

Miniature Modular FRL's 08 Series

Filters-Regulators-Lubricators



Miniature Modular FRL's 08 Series

Rexroth
Bosch Group

Filters, Regulators, Lubricators and more

The Rexroth 08 Series Miniature Modular FRL's also include safety lock-out valves and diverter blocks. Standard filtration is 5 micron, and the coalescing models feature 0.01 micron filtration. Modular individual components are available for quick assembly, or order complete FRL or FR units already assembled. The 08 Series features a high flow capacity and a modern design and appearance.

- **Miniature size**
- **Lightweight**
- **High flow capacity**
- **Quick disconnect bowls for easy service**
- **1/8" and 1/4" NPT ports**
- **Modern design and appearance**
- **5 or 0.01 micron filtration**
- **Flush mounted pressure gauge**
- **Metal bowls available**
- **"Fill-under-pressure" lubricator**
- **Easily combine components using joiners**
- **Safety lock-out valves**
- **Diverter blocks**



Miniature F-R-L Units

Miniature Modular 08 Series F-R-L

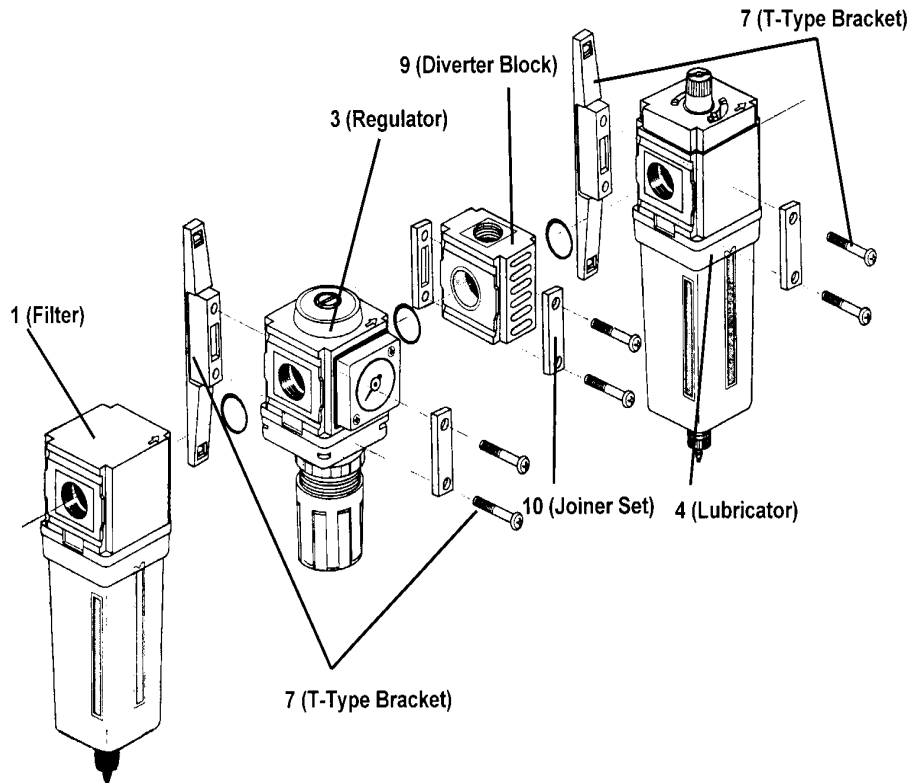
Rexroth
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Miniature Modular 08 Series F-R-L's Overview

PF08 Filters	5 micron element
PM08 Coalescing Filters	0.01 or 0.5 micron element
PR08 Regulators	0-125 psig
PL08 Lubricators	Integral clear sight dome
PB08 Filter/Regulator	Integral filter/regulator
PD08 Filter/Reg.-Lubricator	Integral F/R plus lubricator
PC08 Filter-Reg.-Lubricator	F-R-L assembly
PV08 Safety Lock-out Valve	Lockable 3-way valve
PN08 Diverter Block	Mounts anywhere in FRL system



Exploded View 08 Series FRL's



Available as Filter-Regulator-Lubricator combination, Filter/Regulator-Lubricator combination, Integral Filter-Regulator, or as individual modular components to make a custom assembly.

Miniature F-R-L Units

Miniature Modular 08 Series F-R-L

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PF08 FILTER and PM08 COALESCING FILTER

Materials:

Body		Zinc
Bowl	Plastic Bowl	Polycarbonate
	Metal Bowl	Zinc
Bowl Guard		Nylon
Filter Element	PF08	Sintered Polyethylene, 5 micron
	PM08 Coalescing	Borosilicate Cloth, 0.01 or 0.5 micron
Seals		Buna N

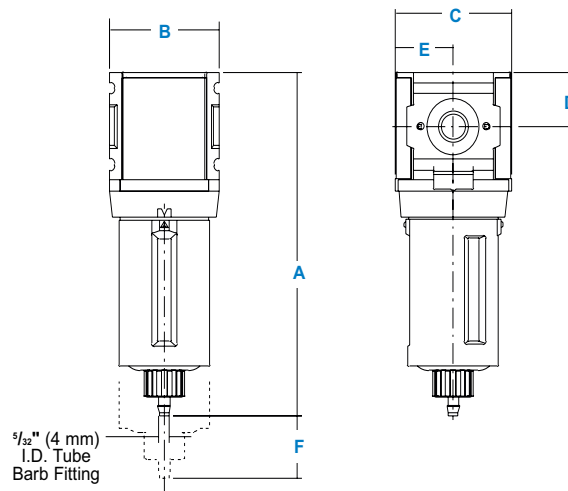
► Features quick disconnect bowl



► FILTERS - Item No. 1*

Part Number	Bowl Type/ Filtration	Description	Pipe Size (NPT)	Max. SCFM	Max. PSIG	Max., Temp. (°F)	Bowl Capacity (Oz.)	Weight (lbs.)
PF08-01-SK00	Plastic/5	Manual Drain	1/8	25.0	150	125	0.4	0.50
PF08-01-SL00	Metal/5	Manual Drain	1/8	25.0	250	150	0.4	0.50
PF08-02-SK00	Plastic/5	Manual Drain	1/4	50.0	150	125	0.4	0.50
PF08-02-SL00	Metal/5	Manual Drain	1/4	50.0	250	150	0.4	0.50
PF08-01-SR00	Plastic/5	Automatic Piston Drain	1/8	25.0	150	125	0.4	0.50
PF08-01-SS00	Metal/5	Automatic Piston Drain	1/8	25.0	250	150	0.4	0.50
PF08-02-SR00	Plastic/5	Automatic Piston Drain	1/4	50.0	150	125	0.4	0.50
PF08-02-SS00	Metal/5	Automatic Piston Drain	1/4	50.0	250	150	0.4	0.50
PM08-02-CK00	Plastic/0.01	Coalescing-Man. Drain	1/4	15.5	150	125	0.4	0.40
PM08-02-CL00	Metal/0.01	Coalescing-Man. Drain	1/4	15.5	250	150	0.4	0.40
PM08-02-CR00	Plastic/0.01	Coalescing-Auto Drain	1/4	15.5	150	125	0.4	0.40
PM08-02-CS00	Metal/0.01	Coalescing-Auto Drain	1/4	15.5	250	150	0.4	0.40
PM08-02-BK00	Plastic/0.5	Coalescing-Man. Drain	1/4	15.5	150	125	0.4	0.40
PM08-02-BL00	Metal/0.5	Coalescing-Man. Drain	1/4	15.5	250	150	0.4	0.40
PM08-02-BR00	Plastic/0.5	Coalescing-Auto Drain	1/4	15.5	150	125	0.4	0.40
PM08-02-BS00	Metal/0.5	Coalescing-Auto Drain	1/4	15.5	250	150	0.4	0.40

*Item number refers to exploded view drawing on page 1.
Activated carbon filter element available, contact factory.



A	B	C	D	E	F
4.58	1.58	1.68	.72	.84	1.31

Dimensions in inches

Miniature F-R-L Units

Miniature Modular 08 Series F-R-L

Rexroth
Bosch Group

PR08 REGULATOR

Materials:

Body	Zinc
Adjustment Knob	Acetal
Diaphragm & Valve Assembly	Brass/Buna N
Springs	Steel
Seals	Buna N



REGULATORS - Item No. 3*

Part Number	Gauge	Description	Pipe Size (NPT)	Max. SCFM	Max. PSIG	Max., Temp. (°F)	Weight (lbs.)
PR08-01-F000	none	Relieving, 0-125 psi	1/8	29.2	300	150	.66
PR08-01-F0G0	0-160 psi	Relieving, 0-125 psi	1/8	29.2	300	150	.66
PR08-02-F000	none	Relieving, 0-125 psi	1/4	44.0	300	150	.66
PR08-02-F0G0	0-160 psi	Relieving, 0-125 psi	1/4	44.0	300	150	.66
PR08-01-R000	none	Nonrelieving, 0-125 psi	1/8	29.2	300	150	.66
PR08-01-R0G0	0-160 psi	Nonrelieving, 0-125 psi	1/8	29.2	300	150	.66
PR08-02-R000	none	Nonrelieving, 0-125 psi	1/4	44.0	300	150	.66
PR08-02-R0G0	0-160 psi	Nonrelieving, 0-125 psi	1/4	44.0	300	150	.66

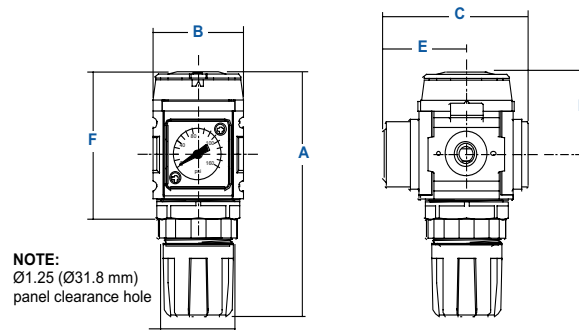
Regulators have two 1/8" gauge ports.

*Item number refers to exploded view drawing on page 1.

NOTE: Flush mounted gauge kits will not fit units originally purchased without gauge.

For 0-60 psi relieving, substitute D for F in the part number.

For 0-60 psi nonrelieving, substitute Q for F in the part number.



Model	A	B	C	D	E	F
No Gauge	3.94	1.58	1.58	1.35	.79	2.4
With Gauge	3.94	1.58	2.53	1.35	.85	2.4

Dimensions in inches.

Miniature F-R-L Units

Miniature Modular 08 Series F-R-L

Rexroth
Bosch Group

PL08 LUBRICATOR

Materials:

Body		Zinc
Bowl	Plastic Bowl	Polycarbonate
	Metal Bowl	Zinc
Seals		Buna N
Sight Dome		Polycarbonate
Suggested Lubricant		ISO/ASTM VG32
Pick-up Filter		Sintered Bronze

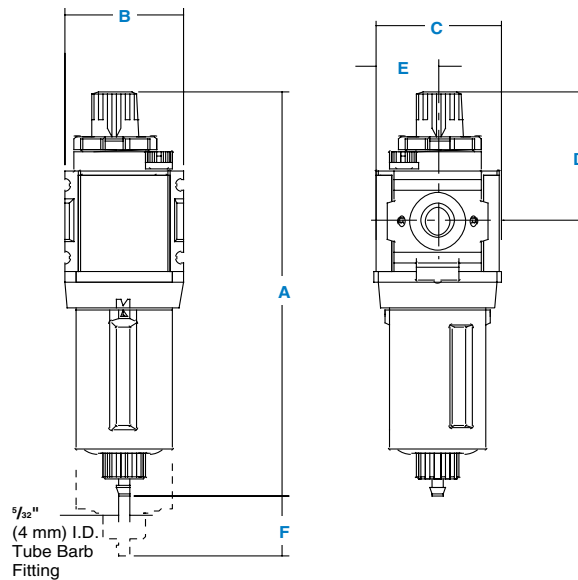
► Features fill under pressure design.



LUBRICATORS - Item No. 4*

Part Number	Bowl Type	Description	Pipe Size (NPT)	Max. SCFM	Max. PSIG	Max., Temp. (°F)	Bowl Capacity (Oz.)	Weight (lbs.)
PL08-01-KK00	Plastic	Manual Drain	1/8	23.5	150	125	0.6	0.60
PL08-01-KL00	Metal	Manual Drain	1/8	23.5	250	150	0.6	0.60
PL08-02-KK00	Plastic	Manual Drain	1/4	57.5	150	125	0.6	0.60
PL08-02-KL00	Metal	Manual Drain	1/4	57.5	250	150	0.6	0.60

*Item number refers to exploded view drawing.



A	B	C	D	E	F
5.65	1.58	1.68	1.79	.84	1.31

Dimensions in inches.

Miniature F-R-L Units

Miniature Modular 08 Series F-R-L

Rexroth
Bosch Group

▣ PB08 INTEGRAL FILTER/REGULATOR

Regulator Type	Relieving, 0-125 psi	
Materials:		
Body	Zinc	
Adjustment Knob	Acetal	
Bowl	Plastic Bowl	Polycarbonate
	Metal Bowl	Zinc
Bowl Guard	Nylon	
Filter Element	Polyethylene, 5 micron	
Seals	Buna N	
Valve/Diaphragm Assembly	Brass/Buna N	
Bowl Capacity-(Useful Retention)	.4 oz (volume below quiet zone baffle)	
Weight	.75 lbs. (0.34 kg)	



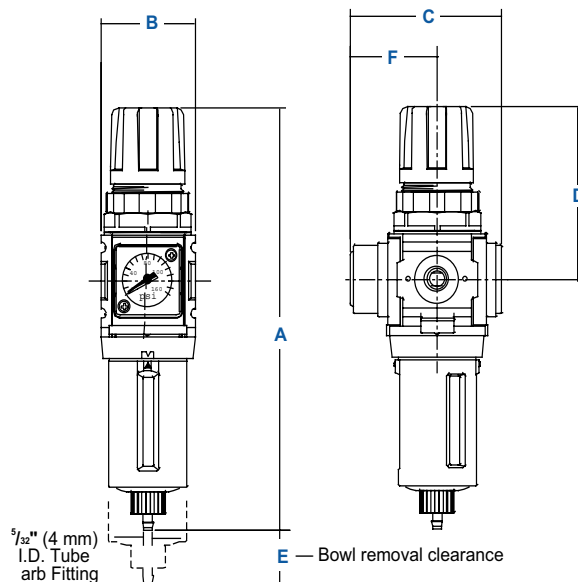
➔ FILTER/REGULATORS

Part Number	Bowl Type	Drain	Gauge	Pipe Size (NPT)	Max. SCFM	Max. PSIG	Max. Temp. (°F)
PB08-01-FK00	Plastic	Manual	none	1/8	28	150	125
PB08-01-FL00	Metal	Manual	none	1/8	28	250	150
PB08-01-FKG0	Plastic	Manual	0-160 psi	1/8	28	150	125
PB08-01-FLG0	Metal	Manual	0-160 psi	1/8	28	250	150
PB08-01-FRG0	Plastic	Automatic	0-160 psi	1/8	28	150	125
PB08-01-FLG0	Metal	Manual	0-160 psi	1/8	28	250	150
PB08-02-FK00	Plastic	Manual	none	1/4	42	150	125
PB08-02-FL00	Metal	Manual	none	1/4	42	250	150
PB08-02-FKG0	Plastic	Manual	0-160 psi	1/4	42	150	125
PB08-02-FLG0	Metal	Manual	0-160 psi	1/4	42	250	150
PB08-02-FRG0	Plastic	Automatic	0-160 psi	1/4	42	150	125
PB08-02-FLG0	Metal	Manual	0-160 psi	1/4	42	250	150

NOTE: Flush mounted gauge kits will not fit units originally purchased without gauge.

For 0-60 psi relieving, substitute D for F in the part number.

For 0-60 psi nonrelieving, substitute Q for F in the part number.



Model	A	B	C	D	E	F
Unit less Gauge	6.46	1.58	1.70	2.60	1.31	.85
Unit with Gauge	6.46	1.58	2.53	2.60	1.31	1.45

Dimensions in inches.

Miniature F-R-L Units

Miniature Modular 08 Series F-R-L



PD08 FILTER/REGULATOR-LUBRICATOR

Materials:

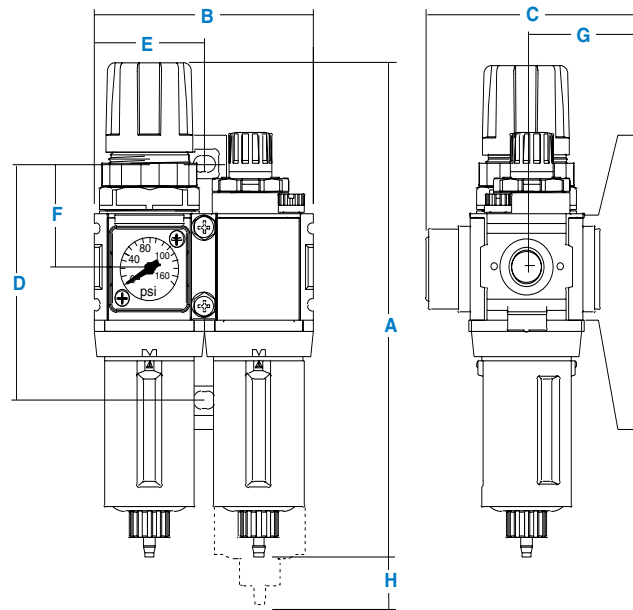
Body		Zinc
Adjustment Knob		Acetal
Valve/Diaphragm Assembly		Brass/Buna N
Bowls	Plastic Bowl	Polycarbonate
	Metal Bowl	Zinc
Filter Element		Polyethylene, 5 micron
Seals		Buna N
Sight Dome		Polycarbonate
Suggested Lubricant		ISO/ASTM VG32
Bowl capacity	Filter	.4 oz.
	Lubricator	.6 oz.
Max. Oper. Temp.	Plastic Bowl	125°F
	Metal Bowl	150°F



➔ FILTER/REGULATOR-LUBRICATOR

Part Number	Description	Pipe Size (NPT)	Max. SCFM	Max. PSIG	Weight (lbs.)
PD08-01-FKG0	Plastic bowl, manual drain, gauge	1/8	29	150	1.43
PD08-01-FLG0	Metal bowl, manual drain, gauge	1/8	29	250	1.43
PD08-02-FKG0	Plastic bowl, manual drain, gauge	1/4	44	150	1.43
PD08-02-FLG0	Metal bowl, manual drain, gauge	1/4	44	250	1.43

Ready to mount assembly comes standard with flush mount pressure gauge (0-160 psi) and modular T-Bracket/Joiner Assembly.



A	B	C	D	E	F	G	H
6.46	3.15	3.08	3.15	1.57	1.37	1.61	1.31

Dimensions in inches.

Miniature F-R-L Units

Miniature Modular 08 Series F-R-L

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PC08 FILTER-REGULATOR-LUBRICATOR

Materials:

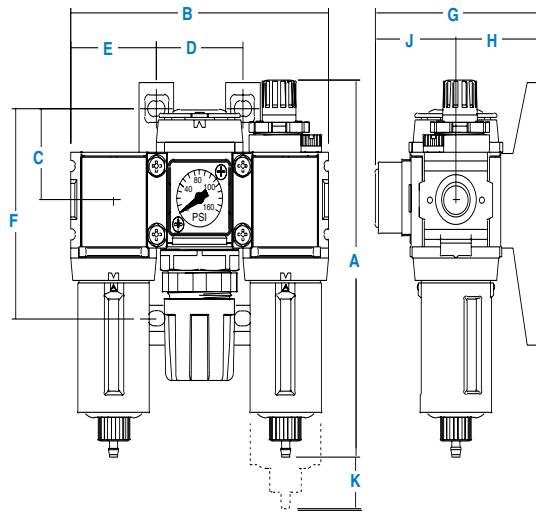
Body		Zinc
Adjustment Knob		Acetal
Valve/Diaphragm Assembly		Brass/Buna N
Bowls	Plastic Bowl	Polycarbonate
	Metal Bowl	Zinc
Filter Element		Polyethylene, 5 micron
Seals		Buna N
Sight Dome		Polycarbonate
Suggested Lubricant		ISO/ASTM VG32
Bowl Capacity	Filter	.4 .oz
	Lubricator	.6 .oz
Max. Oper. Temp.	Plastic Bowl	125°F
	Metal Bowl	150°F



➔ FILTER-REGULATOR-LUBRICATOR

Part Number	Description	Pipe Size (NPT)	Max. SCFM	Max. PSIG	Weight (lbs.)
PC08-01-FKG0	Plastic bowl, manual drain, gauge	1/8	29	150	1.96
PC08-01-FLG0	Metal bowl, manual drain, gauge	1/8	29	250	1.96
PC08-02-FKG0	Plastic bowl, manual drain, gauge	1/4	44	150	1.96
PC08-02-FLG0	Metal bowl, manual drain, gauge	1/4	44	250	1.96

Ready to mount assembly comes with flush-mount pressure gauge (0-160 psi) and modular T-Bracket/Joiner Assembly.



K = Bowl removal dimension

A	B	C	D	E	F	G	H	J	K
5.65	4.72	1.37	1.57	1.57	3.15	3.08	1.61	1.47	1.31

Dimensions in inches.

Miniature F-R-L Units

Miniature Modular 08 Series F-R-L

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PV08 SAFETY LOCK-OUT VALVE **MODULAR BRACKETS & JOINER ASSEMBLY**



The PV08 safety lockout valve is a manually operated slide-type 3-way valve. In the closed position, downstream air is exhausted to atmosphere. The valve slide can be locked in the closed position with a customer supplied padlock.



A wide choice of unit mounting brackets and joiner assemblies allows for easy unit installation, assembly.

PN08 DIVERTER BLOCK



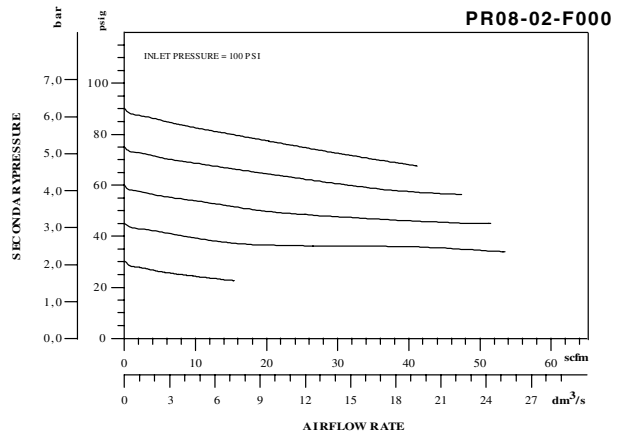
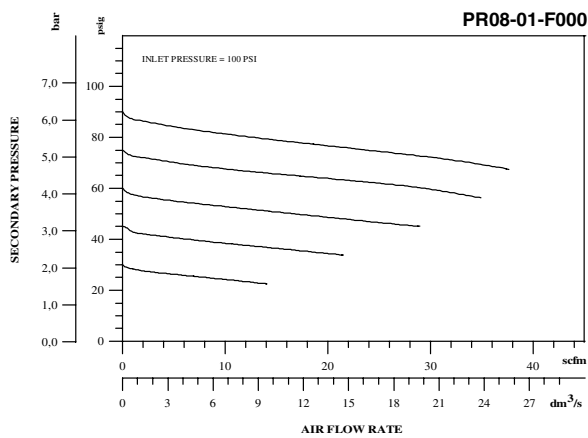
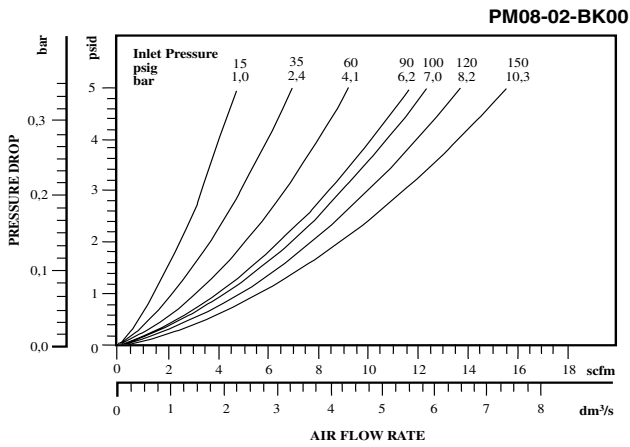
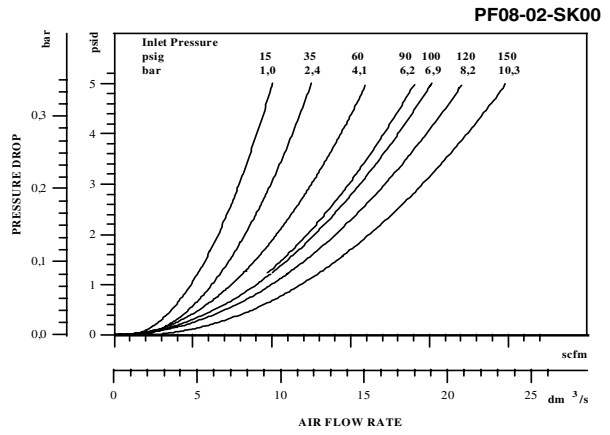
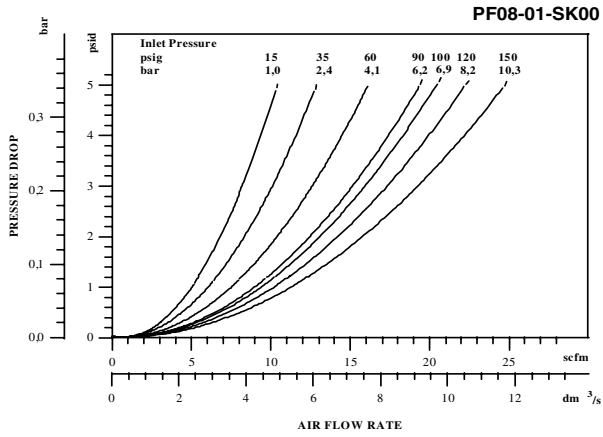
For increased design flexibility, the PN08 diverter block is available in either 1/8" or 1/4" NPT threaded ports. The diverter block can be mounted anywhere in the FRL system. The unit comes with two 1/4" NPT threaded auxiliary ports.

▲ ACCESSORIES, PARTS and OPTIONS

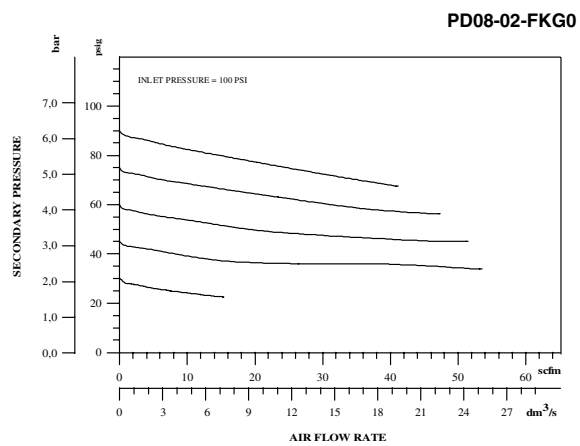
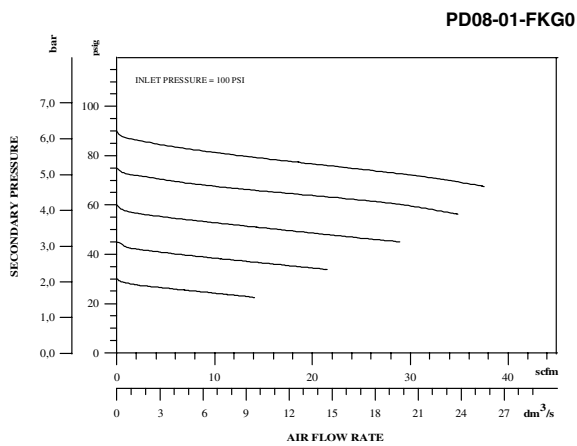
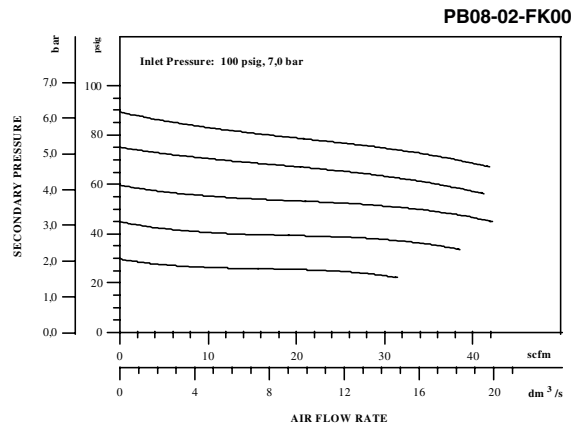
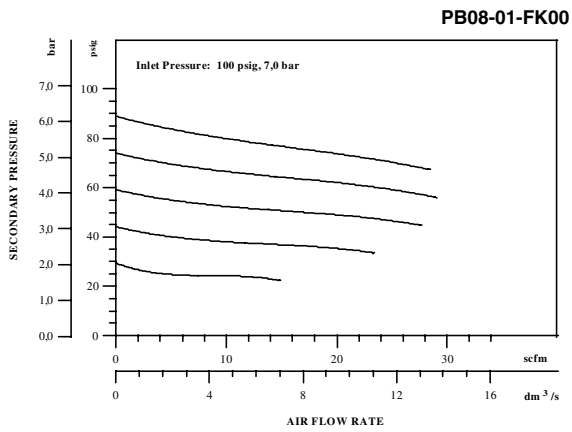
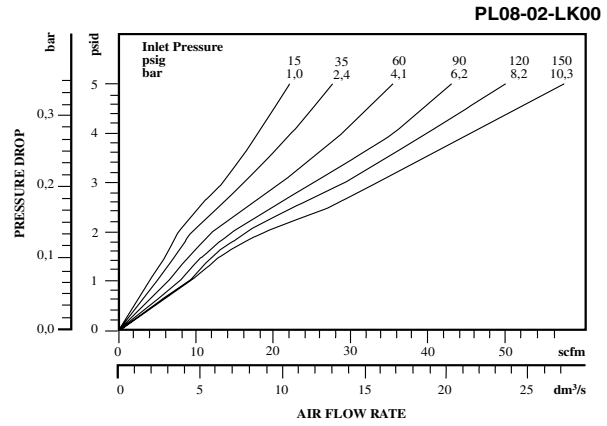
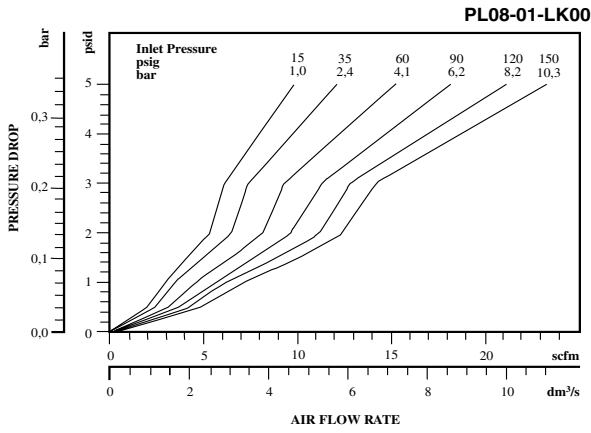
Item Number	Part Number	Description	Pipe Size (NPT)	Max. SCFM	Max. PSIG	Max., Temp. (°F)	Bowl Capacity (Oz.)	Height (Inches)	Width (Inches)	Depth (Inches)	Weight (lbs.)
	PGRP-96-719	Gauge 0-160 psi, flush	---	---	---	---	---	1.06	0.59	---	.05
	PGRP-96-720	Gauge 0-60 psi, flush	---	---	---	---	---	1.06	0.59	---	.05
	PGPA-97-018	Piping Adapter Set	1/8	---	---	---	---	1.42	0.31	---	.33
	PGPA-97-019	Piping Adapter Set	1/4	---	---	---	---	1.42	0.31	---	.33
	PGPA-97-020	Piping Adapter Set	3/8	---	---	---	---	1.42	0.31	---	.35
	PGPA-97-025	Piping Adapter/T-Brckt.	1/8	---	---	---	---	1.57	1.42	---	.41
	PGPA-97-026	Piping Adapter/T-Brckt.	1/4	---	---	---	---	1.57	1.42	---	.41
	PGPA-97-027	Piping Adapter/T-Brckt.	3/8	---	---	---	---	1.57	1.42	---	.43
	PRPA-96-733	Panel Mount Nut-Alum.	---	---	---	---	---	---	---	---	---
	P -007640-00000	Panel Mount Nut-Plast.	---	---	---	---	---	---	---	---	---
	PRPA-96-735	Tamper Resistant Kit	---	---	---	---	---	---	---	---	---
10	PGPA-96-738	Joiner Set	---	---	---	---	---	1.42	0.39	---	.02
7	PGRP-96-739	L-Type Bracket	---	---	---	---	---	2.67	2.32	---	.05
	PGPA-96-737	T-Type Bracket	---	---	---	---	---	3.97	0.64	---	.09
	PGPA-97-010	C-Type Bracket	---	---	---	---	---	2.67	2.32	---	.09
	PV08-01-0000	Safety Lockout Valve	1/8	55	150	150	---	2.41	1.58	2.46	.66
	PV08-02-0000	Safety Lockout Valve	1/4	100	150	150	---	2.41	1.58	2.46	.66
9	PN08-01-0000	Diverter Block	1/8	140	300	150	---	1.61	1.58	1.66	.42
9	PN08-02-0000	Diverter Block	1/4	140	300	150	---	1.61	1.58	1.66	.42
	PGRP-96-716	Automatic Piston Drain									
	PFRP-96-729	Filter Element, 5 micr.									
	PMTP-96-649	Filter Element .01 micr									
	PMSP-96-732	Filter Element 0.5 micr									
	PGRP-96-712	Plastic Bowl/Bowl Guard, Manual Drain									
	PGRP-96-714	Metal Bowl, Man Drain									

Item numbers refer to exploded view drawing on page 1.

Flow Rates

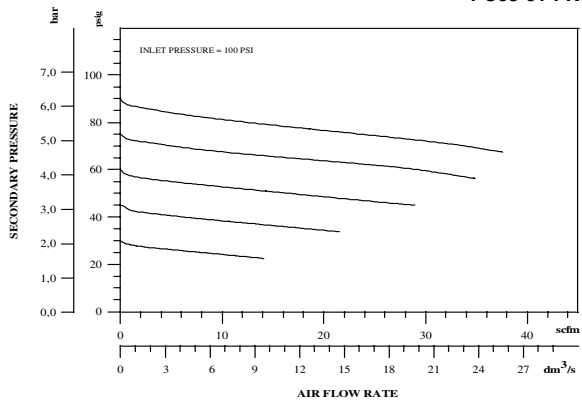


Flow Rates

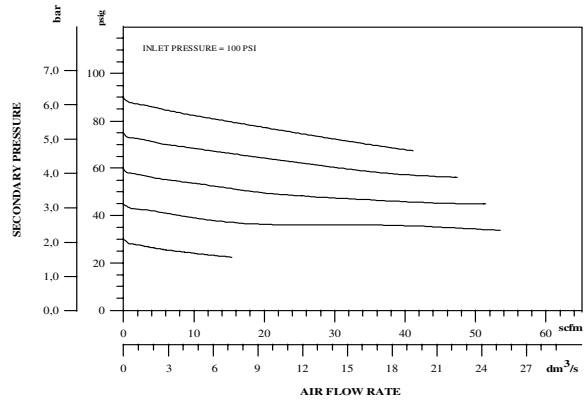


Flow Rates

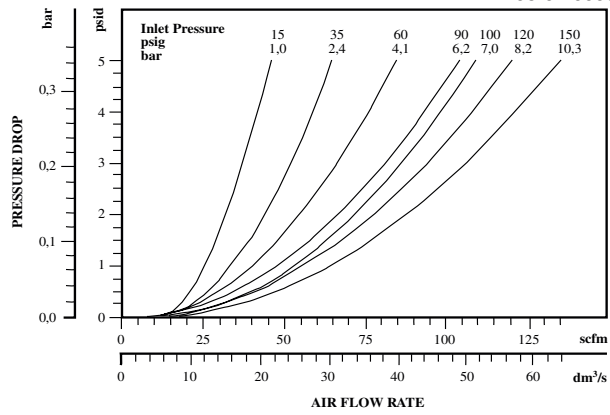
PC08-01-FK00



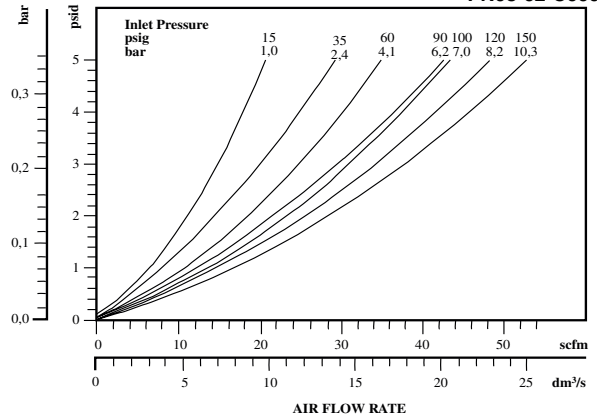
PC08-02-FK00



PN08-02-0000



PN08-02-C000



Our expertise is your competitive advantage

Experience and expertise combined with world-class products. Working with Rexroth means working with a partner who can show you how to apply pneumatics for your competitive advantage.

Producing movement with air—that's pneumatics from Rexroth. We can show you how to do more with air—to achieve higher productivity, greater precision, and higher reliability. And with a complete portfolio of pneumatic, hydraulic, mechanical, electronic, and electro-pneumatic components and systems, Rexroth is your global source of industrial automation solutions.



Standard or custom

Providing a sophisticated and extensive standard product line in both NPT and ISO G (BSPP) port configurations, our products include pneumatic valves and actuators, pneumatic and hydraulic cylinders, pneumatic fieldbus valve manifolds, electro-pneumatic valves and positioners, FRLs, tubing and fittings, vacuum components, industrial shock absorbers, and tooth chain products.

We can also customize products to produce application-specific solutions. Our experience in materials, design and manufacturing, and machine knowledge gives us the flexibility to work with you to craft the exact solution you need.

Versatile, modular, precise

Our products are designed with market-specific needs in mind. You'll find what you need rather than trying to force-fit a close cousin. Or we'll give you the custom solution you need. Our modular approach means greater versatility and flexibility in application and customization. What's more, the modularity allows easier integration and greater cost savings.

Customer-based product development

Our products have always been state-of-the-art technology. We are constantly developing new products and improving existing ones—while working with customers globally to understand evolving needs. By focusing our product development on your real-world needs, we create products that give you a competitive edge in reliability, capabilities, and easy use.

Worldwide presence

Global presence, global availability, global application—with Rexroth you have an international supplier who can support you worldwide. Five development centers—in Lexington, Kentucky; Hannover and Schwieberdingen, Germany; Stockholm, Sweden; and Bonneville, France—serve as centers of competence for advancing the state of the art in pneumatics in an ISO 9001-certified design and production environment.

NOTICES TO PRODUCT USERS

1. WARNING: FLUID MEDIA

Bosch Rexroth pneumatic devices are designed and tested for use with filtered, clean, dry, chemical free air at pressures and temperatures within the specified limits of the device. For use with media other than air or for human life support systems, Bosch Rexroth must be consulted. Hydraulic cylinders are designed for operation with filtered, clean, petroleum based hydraulic fluid; operation using fire-resistant or other special types of fluids may require special packing and seals. Consult the factory.

2. WARNING: MATERIAL COMPATIBILITY

Damage to product seals or other parts caused by the use of non-compatible lubricants, oil additives or synthetic lubricants in the air system compressor or line lubrication devices voids Bosch Rexroth's warranty and can result in product failure or other malfunction. See lubrication recommendations below.

AIR LINE LUBRICANTS! In service higher than 18 cycles per minute or with continuous flow of air through the device, an air line lubricator is recommended.* (Do not use line lubrication with vacuum products.) However, the lubricator must be maintained since the oil will wash out the grease, and lack of lubrication will greatly shorten the life expectancy. The oils used in the lubricator must be compatible with the elastomers in the device. The elastomers are normally BUNA-N, NEOPRENE, VITON, SILICONE and HYTREL. Bosch Rexroth recommends the use of only petroleum based oils without synthetic additives, and with an aniline point between 180° F and 210° F.

COMPRESSOR LUBRICANTS! All compressors (with the exception of special "oil free" units) pass oil mist or vapor from the internal crankcase lubricating system through to the compressed air. Since even small amounts of non-compatible lubricants can cause severe seal deterioration (which could result in component and system failure) special care should be taken in selecting compatible compressor lubricants. It is recommended that users review the National Fluid Power Association "Recommended Guide Lines For Use Of Synthetic Lubricants In Pneumatic Fluid Power Systems" (NFPA T1.9.2-1978).

3. WARNING: INSTALLATION AND MOUNTING

The user of these devices must conform to all applicable electrical, mechanical, piping and other codes in the installation, operation or repair of these devices.

INSTALLATION ! Do not attempt to install, operate or repair these

--Refer to the appropriate service catalog for parts and service information.

devices without proper training in the technique of working on pneumatic or hydraulic systems and devices, unless under trained supervision.

Compressed air and hydraulic systems contain high levels of stored energy. Do not attempt to connect, disconnect or repair these products when a system is under pressure. Always exhaust or drain the pressure from a system before performing any service work. Failure to do so can result in serious personal injury.

MOUNTING! Devices should be mounted and positioned in such a manner that they cannot be accidentally operated.

4. WARNING: APPLICATION AND USE OF PRODUCTS

The possibility does exist for any device or accessory to fail to operate properly through misuse, wear or malfunction. The user must consider these possibilities and should provide appropriate safe guards in the application or system design to prevent personal injury or property damage in the event of a malfunction.

5. WARNING: CONVERSION, MAINTENANCE AND REPAIR

When a device is disassembled for conversion to a different configuration, maintenance or repair, the device must be tested for leakage and proper operation after being reassembled and prior to installation.

MAINTENANCE AND REPAIR! Maintenance periods should be scheduled in accordance with frequency of use and working conditions. All Bosch Rexroth products should provide a minimum of 1,000,000 cycles of maintenance free service when used and lubricated as recommended. However, these products should be visually inspected for defects and given an "in system" operating performance and leakage test once a year. Where devices require a major repair as a result of the one million cycles, one year, or routine inspection, the device must be disassembled, cleaned, inspected, parts replaced as required, rebuilt and tested for leakage and proper operation prior to installation. See individual catalogs for specific cycle life estimates.

6. PRODUCT CHANGES

Product changes including specifications, features, designs and availability are subject to change at any time without notice. For critical dimensions or specifications, contact factory.

*Many Bosch Rexroth pneumatic valves and cylinders can operate with or without air line lubrication; see individual sales catalogs for details.

LIMITATIONS OF WARRANTIES & REMEDIES

Bosch Rexroth warrants its products sold by it to be free from defects in material and workmanship to the following:

For twelve months after shipment Bosch Rexroth will repair or replace (F.O.B. our works), at its option, any equipment which under normal conditions of use and service proves to be defective in material or workmanship at no charge to the purchaser. No charge will be made for labor with respect to defects covered by this Warranty, provided that the work is done by Bosch Rexroth or any of its authorized service facilities. However, this Warranty does not cover expenses incurred in the removal and reinstallation of any product, nor any downtime incurred, whether or not proved defective.

All repairs and replacement parts provided under this Warranty policy will assume the identity, for warranty purposes, of the part replaced, and the warranty on such replacement parts will expire when the warranty on the original part would have expired. Claims must be submitted within thirty days of the failure or be subject to rejection.

This Warranty is not transferable beyond the first using purchaser. Specifically, excluded from this Warranty are failures caused by misuse, neglect, abuse, improper operation or filtration, extreme temperatures, or unauthorized service or parts. This Warranty also excludes the use of lubricants, fluids or air line additives that are not compatible with seals or diaphragms used in the products. This Warranty sets out the purchaser's exclusive remedies with respect to products covered by it, whether for negligence or otherwise. Neither Bosch Rexroth nor any of its affiliates will be liable for consequential or incidental damages or other losses or expenses incurred by reason of the use or sale of such products. Our liability (except as to title) arising out of the sale, use or operation of any product or parts, whether on warranty, contract or negligence (including claims for consequential or incidental damage) shall not in any event exceed the cost of replacing the defective products and, upon expiration of the warranted period as herein provided, all such liability is terminated. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, WHETHER FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. No attempt to alter, amend or extend this Warranty shall be effective unless authorized in writing by an officer of Bosch Rexroth Division.

Bosch Rexroth reserves the right to discontinue manufacture of any product, or change product materials, design or specifications without notice.

This is a Year 2000 Readiness disclosure as defined and used in the Year 2000 Information and Readiness Disclosure Act:

Notwithstanding any provision to the contrary, Seller acknowledges the potential Year 2000 problem and hereby promises to use its good faith, best efforts to attempt to be Year 2000 Compliant as soon as practicable. "Year 2000 Compliant" means that Seller's goods and services will be designed to be used prior to, during, and after calendar year 2000 A.D., and to operate during each such time period without substantive error relating to date data, specifically including any substantive error relating to, or the product of, date data which represents or references different centuries or more than one century, and will recognize the calendar year 2000 A.D. as a leap year.

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