

03 Miniature FRL Series

Catalog PDE2534TCUK-ca



Polycarbonate bowls, being transparent and tough, are ideal for use with Filters and Lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydro-carbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and di-ester types.

Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents, but should not be used where strong acids or bases are present or in salt laden atmospheres. Consult the factory for specific recommendations where these conditions exist.

TO CLEAN POLYCARBONATE BOWLS USE MILD SOAP AND WATER ONLY! DO NOT use cleansing agents such as acetone, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

Metal bowl guards are recommended for all applications.

REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

A 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 The Company, 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 including consequences of any failure, 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 The Company and its subsidiaries at any time without notice.

Air Line Filters Miniature F03	4-5
Air Line Coalescing Filters Miniature M03	6-7
Air Line Regulators Miniature R03	8-9
Air Line Filter / Regulators Miniature B03	10-11
Air Line Lubricators Miniature L03	12-13
Air Line Accessories	14
Condition of Sale	

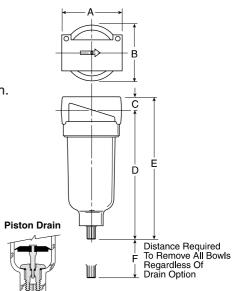
F03 Filters – Miniature



Features

- · Excellent water removal efficiency.
- Unique deflector plate that creates swirling of the air stream ensuring maximum water and dirt separation.
- · Easily disassembled for servicing without the use of tools.
- 5 micron rated element.
- 1/8" 10,4 dm³/s High Flow: 1/4" - 11,4 dm³/s

Accepts 4mm Tubing



Model Type	Port Size	Polycarbonate Bowl	Metal Bowl	
Manual Drain	1/8	F03-C1-000	F03-C1-M00	
	1/4	F03-C2-000	F03-C2-M00	
Piston Drain	1/8	F03-C1-D00	F03-C1-DM0	
	1/4	F03-C2-D00	F03-C2-DM0	
Options -To order an option supplied with the unit model, add the appropriate coded suffix letter in the designated position of the model number. For additional information on accessories and repair kits refer to the Table of Contacts				

F03 Filter Dimensions (mm)			
Α	В	С	
43	39	10	
D	D†	E	
97	99	107	
E†	F		
108	41		

[†]With Piston Drain

Metal Bowl

М

Table of Contents.

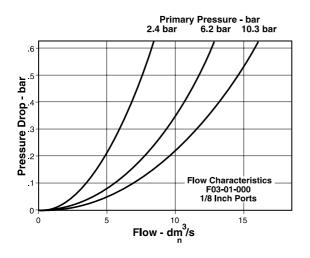
Standard part numbers shown, for other models refer to ordering information below. [‡] For polycarbonate bowl see Caution on Inside Front Cover.

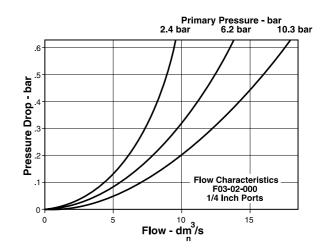
 dm^3/s = Flow at 6,3 bar and 0,3 bar pressure drop.

Ordering Information Unit Thread Pipe Function Family Options Options Options Туре Size 0 3 2 O 0 O 6 Unit Function Family **Thread Type Pipe Size** Options F Filter 03 Miniature 0 NPT 1 1/8' 0 Standard BSPP 2 Piston Drain С 1/4" D

Note: When selecting from the options columns, please enter letters in alphabetical order for positions 6, 7, and 8. For example: F 0 3 - C1 - D M 0

NOTE: 000 in position 6, 7, and 8 signifies standard product. (Poly Bowl, Manual Drain, 5 Micron Element)





F03 Filter Kits & Accessories

Bowl Kits –	
Poly Bowl – Piston Drain Manual Drain	
Metal Bowl – Piston Drain Manual Drain	
Filter Element Kit – 5 Micron Mounting Bracket Kit	

Specifications

Bowl Capacity
Port Threads 1/8, 1/4 Inch
Pressure & Temperature Ratings –
Polycarbonate Bowl – 0 to 10.3 bar 0°C to 52°C
Metal Bowl – 0 to 17.2 bar 0°C to 80°C
Piston Drain – 0.7 to 17.2 bar 52°C or less
Weight 180 g

Materials of Construction

Body Zinc
Bowls – Transparent Polycarbonate Metal (Without Sight Gauge) Zinc
Deflector, Element Holder & BafflePlastic
Drains Manual Drain –
Body & Stem Plastic
Seals Nitrile
Piston Drain – Piston & Seals Nitrile
Stem, Seat, Adaptor & Washers Aluminum
Filter Elements – 5 Micron Plastic
Seals Nitrile

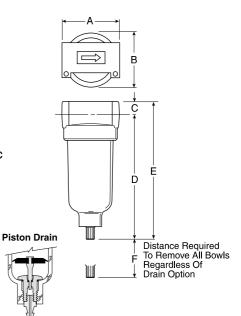
M03 Coalescing Filters – Miniature



Features

- Removes liquid aerosols and submicron particles.
- Liquids gravitate to the bottom of the element and will not re-enter the airstream.
- Oil free air for critical applications, such as air gauging and pneumatic instrumentation and controls.
- High Flow: .01 Type "C" Element 1/8" - 8 dm³/s 1/4" - 9,5 dm³/s

Accepts 4mm Tubing



Model Type	Port Size	Polycarbonate Bowl / "C" Element	Metal Bowl / "C" Element	Polycarbonate Bowl / 1.0 Micron Elemer	Polycarbonate Bowl / nt "D" Element
Manual Drai	n 1/8 1/4	M03-C1-000 M03-C2-000	M03-C1-M00 M03-C2-M00	M03-C1-S00 M03-C2-S00	M03-C1-X00 M03-C2-X00
Options - To order an option supplied with the unit model, add the appropriate coded suffix letter in position 6, 7, 8 of the model number. For additional information on accessories and repair kits refer to the Table of Contents.					

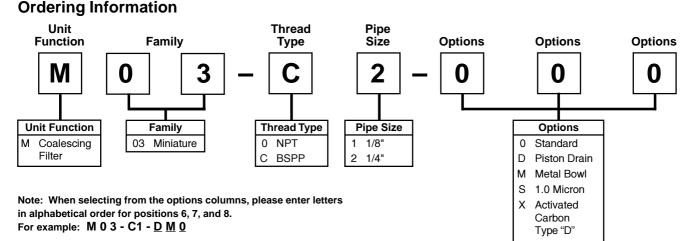
M03 Coalescing Filter Dimensions (mm)			
A B C			
43	39	10	
D	D†	Е	
97	97 99 107		
E † 108	F 41		

Standard part numbers shown, for other models refer to ordering information below. [‡] For polycarbonate bowl see Caution on Inside Front Cover.

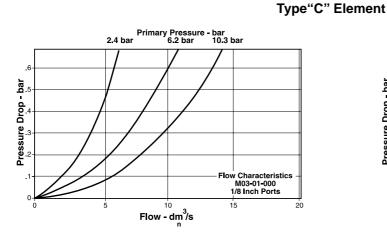
+ For polycarbonate bowr see Caution on Inside Front Cove

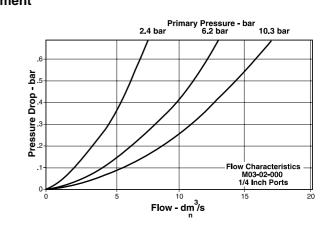
 dm^3/s = Flow at 6,3 bar and 0,3 bar pressure drop.

[†]With Piston Drain

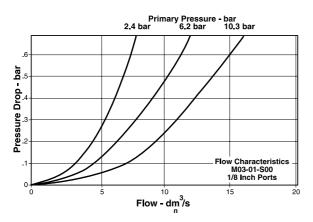


NOTE: 000 in position 6, 7, and 8 signifies standard product. (Poly Bowl, Manual Drain, .01 Micron "C" Element)





1.0 Micron Element

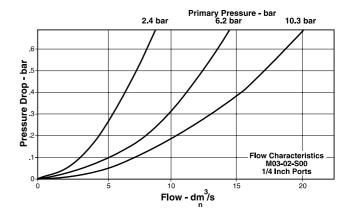


M03 Coalescing Filter Kits & Accessories

Bowl Kits –	
Poly Bowl – Piston Drain	. PS408B
Manual Drain	PS404
Metal Bowl – Piston Drain	. PS451B
Manual Drain	. PS447B
Filter Element Kits - Type "C" (Standard)	PS446
1.0 Micron (Optional)	PS456
Type "D" (Optional)	PS452
Mounting Bracket Kit	. PS417B

Specifications

Bowl Capacity	
	op0.14bar sure Drop0.3bar
Port Threads	1/8, 1/4 Inch
Pressure & Temperature Ratings	s –
Polycarbonate Bowl -	0 to 10.3 bar 0°C to 52°C
Metal Bowl –	0 to 17.2 bar 0°C to 80°C
Piston Drain –	0.7 to 17.2 bar 52°C or less
Weight	180 g



Materials of Construction

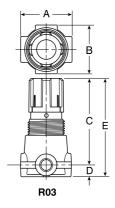
Body Zinc
Bowls – Transparent Polycarbonate Metal (Without Sight Gauge) Zinc
Drains – Manual Drain – Body & StemPlastic SealsNitrile
Piston Drain – Piston & Seals Nitrile Stem, Seat, Adaptor & Washers Aluminum
Element Holder Plastic
Filter Elements Borosilicate & Felt Glass Fibers
Seals Nitrile

R03 Regulators – Miniature



Features

- Unbalanced poppet standard.
- Solid control piston with lip seal for extended life.
- Non-rising adjusting knob.
- Compact, 78mm high by 42mm wide.
- · Easily serviced.
- High Flow: $1/8" 6.2 \text{ dm}^3/\text{s}$ $1/4" 7 \text{ dm}^3/\text{s}$



R03 Regulator Dimensions (mm)

С

70.1

D

9.6

Ε

79,8

В

40

42

Model Type	Port Size	Without Gauge 2 to 125 PSIG (0,2 to 8,6 bar)	Without Gauge 1 to 60 PSIG (0,2 to 4,1 bar)	Without Gauge 1 to 30 PSIG (0,2 to 2,1 bar)	Without Gauge 1 to 15 PSIG (0,2 to 1,0 bar)
Relieving	1/8	R03-C1-000	R03-C1-L00	R03-C1-P00	R03-C1-Q00
_	1/4	R03-C2-000	R03-C2-L00	R03-C2-P00	R03-C2-Q00
Options - To order an option supplied with the unit model add the appropriate coded suffix latter in position 6.7.8 of the model					

position 6, 7, 8 of the mode app number. For additional information on accessories and repair kits refer to the Table of Contents.

R03

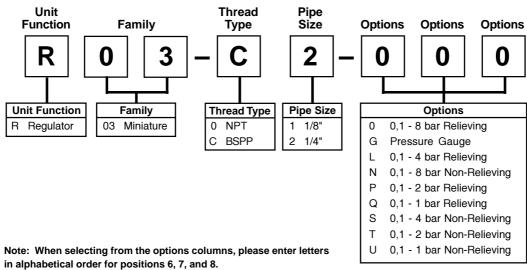
Standard part numbers shown, for other models refer to ordering information below.

NOTE:	31mm	hole	required	for	panel	mounting.
	• • • • • • •				p	

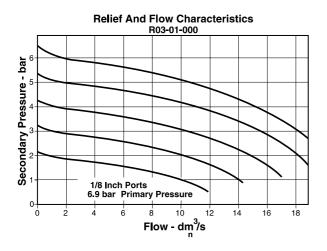
dm³/s = Flow at 6,9 bar inlet, 6,3 bar secondary setting and 0,7bar

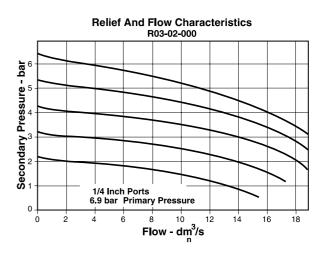
pressure drop

Ordering Information



in alphabetical order for positions 6, 7, and 8. For example: R 0 3 - 0 1 - <u>G</u> <u>L</u> 0





CAUTION:

REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

R03 Regulator Kits & Accessories

Poppet Valve Kit		PS424B
Mounting Bracket Kit	(Includes Panel Mount Nut)	PS417B
Panel Mount Nuts –	Plastic	P78652
	Metal	P01531
Service Kits -	Non-Relieving	
	Relieving	PS423
Springs –	2 bar Range	P01175
	4 bar Range	P01174
	8 bar Range	P01173
	0 - 1 bar Range	P01176
Gauges	0 - 60 psig (0 - 4 bar)	GRP-95-228
	0 - 160 psig (0 - 11 bar)	GRP-95-227

Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed maximum primary pressure rating.

Specifications

Gauge Ports (2)	1/8
Port Threads	1/8, 1/4 Inch
Pressure & Temperature Ratings –	0 to 20,7 bar
	0°C to 52°C
Secondary Pressure Ranges –	
Standard Pressure	0,1 to 8 bar
Medium Pressure	0, 1 to 4 bar
Medium Pressure	0,1 to 2 bar
Low Pressure	0,1 to 1 bar
Weight	14 g

Materials of Construction

Adjusting Nut	Brass
Adjusting Stem & Spring	Steel
Body	Zinc
Bonnet, Seat, Piston & Valve Poppet	Plastic
Seals	Nitrile

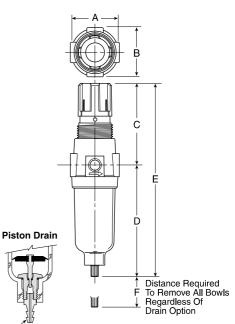
B03 Filter / Regulator – Miniature





Features

- · Excellent water removal efficiency.
- Unbalanced poppet standard.
- Solid control piston for extended life.
- Space saving package offers both filter and regulator features in one integral unit.
- Non-rising adjustment knob.
- Two full flow 1/8" gauge ports.
- High Flow: 1/8" 7,5 dm³/s 1/4" - 8,5 dm³/s



Model Type	Port Size	Polycarbonate Bowl	Metal Bowl
Manual Drain	1/8	B03-C1-0000	B03-C1-M000
	1/4	B03-C2-0000	B03-C2-M000
letter in the	designated position al information on	with the unit model, add the ap on of the model number. accessories and repair kits refe	

Accepts	4mm	Tubing ·	_

B03 Regulator Dimensions (mm)				
Α	В	С	D	
41	40	68	96	
D†	Е	E†	F	
98	164	226	41	

[†]With Piston Drain

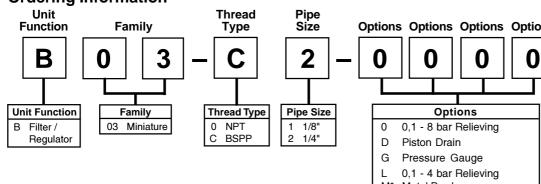
Standard part numbers shown, for other models refer to ordering information below.

[‡] For polycarbonate bowl see Caution on Inside Front Cover.

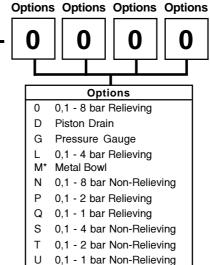
dm³/s = Flow at 6.9 bar inlet, 6,3 secondary setting and0,7 bar pressure drop

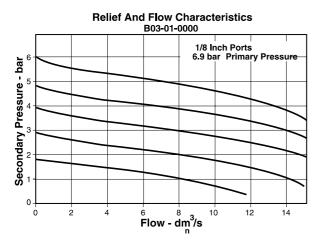
NOTE: 31mm hole required for panel mounting.

Ordering Information



Note: When selecting from the options columns, please enter letters in alphabetical order for positions 6, 7, 8 and 9. For example: B 0 3 - C1 - D M 0 0





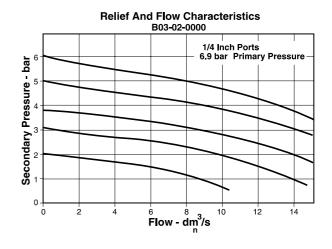
CAUTION:

REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

B03 Filter / Regulator Kits & Accessories

Bowl Kits –	
Poly Bowl –	Piston Drain PS408B Manual Drain PS404
Metal Bowl –	Piston Drain PS451B Manual Drain PS447B
Filter Element Kit	-
	5 Micron PS403
Gauges –	
	0 -60 psig (0 - 4 bar) GRP-95-228
	0 - 160 psig (0 - 11 bar) GRP-95-227
Mounting Bracket Panel Mount Nut	Kit (Includes Panel Mount Nut) PS417B
	Plastic P78652
	Metal
Poppet Valve Kit Service Kits –	PS424B
	Non-RelievingPS422
	RelievingPS423
Springs –	
	1 bar range P01176 2 bar range P01175 4 bar range P01174 8 bar range P01173



Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed maximum primary pressure rating.

Specifications

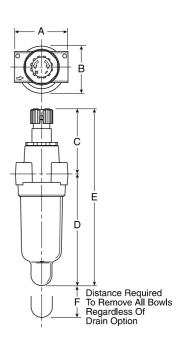
- Bowl Capacity	
Gauge Ports (2)	1/8 Inch
Port Threads	1/8, 1/4 Inch
Pressure & Temperature Ratings	-
Polycarbonate Bowl	0 to 10,4 bar, 0°C to 52°C
Metal Bowl	0 to 17,3 bar, 0°C to 80°C
Secondary Pressure Ranges –	
Standard Pressure	0,1 to 8 bar
Medium Pressure	0,1 to 4 bar
Medium Pressure	0,1 to 2 bar
Low Pressure	0,1 to 1 bar
Weight Materials of Construct	
	-
Adjusting Nut Brass	-
Adjusting Nut	
Adjusting Nut Brass	
Adjusting Nut Brass Adjusting Stem & Spring	Steel Zinc
Adjusting Nut Brass Adjusting Stem & Spring Body Bonnet, Knob, Seat, Piston, Hole Bowls – Transparent	
Adjusting Nut Brass Adjusting Stem & Spring Body Bonnet, Knob, Seat, Piston, Hole Bowls – Transparent Metal (Without Sight Gauge Drains – Manual Drain –	der & Deflector
Adjusting Nut Brass Adjusting Stem & Spring Body Bonnet, Knob, Seat, Piston, Hole Bowls – Transparent Metal (Without Sight Gauge Drains – Manual Drain –	
Adjusting Nut Brass Adjusting Stem & Spring Body Bonnet, Knob, Seat, Piston, Hole Bowls – Transparent Metal (Without Sight Gauge Drains – Manual Drain – Body & Stem	der & Deflector
Adjusting Nut Brass Adjusting Stem & Spring Body Bonnet, Knob, Seat, Piston, Hole Bowls – Transparent Metal (Without Sight Gauge Drains – Manual Drain – Body & Stem	
Adjusting Nut Brass Adjusting Stem & Spring Body Bonnet, Knob, Seat, Piston, Hole Bowls – Transparent Metal (Without Sight Gaug Drains – Manual Drain – Body & Stem Seals Piston Drain – Piston & Seals	der & Deflector
Adjusting Nut Brass Adjusting Stem & Spring Body Bonnet, Knob, Seat, Piston, Hole Bowls – Transparent Metal (Without Sight Gaug Drains – Manual Drain – Body & Stem Seals Piston Drain – Piston & Seals Stem, Seat, Adaptor &	der & Deflector
Adjusting Nut Brass Adjusting Stem & Spring Body Bonnet, Knob, Seat, Piston, Hole Bowls – Transparent Metal (Without Sight Gaug Drains – Manual Drain – Body & Stem Seals Piston Drain – Piston & Seals Stem, Seat, Adaptor &	der & Deflector

L03 EconOmist Lubricators – Miniature



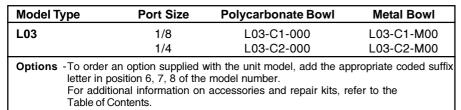
Features

- Proportional oil delivery over a wide range of air flows.
- Precision needle valve assures repeatable oil delivery and provides simple adjustment of delivery rate.
- Ideal for low and high flow applications with changing air flow.
- Transparent sight dome for 360° visibility.
- High Flow: $1/8" 9.4 \text{ dm}^3/\text{s}$ $1/4" - 9.4 \text{ dm}^3/\text{s}$



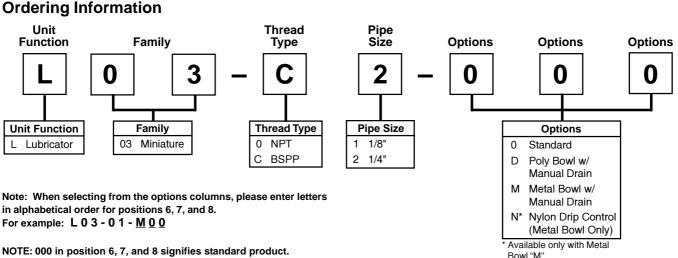
L03 Lubricator Dimensions (mm)			
A	B	C	
44	40	55	
D	D↑	Е	
92	96	147	
E † 151	F 41		

[†]With Twist Drain

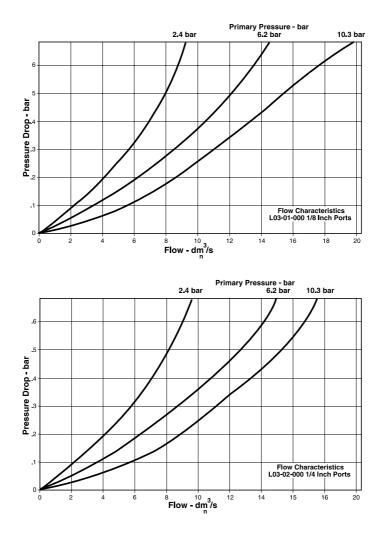


Standard part numbers shown, for other models refer to ordering information below. [‡] For polycarbonate bowl see Caution on Inside Front Cover.

 dm^3/s = Flow at 6,3 bar inlet and 0,3 bar pressure drop



(Poly Bowl, No Drain)



L03 EconOmist Lubricator Kits & Accessories

Bowl Kits –	
Poly Bowl – No Drain	PS421
Manual Drain	PS420
Metal Bowl – Manual Drain (No Sight Gauge)	PS447B
Mounting Bracket Kit	PS419

Specifications

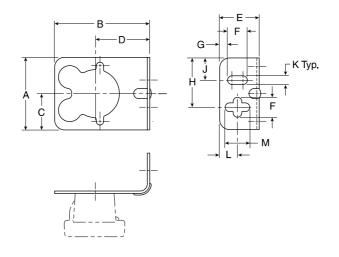
Bowl Capacity	
Minimum Flow for Lubrication	0,3 dm ³ /s at 6,9 bar
Port Threads	1/8, 1/4 Inch
Pressure & Temperature Ratings	s –
Polycarbonate Bowl -	0 to 10.3 bar
	0°C to 52°C
Metal Bowl –	0 to 17.2 bar
	0°C to 80°C
Suggested Lubricant	

(DO NOT USE OILS WITH ADDITIVES, COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, DETERGENTS, OR SYNTHETIC OILS.)

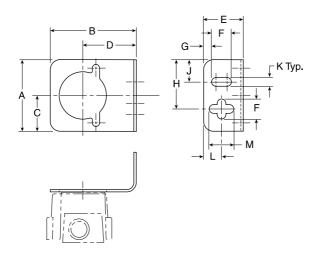
Weight 180 kg

Materials of Construction

Body	Zinc
Bowls – Transparent	Polycarbonate
Metal (Without Sight Gauge)	Zinc
Drains - Manual - Body & Nut	Plastic
Seals	Nitrile
Sight Dome	Polycarbonate



PS417B (Includes Panel Mount Nut)



PS419

Dimensions (mm)

	Α	В	С	D	Е	F	G	н	J	к	L	м	Part No
mm	46	60	23	34	25	13	5	31	14	6	11	16	PS417B (F03, M03, R03, B03)
mm	46	55	23	34	25	13	5	31	14	6	11	16	PS419 (L03)

WILKERSON[®]

Parker Hannifin plc **Conditions of Sale**

Goods sold under these conditions are subject to retention of title - Condition 10

9

DEFINITIONS In these Conditions: "the Company" means Parker Hannifin plc including all divisions and businesses thereof and any subsidiary undertaking thereof (as defined in Sections 258 and 259 Companies Act 1985 as amended);

Act 1985 as amended); "Conditions" means the Standard Conditions of Sale set out in this document together with any special terms agreed in writing between the Company and the Buyer; "Contract" means any contract between the Company and the Buyer for the sale and purchase of the Goods formed in accordance with Condition 2; "the Buyer" means any company, firm or individual or agent thereof to whom the Company's quotation or acknowledgement of order is addressed; "the Goods" means the products (including any parts or accessories), materials and/or services to be supplied by the Company. APPLICABILITY OF CONDITIONS The Gorder exploring contracts or the numbuly of Conder white these Conditions.

be supplied by the Company. APPLICABILITY OF CONDITIONS The Company concludes Contracts for the supply of Goods subject only to these Conditions. The Buyer accepts that these Conditions shall govern relations between himself and the Company to the exclusion of any other terms and conditions including, without limitation, conditions and warranties written or oral express or implied even if contained in any of the Buyer's documents which purport to provide that the Buyer's own terms and conditions shall prevail. No variation or qualification of these Conditions or of any quotation or Contract arising here from shall be valid unless agreed in writing by the Secretary or a Director of the Company or other person duly authorised by the Board of Directors of the Company. QUOTATIONS The Company's guotations are given without commitment and no Contract between the Company

6

QUOTATIONS The Company's quotations are given without commitment and no Contract between the Company and the Buyer shall arise unless and until the Company has accepted in writing the Buyer's order placed on the Company's quotation. Quotations shall be valid for a period of 30 days from the date of issue, or (if different) the period specified with the quotation itself. REPRESENTATIONS No employee of the Company other than the Secretary or a Director of the Company is authorised to make any statement or representations as to the Goods, save that this restriction shall not apply to any notice or statement containing a warning or restriction of use ("Warnings") which may be provided in connection with the Goods. Subject to such Warnings, the Buyer, therefore, shall not be entitled to rely or to seek to rely upon any statement or representation made by an employee or agent of the Company other than the Secretary or a Director. PRICES

PRICES 5

(i) Subject to Condition 3, prices contained in a quotation price list catalogue and similar matter shall be based upon current costs ruling at the date thereof and are for guidance only. Subject to the later provisions of this Condition 5 the contract price shall be the price current at the date of delivery of the goods and/or when services are performed as the case may be. Subject to the later provisions of this Condition 5 the contract price shall be the price current at the date of delivery of the goods and/or when services are performed as the case may be. (ii). Where firm prices are agreed (including without limitation any quotation where the price is fixed pursuant to Condition 3) the prices will remain firm provided that full information permitting manufacture to proceed is received by the Company promptly after acknowledgement of the order by the Company, and further provided the Buyer takes delivery of the order when ready. If delivery of the order or any part thereof is delayed at the 'Buyer's request or through the Buyer's failure to provide the full information mentioned above, the Company reserves the right to amend the price of the undelivered portion to the Company's price list prevailing at the date when delivery is made.
(iii). Where a quotation is given dependent on information supplied by the Buyer, the Buyer will be responsible for the accuracy of the information given, and for the supply of all relevant particulars. Any increased cost incurred either during or after manufacture resulting f r o m any inaccuracy or omission shall be borne by the Buyer alone and shall be paid promptly, and independently of the main contract price.
(i). Delivery shall be deemed to occur and the risk of loss or damage of any kind in the Goods shall pass to the Buyer on whichever of the following events occur earlier.
(a) collection by or on behalf of the Buyer or servant)
(b) 14 days from the date of notice given by a carrier for despatch to the Buyer (whether or not such carrier be the Company's agent or servant)
(b) 14 days from the date of notice given by the Company that the Goods are ready for collection or or despatch.

(ii) 14 days from the date of notice given by the Company that the Goods are ready for collection or despatch.
(iii) In the event that the Company shall at the specific request of the Buyer store the Goods or arrange for the Goods to be despatched or dealt with otherwise than by collection by the Buyer then the Buyer shall pay to the Company any reasonable charges made in the Company's absolute discretion for the provision or procurement of such services. Any such services provided by the Company shall be performed subject to these Conditions. In the event that such services are to be provided by a carrier or other third party then the Guyer shall indemnify the Company against any cost, charge liability or expense (including demurrage) thereby incurred by the Company.
(iii) The Buyer shall carefully examine the Goods on receipt of the same and shall by written notice to be received by the Company within 21 days of receipt of the Goods notify the Company or any shell be discharged from all liability in respect of such defects or short or over delivery.

(iv) If the Buyer neglects to serve notice under sub Condition (iii) above of any over delivery.
(iv) If the Buyer neglects to serve notice under sub Condition (iii) above of any over delivery then the Company may at its option either repossess the excess Goods or invoice them and be paid forthwith by the Buyer for the excess Goods at the price ruling at the date of the excess.

them and be paid forthwith by the Buyer for the excess Goods at the price ruling at the date of delivery. TIME FOR AND FORM OF DELIVERY (). The Company will use reasonable commercial endeavours to deliver the Goods and to perform services in accordance with any time stated in the contract but time of delivery or performance shall not be of the essence to the contract. Any such times are stated by way of general information only and in the event of failure to despatch or deliver or perform within such times for any cause (whether within or) outside the Company's reasonable control, the same shall not be a breach or repudiation of the contract to shall the Company have any liability to the Buyer for any direct, indirect or consequential loss (all three of which terms include without limitation pure economic loss, loss of profits, loss of business, depletion of goodwill and like loss) however caused (including as a result of negligence) by delay or failure in delivery will not entitle the Buyer to cancel the order unless and until the Buyer has given 60 days' written notice to the Company requiring delivery to be made and the Company have not fulfilled delivery within that time. If the Buyer than cancels the order: (a) the Company has not fulfilled delivery will be under no liability to make any payments in respect of that cancelled order; and (b) the Buyer any sums the Buyer has paid to the Company in respect of that cancelled order. order

(ii) (a) If the Contract does not otherwise provide the Company shall be entitled to deliver Goods by single delivery or by instalments at its option. (b) If the Contract provides for delivery by instalments or the Company so elects each instalment shall be deemed to be the subject of a separate contract on these conditions and without prejudice to sub-paragraph (i) hereof non-delivery or delay in delivery shall not affect the balance of the contract nor entitle the Buyer to terminate the same. (iii) In the event that the Goods shall not have been collected by or on behalf of the Buyer or by a carrier for despatch to the Buyer within 14 days of the Company's written notice pursuant to Condition 6 (i) (b) hereof then the Company may at any time thereafter send to the Buyer a further notice notifying the Buyer of the Company's intention to sell the same after the expiration of a period of not less than 7 days from the date of the notice and any such sale by the Company may be on a forced sale basis. The Buyer shall be lable for the Company's hall charges and expenses for the sale and for the storage of the Goods (which shall be at the risk of the Buyer) pending their sale hereunder or delivery to the Buyer. The Company shall charge all costs incurred on a weekly basis for storage. PERFORMANCE PREVENTED OR HINDERED The Company's control or that of its servants or agents, and if the delay or failure has continued for a period of 3 months then either party may give notice in writing to the other determining the contract and on such termination the Company shall ferdued to the Buyer the price of the Company's control or that of its servants or agents, and if the delay or failure has continued for a period of 3 months then either party may give notice in writing to the other determining the contract and on such termination the Company shall reduction of any amount due to the Company including any amount inder Contain 17 hereof.

(i). Unless expressly agreed in writing payment shall be made in sterling in cleared funds without any deduction set-off, restriction condition or deferment on account of any disputes or cross claims or present or future taxes, levice, duties or charges whatsoever (unless and to the extent the Buyer is required by law to make such deduction) on or before the last day of the month following the month of the invoice for the Goods. Where full payment is not received by the due date interest shall accrue on the sum outstanding at the rate of 3% per annum above the base rate of Lloyds Bank plc (as varied from time to time) calculated on a daily basis but without prejudice to the Company's rights to receive payments on the due dates. (ii). Time for payment shall be of the essence and in the event of delay or default in any payment for more than 7 days, the Company shall be entitled to suspend deliveries of Goods to evolve and/or treat the Contract (and any other Contract between the Company and the Buyer) as repudiated and/or re sell any of the Goods in its possession and be indemnified by the Buyer for any loss thereby incurred. (i). Unless expressly agreed in writing payment shall be made in sterling in cleared funds

for any loss thereby incurred.

(iii). All sums payable to the Company under the Contract will become due immediately on teri ation of the Contract.

ination of the Contract. (iv). The Buyer shall pay for any samples, sale or return, Ioan or demonstration goods and/or materials, including drawings, plans, specifications etc. not returned within one month from the date of receipt by the Buyer unless a different period for the return of such goods and/or materials is agreed between the Company and the Buyer. PROPERTY IN GOODS (i) The Company shall retain absolute ownership of the property in the Goods which shall not pass to the Buyer and the Buyer shall keep and retain the Goods as bailee for and on behalf of the Company and shall deliver up the Goods to the Company at the Company's request until the Company has received full payment of the price of the Goods and full payment of any other sums whatsoever which are outstanding from the Buyer to the Company whether or not due and owing, and until such time the Buyer: (a) shall insure the Goods agrinst the usual risks with an insurance office of repute; (b) shall istore separately the Goods or is nome other way ensure that the Goods are readily identifiable as the property of the Company;

(b) shall store separately the Goods of in some other way ensure that the Goods are readily identifiable as the property of the Company;
(c) irrevocably authorises the representatives of the Company at any time in circumstances where the provisions of Condition 19 may apply to enter the Buyer's premises where the Goods are or are thought by the Company to be stored for the purpose of repossessing the Goods;
(d) shall keep and retain the Goods free from any charge lien or other encumbrance thereon.

(i) Sharkeep and retain the doods nee from any charge rise of other enclution and the enclution and the enclution of the e Goods).

(iii). If the Buyer incorporates any Goods within other equipment or products provided that the

(iii). If the Buyer incorporates any Goods within other equipment or products provided that the Goods remain readily identifiable and a removable part of such other equipment or products the provisions of Condition 10(i) shall apply.
(iv). If the provisions of Condition 10(iii) apply the Buyer shall store separately the other equipment or products incorporating the Goods and shall notify the Company of the precise location and position thereof. The provisions of Condition 10(ii) hereof shall apply mutatis mutandis in respect of the Goods contained within such other equipment or products owned by the Company. by the Company.

mutandis in respect of the Goods contained within such other equipment or products owned by the Company. (v). The Company shall be entitled to exercise a general lien or right of retention on all goods or any parts thereof in the Company's possession which are the Buyer's property for any sums whatsoever due to the Company and pursuant to such lien or right the Company shall be entitled without notice to the Buyer to sell all or any part of such Goods or aput thereof privately or by auction or otherwise and to keep the proceeds of sale in diminution of such sums and of all costs and expenses incurred by the Company in effecting the said sales. WARANTY AND LIMITATION OF LIABILITY (i). The Company warrants that products, parts or materials manufactured by it will be of good materials and workmanship and that reasonable care will be employed in assembling or incorporating items not manufactured by it and in performing services so that upon the Buyer giving written notice to the Goods have not been supplied or services performed as aforesaid if the same be established the Company will its own expense at its option replace or repair such defective goods or remedy such defaults in service. The warranty obligation shall not apply where the Goods have been tampered with, improperly altered, repaired or maintained, installed or connected or subject to misuse (in each case other than as a result of the Company for inspection. (ii). The same term shall apply mutatis mutandis in respect of such replacement, repair or remedial services. (iii). The above warranty shall apply in respect of matters whereof the Buyer gives written notice within 12 months of delivery or 6 months from installation (whichever is

WILKERSON[®]

11





WILKERSON[®]

Wilkerson Operations

1201 West Mansfield Avenue Englewood, CO 80110 USA Tel: (303) 761-7601 Fax: (303) 783-2300 Web: www.wilkersoncorp.com

Parker Hannifin plc

Wilkerson Service Centre Walkmill Lane, Bridgtown, Cannock, Staffs. WS11 0LR United Kingdom Tel: 01543 456000 Fax: 01543 456001 Web: www.parker.com/euro_pneumatic

We reserve the right to make alterations without prior notification. Edition 06.04