

PNE300 RANGE

MODULAR FILTER - REGULATORS



High performance, sensitive unit with rolling diaphragm and with high flow rate
Lockable safety knob, over pressure relief function, high level of condensate separation.
Maximum working pressure **16 bar**.



Regulators



Dump Valves



Soft Starts



Filter Regs



Oil Filters

General Specification:

Unit	Air Filter/Regulator with Lock Nut & Oil Filters
Rated Flow	850 lt/min @ (6.3 bar-Δp=1 bar)
Port Size Main Inlet & Outlet	1/4 BSP
Take Off Ports	1/8 BSP for Pressure Gauge. None for Oil Filters
Max Working Pressure	16.bar =Filters-Regs. 10.bar=Soft Starts & Dump Valve
Proof Pressure	56 bar
Adjusting Pressure Range.	0.5 - 12 bar (0.05 - 1.25Mpa)
Fixed Pressure Range for Filter Regulators	8.bar 6.bar & 4.bar Available
Operating Temperature Range	5 - 50 °C
Filter Element Size	5 microns for Air Filter Regulators & 0.01 microns for Oil Filter
Bowl Material	Transparent Toughened Polyamide (Small. Collection=15cc)
Drain Function	Manual Operated Rotary Valve (With tube take off to suit 4mm i/d tube)
Fluid To Be Used	Air
Voltage	24v DC

Accessories

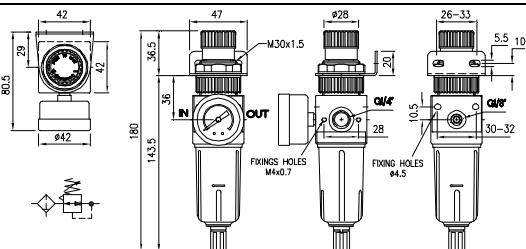
Neck Mounting Bracket	"L" Bracket (Details=Slots 5x9 x 30 Centres)	
Pressure Gauge	0-10 Ba Ø40, 1/8BSP Male	
Modular Attachment kit	1xSealing Ring, 2x M4x50 Screw + M4 Washer	
Fitting for INLET & OUTLET		

Replacements

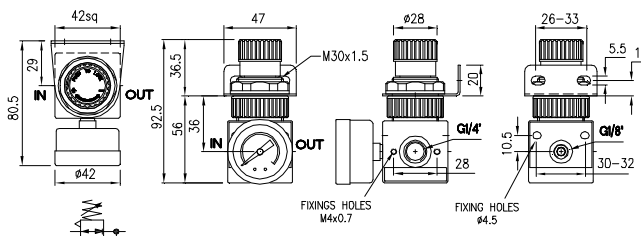
Filter Element + "O" Ring	5 microns for Air Filter Regulators	
Filter Element + "O" Ring	0.01 microns for Oil Filter	
Bowl	Transparent Toughened Polyamide (Small. Collection=15cc)	
Solenoids	24volt	

Performance Data

Based on the following endurance test set below. The estimated reliability results of up to 0.44 million cycles without failure.
Pressure :8.0-bar, Lub:..None, Air :Dry, Temp: 60°C, Load: None, Operating freq @..1/sec.



FILTER-REGULATORS



REGULATORS

Replacement for any type regulator currently in use >



PNE300U RANGE

STANDARD STOCK PART NUMBERS



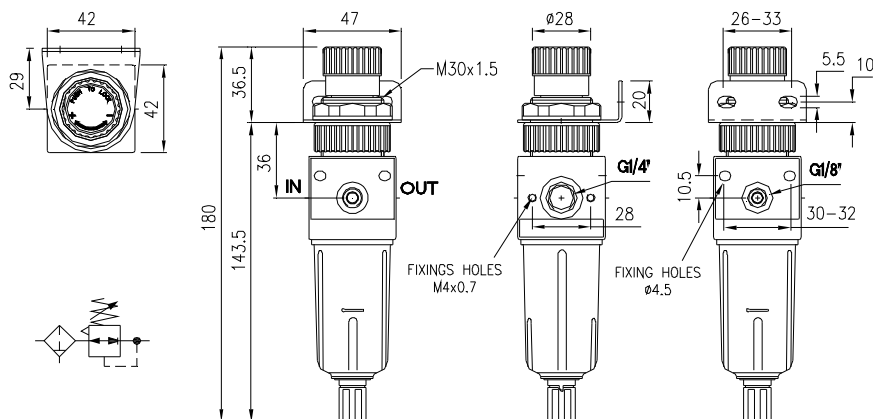
	PNE303U-01	FILTER REGULATOR (With Lock Nut) + Bracket	
	PNE303U-02	FILTER REGULATOR (With Lock Nut) +Attachment Kit (2xM4x50 & Sealing Ring)	
	PNE303UG-01	FILTER REGULATOR (With Lock Nut) + Gauge +Bracket	
	PNE303UG-02	FILTER REGULATOR (With Lock Nut) + Gauge +Bracket +6mm Push in Fitting Stud-In & Elbow-Out	
	PNE303UG6-01	FILTER REGULATOR 6 BAR MAX RESTRICTED (With Lock Nut) + Gauge +Bracket	
	PNE345UG-01	REGULATOR (With Lock Nut) + Gauge+Bracket	
	PNE346U-01	OIL FILTER +Attachment kit (2xM4x50 & Sealing Ring)	
	PNE004U	PRESSURE GAUGE 1/8BSP male. (Brass) 0-10 Bar 40mmDIA FOR FILTER -REGULATORS Requires Sealant	suitable for PNE300 Range
	KIT325-01	UNIT ATTACHMENT KIT 1xSealing Ring, 2x M4x50 Screw + Washer	ONLY for use with PNE300 Range

**NOTE: COMMON STOCK PRODUCTS AND CONFIGURATIONS ARE SHOWN ABOVE
WE CAN SUPPLY ANY OTHER COMBINATIONS REQUIRED FROM OUR LARGE RANGE OF PNEUMATIC
COMPONENTS FOR ALL VARIATIONS OF AIR PREPARTATION EQUIPMENT .**



MODULAR FILTER REGULATOR ASSY

High performance, sensitive unit with rolling diaphragm and with high flow rate,
Lockable safety knob, over pressure relief function, high level of condensate separation



Specification

Unit	Filter & Regulator with Lock Nut
Rated Flow	850 lt/min @ (6.3 bar-Δp=1 bar)
Port Size Main Inlet & Outlet	1/4 BSP
Take Off Ports	1/8 BSP for Pressure Gauge
Max Working Pressure	16 bar (1.60 MPa)
Proof Pressure	56 bar
Adjusting Pressure Range.	0.5 - 12 bar (0.05 - 1.25Mpa)
Operating Temperature Range	5 - 50 °C
Filter Element Size	5 microns
Bowl Material	Transparent Toughened Polyamide (Small. Collection=15cc)
Drain Function	Manual Operated Rotary Valve (With tube take off to suit 4mm i/d tube)
Fluid To Be Used	Air
Height	180mm
Body Width	42mm square (Fixing Holes Ø4.5)
Adjusting Cap Diameter	Ø28mm

Accessories (✓ =Fitted. ✗ =Not Fitted.)

Accessories		Part No
Neck Mounting Bracket	"L" Bracket (Details=Slots 5x9 x 30 Centres)	✓ BRK056
Pressure Gauge	Ø40, 0-10 Bar	✗ PNE004U
Unit Attachment kit	1xSealing Ring, 2x M4x50 Screw + Washer	✗ KIT025-01
Fitting for INLET		
Fitting for OUTLET		

Replacements

Replacements	Part No
Filter Element + "O" Ring	5 microns PNE303U-RK
Bowl	Transparent Toughened Polyamide (Small. Collection=15cc) PNE304U
Filter & Regulator with Lock Nut	PNE303U

Performance Data

Based on the following endurance test set below. The estimated reliability results of up to 0.44 million cycles without failure.
Pressure :8.0-bar, Lub:..None, Air :Dry, Temp: 60°C, Load: None, Operating freq @..1/sec.

MAINTENANCE INFORMATION

This Unit is designed to operate in clean, dry compressed air systems. When fitting a replacement unit we recommend that the air feed pipes and valve units are checked to ensure they are free of contamination, i.e. oil carry-over and water condensation.

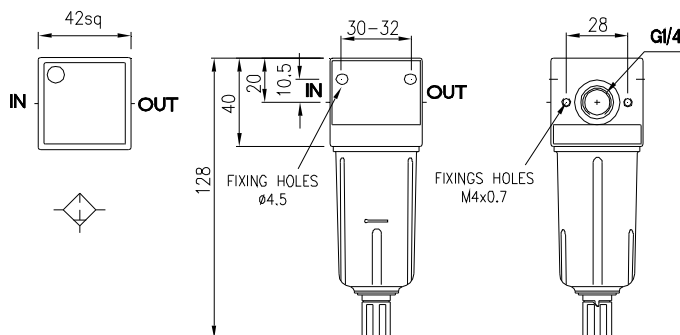
These impurities may have possibly caused the deterioration of your original equipment and by following the above checks you can help prolong the service life of this replacement unit.

It is the end users responsibility to check and maintain the quality of their compressed air and any excessive oil/water carry-over may invalidate the warranty on items designed for use on clean compressed air systems.



MODULAR OIL FILTER 0.01 + KIT

Coalescent cartridge made in microfiber, allowing a high filtration efficiency of 99.97% on 0.01 micron particles



Specification

Unit	Oil Filter
Rated Flow	180 lt/min @ (6.3 bar- $\Delta p=1$ bar)
Port Size Main Inlet & Outlet	1/4 BSP
Take Off Ports	None
Max Working Pressure	16 bar (1.60 MPa)
Proof Pressure	56 bar
Adjusting Pressure Range.	None Adjustable
Operating Temperature Range	5 - 50 °C
Filter Element Size	0.01 microns
Bowl Material	Transparent Toughened Polyamide (Small. Collection=15cc)
Drain Function	Manual Operated Rotary Valve (With tube take off to suit 4mm i/d tube)
Fluid To Be Used	Air
Height	128mm
Body Width	42mm square (Fixing Holes $\varnothing 4.5$)

Accessories

(✓ =Fitted. X =Not Fitted.)

Part No

Unit Attachment kit	1xSealing Ring, 2x M4x50 Screw + Washer	✓	KIT025-01
Fitting for INLET			
Fitting for OUTLET			

Replacements

Part No

Filter Element + "O" Ring	0.01 microns	PNE346U-RK
Bowl	Transparent Toughened Polyamide (Small. Collection=15cc)	PNE304U

Performance Data

Maximum Oil removal content :..Up to 0.01p pm.
Particle removal:.....Up to 0.01 microns

MAINTENANCE & INSTALATION INFORMATION

Install the Oil Unit:-

Fit as near as practical to door system. It is essential that a **Pre-Filter-Regulator** is installed before **Oil Filter** in the compressor air system example: - Type Filter with 5 micron element.

Oil Filter Element Replacement:-

First shut off air supply & bleed down pressure. Remove bowl & main element by hand. Fit new seal & main element. The element will need renewing max six months, either bowl is more than 1/3 full or if pressure drops. Clean bowl in soapy water.

DO NOT USE SOLVENTS AS THEY WILL DESTROY BOWL. ELEMENTS ARE NOT DESIGNED TO BE CLEANED.

It is the end users responsibility to check and maintain the quality of the vehicles compressed air system of excessive oil/water carry-over.

POST VEHICLE INSTALLATION

Any contaminants present may have caused the deterioration of your operating equipment and by fitting this unit will help prolong the service life of your equipment.

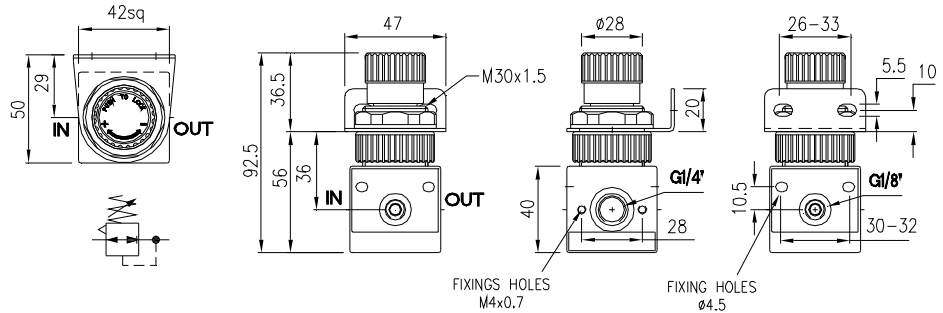
NEW VEHICLE INSTALLATION

This Unit is designed to operate as a secondary oil filter to assist in the removal of contamination in the compressed air systems. When fitting an Oil Filter Unit we recommend that the air feed pipes and valve units are checked to ensure they are free of contamination.



MODULAR REGULATOR ASSY

High performance, sensitive unit with rolling diaphragm and with high flow rate



Specification

Unit	Regulator with Lock Nut
Rated Flow	850 lt/min @ (6.3 bar-Δp=1 bar)
Port Size Main Inlet & Outlet	1/4 BSP
Take Off Ports	1/8 BSP for Pressure Gauge
Max Working Pressure	16 bar (1.60 MPa)
Proof Pressure	56 bar
Adjusting Pressure Range.	0.5 - 12.0 bar (0.05 - 1.25Mpa)
Operating Temperature Range	5 - 50 °C
Fluid To Be Used	Air
Height	92.5mm
Body Width	42mm square (Fixing Holes Ø4.5)
Adjusting Cap Diameter	Ø28mm

Accessories

(✓ =Fitted. X =Not Fitted.)

Part No

Neck Mounting Bracket	"L" Bracket (Details=Slots 5x9 x 30 Centres)	✓	BRK056
Pressure Gauge	Ø40, 0-10 Bar	X	PNE004U
Unit Attachment kit	1xSealing Ring, 2x M4x50 Screw + Washer	X	KIT025-01
Fitting for INLET			
Fitting for OUTLET			

Replacements

Part No

Performance Data

Based on the following endurance test set below. The estimated reliability results of up to 0.44 million cycles without failure.
Pressure :8.0-bar, Lub:..None, Air :Dry, Temp: 60°C, Load: None, Operating freq @..1/sec.

MAINTENANCE INFORMATION

This Unit is designed to operate in clean, dry compressed air systems. When fitting a replacement unit we recommend that the air feed pipes and valve units are checked to ensure they are free of contamination, i.e. oil carry-over and water condensation.

These impurities may have possibly caused the deterioration of your original equipment and by following the above checks you can help prolong the service life of this replacement unit.

It is the end users responsibility to check and maintain the quality of their compressed air and any excessive oil/water carry-over may invalidate the warranty on items designed for use on clean compressed air systems.