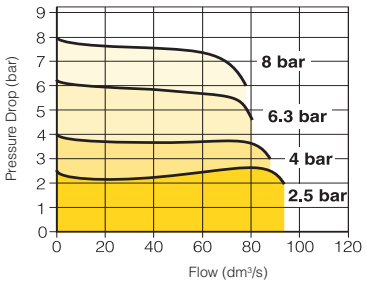


Flow characteristics

Regulation characteristics: (3/8)



Regulation characteristics: (1/2)



Service kits

Description	Order code
Angle bracket + metal lock ring	**P3KKA00MS**
Angle bracket + plastic lock ring	**P3KKA00MR**
Panel Mounting nut (aluminium)	**P3KKA00MM**
Plastic lock ring	**P3KKA00MP**
Lockable tamper-proof kit	**P3KKA00AL**
Tamper-proof knob kit	**P3KKA00AT**
Diaphragm kit (relieving type)	**P3KKA00RR**
Diaphragm kit (non-relieving type)	**P3KKA00RN**

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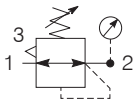
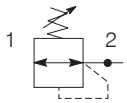
Key Lockable Regulator

Symbols



Self relieving regulator with gauge



Non relieving regulator

- Integral 3/8 or 1/2 ports (BSPP & NPT)
- Robust but lightweight aluminium construction
- Secondary pressure ranges 2, 4, 8 & 16 bar
- Rolling diaphragm for extended life
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Relieving & Non-relieving types

Options:

P3 K R A [ ] [ ] [ ] **K** [ ] **M**

BSPP (G)	**1**
NPT	**9**

3/8	**3**
1/2	**4**

Relieving	**B**
Non-relieving	**N**

0 - 2 bar No Gauge	**Y**
0 - 4 bar No Gauge	**L**
0 - 8 bar No Gauge	**N**
0 -16 bar No Gauge	**H**
0 - 2 bar Gauge	**Z**
0 - 4 bar Gauge	**M**
0 - 8 bar Gauge	**G**
0 -16 bar Gauge	**J**

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Height mm	Width mm	Depth mm	Weight g
3/8	8 bar relieving	**P3KRA13BKNM**	63	17	-20	80	186	60	60	810
3/8	8 bar relieving + pressure gauge	**P3KRA13BKGM**	63	17	-20	80	186	60	97	860
1/2	8 bar relieving	**P3KRA14BKNM**	73	17	-20	80	186	60	60	800
1/2	8 bar relieving + pressure gauge	**P3KRA14BKGM**	73	17	-20	80	186	60	97	850

*flow with 10 bar inlet pressure, 6,3 bar set pressure and 1 bar pressure drop.

For Gauges: See page 77

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Pneumatic Division - Europe

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Technical Information

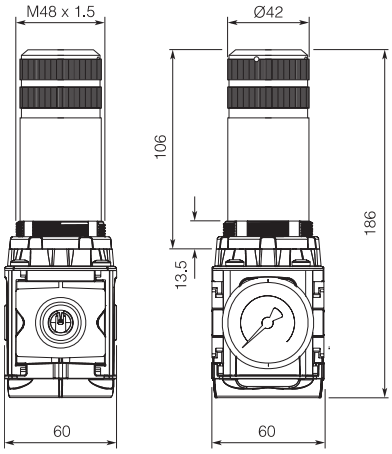
Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	-20°C to +80°C
Typical flow with 10 bar inlet pressure, 6.3 bar set pressure and 1 bar pressure drop:	73 l/s
Gauge ports (x 2):	1/4"

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Material Specification

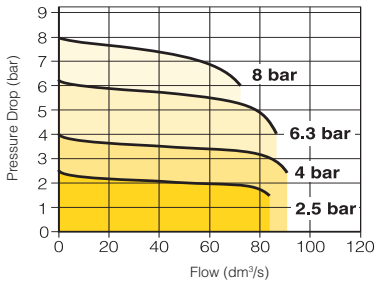
Body:	Aluminium
Bonnet:	Aluminium
Regulator cover:	Polyester
Control Knob:	Aluminium
Valve:	Composite
Elastomers:	Nitrile NBR
Screws:	Steel / zinc plated

Dimensions (mm)

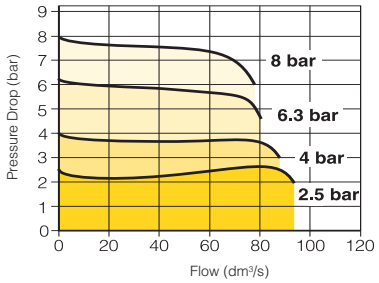


Flow characteristics

Regulation characteristics: (3/8)



Regulation characteristics: (1/2)



Service kits

Description	Order code
Angle bracket + metal panel mounting ring	**P3KKA00MS**
Panel Mounting nut (aluminium)	**P3KKA00MM**
Diaphragm kit (relieving type)	**P3KKA00RR**
Diaphragm kit (non-relieving type)	**P3KKA00RN**

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Pneumatic Division - Europe

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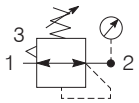
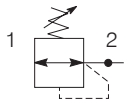
Regulator

Symbols



Self relieving regulator with gauge



Non relieving regulator

- Integral 1/2, 3/4 or 1" ports (BSPP & NPT)
- Robust but lightweight aluminium construction
- Secondary pressure ranges 2, 4, 8 & 16 bar
- Rolling diaphragm for extended life
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Padlockable tamperproof kit
- Relieving & Non-relieving types
- Removable non-rising knob for panel mounting and tamper resistance.

Options:

P3	M	R	A					N		N

BSPP (G)	1
NPT	9

1/2	4
3/4	6
1"	8

Relieving	B
Non-relieving	N

0 - 2 bar No Gauge	Y
0 - 4 bar No Gauge	L
0 - 8 bar No Gauge	N
0 -16 bar No Gauge	H
0 - 2 bar Gauge	Z
0 - 4 bar Gauge	M
0 - 8 bar Gauge	G
0 -16 bar Gauge	J

Port size	Description	Order Code	Flow l/s *	Max bar	Min temp °C	Max temp °C	Height mm	Width mm	Depth mm	Weight g
1/2	8 bar relieving	**P3MRA14BNNN**	100	17	-20	80	185	80	80	1085
1/2	8 bar relieving + pressure gauge	**P3MRA14BNGN**	100	17	-20	80	185	80	115	1135
3/4	8 bar relieving	**P3MRA16BNNN**	129	17	-20	80	185	80	80	1080
3/4	8 bar relieving + pressure gauge	**P3MRA16BNGN**	129	17	-20	80	185	80	115	1130
1"	8 bar relieving	**P3MRA18BNNN**	130	17	-20	80	185	80	80	1075
1"	8 bar relieving + pressure gauge	**P3MRA18BNGN**	130	17	-20	80	185	80	115	1125

*flow with 10 bar inlet pressure, 6,3 bar set pressure and 1 bar pressure drop.

For Gauges: See page 77

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Technical Information

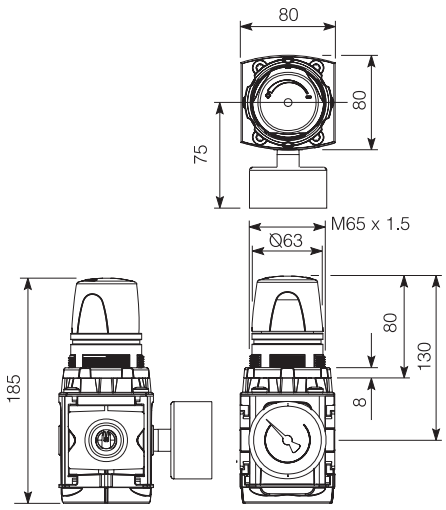
Fluid:	Compressed air
Maximum inlet pressure*:	17 bar
Temperature range*:	-20°C to +80°C
Typical flow with 10 bar inlet pressure, 6.3 bar set pressure and 1 bar pressure drop:	129 l/s
Gauge port (x 2):	1/4”

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Material Specification

Body:	Aluminium
Bonnet:	Glass filled polyamide
Regulator cover:	Polyester
Control Knob:	Polyamide
Valve:	Composite
Elastomers:	Nitrile NBR
Screws:	Steel / zinc plated

Dimensions (mm)



Service kits

Description	Order code
Angle bracket + metal lock ring	**P3MKA00MS**
Panel mounting nut (aluminium)	**P3MKA00MM**
Lockable tamper-proof kit	**P3MKA00AL**
Tamper-proof knob kit	**P3MKA00AT**
Diaphragm kit (relieving type)	**P3MKA00RR**
Diaphragm kit (non-relieving type)	**P3MKA00RN**

Lockable Tamperproof Kit

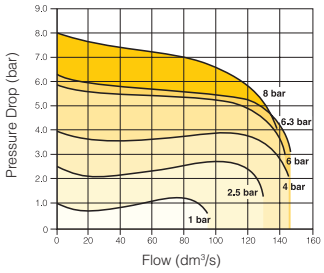
This facilitates the tamperproofing of the Reglator and Filter-Regulator units. The hinged black part clamps over the control knob and is locked in place by sliding over the yellow cover. Four pad lock location holes are provided for added security if required.

Order code
P3MKA00AL

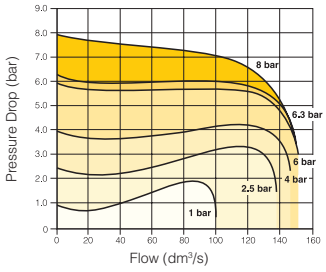
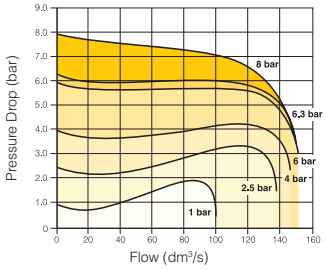
Note: Pad lock not included

Flow characteristics

Regulation characteristics: (1/2)



Regulation characteristics: (3/4)



Regulation characteristics: (1”)