



FlexiBlok® FRL Series

We're everywhere you need us to be!

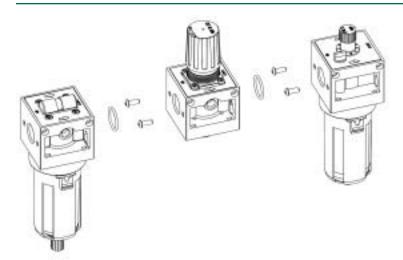


LEXIBLOK FRL Series	
Features and Benefits	
StockBlok and ModuBlok Combinations	
Particulate Filters	
Coalescing Filters	
Regulators	
Particulate Filter/Regulator	
Coalescing Filter/Regulator	
Lubricators	24-25
Solenoid Soft Start Quick Exhaust Valve	
Quick Exhaust Valves	
Shut Off Valve	
Diverter Block	
Diverter Paltes	
Rear-Ported End Plates	
Drain Options	
Replacement and Repair Kits	35



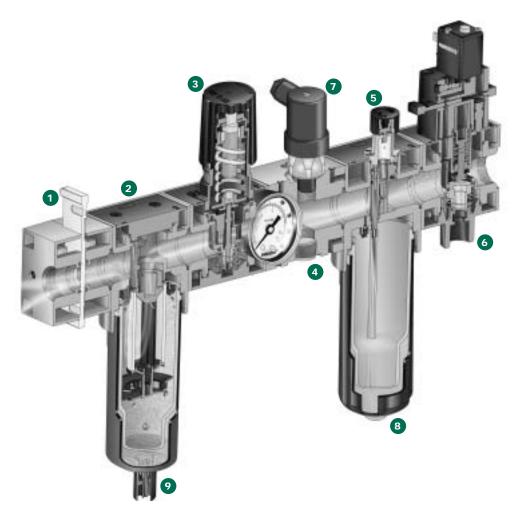


Numatics **FLEXIBLOK** * FRL Series



The Numatics **FLEXIBLOK** * FRL line leads the industry in ease of assembly. While many competitors rely on special brackets, mounting kits, port connectors, and component connectors for assembly - which are not only costly but are awkward and difficult to use - **FLEXIBLOK** * components use only a single oring and two screws to connect together. Integrated mounting holes eliminate the need for mounting brackets. The need for end plates is eliminated, as the in/out ports of all components are tapped so that any unit can be used as a stand alone unit.

By eliminating the need for additional special components, the Numatics ${\it FlexiBlok}^{\,\circ}$ line keeps costs down and maintenance and assembly quick and easy.



1. Shutoff Valve

• Relieving/Non-Relieving

2. Filter

- 5 Micron particulate
- Three Coalescing Grades
- Adsorbing Grade

3. Regulator

- Multiple Pressure Ranges
- Relieving/Non-Relieving

4. Diverter Block

· Provides Versatility

5. Lubricator

 Siphon Tube Design Provides Accurate Oil Metering

6. Solenoid Soft Start Quick Exhaust Valve

 Solenoid Quick Exhaust and Air Pilot Versions

7. Pressure Switch

 Field Installable Connector or 12 mm Micro Styles

8. Bowls

· Polycarbonate, metal, CircleVision

9. Drains

• 6 Styles





STOCKBLOK

FRLs in standard combinations



STOCKBLOK [®] assemblies utilize one model number for standard configurations, complete with gauges. Each component is factory assembled and tested.

Each of the standard STOCKBLOK ® combinations is a complete assembly. Bowl, drain, and fill options are available where applicable. Additional options are not available and, if required, components can be ordered as a **ModuBlok** [™] combination (see page 9).

To order any of the STOCKBLOK ® models without the Shut-Off Valve, replace the "V" in the part number with an "X" (i.e. M22-03XFCXX).

See individual component pages for specifications and dimensions.

Shut Off/Particulate Filter/Regulator/Lubricator w/ Gauge



Components

		PARTICULA	ATE .		WEIGH	łT
MODEL #	SHUT OFF	FILTER	REGULATOR	LUBRICATOR	LBS.	KGS
M14-01VFRLX	VS14-01	F14B-01	R14R-01G	L14L-01	2.55	1.17
M14-02VFRLX	VS14-02	F14B-02	R14R-02G	L14L-02	2.55	1.17
M22-02VFRLX	VS22-02	F22B-02	R22R-02G	L22L-02	2.38	1.08
M22-03VFRLX	VS22-03	F22B-03	R22R-03G	L22L-03	2.38	1.08
M22-04VFRLX	VS22-04	F22B-04	R22R-04G	L22L-04	2.38	1.08
M32-04VFRLX	VS32-04	F32B-04	R32R-04G	L32L-04	4.78	2.17
M32-06VFRLX	VS32-06	F32B-06	R32R-06G	L32L-06	4.78	2.17

Options (see page 34 for Drain Options)

A = Auto Drain (22,32 Series only)

B = Flexible Drain

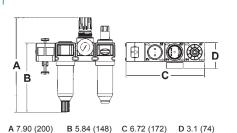
C = CircleVision™ Sight Bowl (22,32 Series only) Q = Metal Manual Drain

J = External Pulse Drain

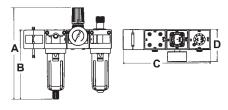
M = Metal Bowls w/ Sight Glass

F = Lubricator Quick Fill

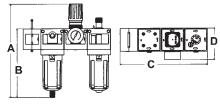
R = Manual Lever Drain



22 Series



32 Series



A 10.02 (255) B 7.62 (194) C 9.32 (237) D 3.42 (87) A 12.32 (313) B 9.12 (232) C 11.25 (286) D 4.10 (104)

42 Series Assemblies Coming 2004

14 Series





Shut Off/Filter-Regulator/Diverter Block/Lubricator w/ Gauge



Components

		FILTER/	DIVERTER		WEIGH	ΙΤ
MODEL #	SHUT OFF	REGULATOR	BLOCK	LUBRICATOR	LBS.	KGS
M14-01VPDLX	VS14-01	P14B-01G	DK14-02	L14L-01	2.50	1.13
M14-02VPDLX	VS14-02	P14B-02G	DK14-02	L14L-02	2.50	1.13
M22-02VPDLX	VS22-02	P22B-02G	DK22-03	L22L-02	2.26	1.03
M22-03VPDLX	VS22-03	P22B-03G	DK22-03	L22L-03	2.26	1.03
M22-04VPDLX	VS22-04	P22B-04G	DK22-03	L22L-04	2.26	1.03
M32-04VPDLX	VS32-04	P32B-04G	DK32-04	L32L-04	4.86	2.21
M32-06VPDLX	VS32-06	P32B-06G	DK32-04	L32L-06	4.86	2.21

Options (see page 34 for Drain Options)

A = Auto Drain (22,32 Series only)

B = Flexible Drain

C = CircleVision™ Sight Bowl (22,32 Series only)

J = External Pulse Drain

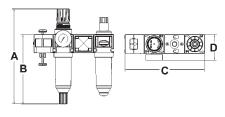
M = Metal Bowls w/ Sight Glass

F = Lubricator Quick Fill

Q = Metal Manual Drain

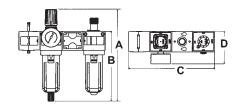
R = Manual Lever Drain

14 Series



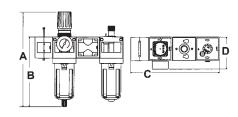
B 5.84 (148) C 6.72 (172) D 3.1 (79)

22 Series



A 9.93 (252) B 7.62 (194) C 9.11 (231) D 3.41 (87)

32 Series



A 12.32 (313) B 9.12 (232) C 11.25 (286) D 4.10 (104)

42 Series Assemblies Coming 2004

Shut Off/Particulate Filter/Coalescing Filter/Regulator w/ Gauge



Components

		PARTICUL	ATE	COALESCING	WEIG	HT
MODEL #	SHUT OFF	FILTER	FILTER	REGULATOR	LBS.	KGS
M14-01VFFRX	VS14-01	F14B-01	F14D-01	R14R-01G	2.60	1.20
M14-02VFFRX	VS14-02	F14B-02	F14D-02	R14R-02G	2.60	1.20
M22-02VFFRX	VS22-02	F22B-02	F22D-02	R22R-02G	2.38	1.08
M22-03VFFRX	VS22-03	F22B-03	F22D-03	R22R-03G	2.38	1.08
M22-04VFFRX	VS22-04	F22B-04	F22D-04	R22R-04G	2.38	1.08
M32-04VFFRX	VS32-04	F32B-04	F32D-04	R32R-04G	4.90	2.23
M32-06VFFRX	VS32-06	F32B-06	F32D-06	R32R-06G	4.90	2.23

Options (see page 34 for Drain Options)

A = Auto Drain (22,32 Series only)

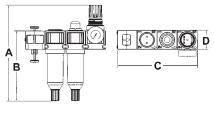
M = Metal Bowls w/ Sight Glass

B = Flexible Drain

Q = Metal Manual Drain C = CircleVision™ Sight Bowl (22,32 Series only) R = Manual Lever Drain

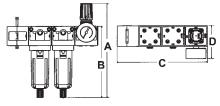
J = External Pulse Drain

14 Series



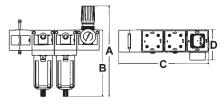
B 5.84 (148) C 6.72 (172) D 3.1 (79) A 7.90 (200)

22 Series



A 10.02 (255) B 7.62 (194) C 9.30 (237) D 3.42 (87)

32 Series



A 12.32 (313) B 9.12 (232) C 11.25 (286) D 4.10 (104)

42 Series Assemblies Coming 2004





numailts

Shut Off/Coalescer-Regulator/Lubricator w/ Gauge



Components

		COALESCER/		WEIGH	T
MODEL#	SHUT OFF	REGULATOR	LUBRICATOR	LBS.	KGS
M14-01VCLX	X VS14-01	C14D-01G	L14L-01	2.10	0.94
M14-02VCLX	X VS14-02	C14D-02G	L14L-02	2.10	0.94
M22-02VCLX	X VS22-02	C22D-02G	L22L-02	1.96	0.89
M22-03VCLX	X VS22-03	C22D-03G	L22L-03	1.96	0.89
M22-04VCLX	X VS22-04	C22D-04G	L22L-04	1.96	0.89
M32-04VCLX	X VS32-04	C32D-04G	L32L-04	3.93	1.79
M32-06VCLX	X VS32-06	C32D-06G	L32L-06	3.93	1.79

Options (see page 34 for Drain Options)

- A = Auto Drain (22,32 Series only)
- B = Flexible Drain
- C = CircleVision™ Sight Bowl (22,32 Series only)
- J = External Pulse Drain

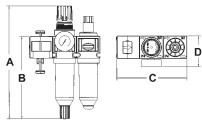
M = Metal Bowls w/ Sight Glass

F = Lubricator Quick Fill

Q = Metal Manual Drain

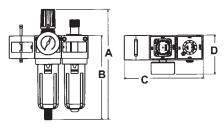
R = Manual Lever Drain

14 Series



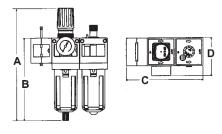
A 7.90 (200) B 5.84 (148) C 5.04 (129) D 3.1 (79)

22 Series



A 7.93 (252) B 7.62 (194) C 6.95 (177) D 3.42 (87)

32 Series



A 12.32 (313) B 9.12 (232) C 8.25 (210) D 4.10 (103)

42 Series Assemblies Coming 2004

Shut Off/Particulate Filter/Regulator/Diverter Block/Lubricator w/ Gauge



Components

		PARTICUL#	TE.		DIVERTER	WEIGH	łT
MODEL #	SHUT OFF	FILTER	REGULATOR	BLOCK	LUBRICATOR	LBS.	KGS
M14-01VFRDL	VS14-01	F14B-01	R14R-01G	DK14-02	L14L-01	3.00	1.37
M14-02VFRDL	VS14-02	F14B-02	R14R-02G	DK14-02	L14L-02	3.00	1.37
M22-02VFRDL	VS22-02	F22B-02	R22R-02G	DK22-03	L22L-02	2.69	1.22
M22-03VFRDL	VS22-03	F22B-03	R22R-03G	DK22-03	L22L-03	2.69	1.22
M22-04VFRDL	VS22-04	F22B-04	R22R-04G	DK22-03	L22L-04	2.69	1.22
M32-04VFRDL	VS32-04	F32B-04	R32R-04G	DK32-04	L32L-04	5.72	2.60
M32-06VFRDL	VS32-06	F32B-06	R32R-06G	DK32-04	L32L-06	5.72	2.60

32 Series

Options (see page 34 for Drain Options)

- A = Auto Drain (22,32 Series only)
- B = Flexible Drain
- C = CircleVision™ Sight Bowl (22,32 Series only)
- J = External Pulse Drain

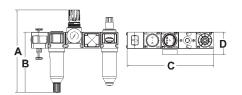
M = Metal Bowls w/ Sight Glass

F = Lubricator Quick Fill

Q = Metal Manual Drain

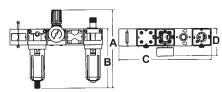
R = Manual Lever Drain

14 Series

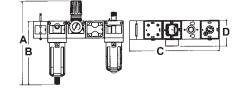


A 7.90 (200) B 5.84 (148) C 8.4 (215) D 3.1 (79)

22 Series



A 10.02 (255) B 7.62 (193) C 11.50 (292) D 3.42 (87)



A 12.32 (313) B 9.12 (232) C 14.25 (362) D 4.10 (103)

42 Series Assemblies Coming 2004





Shut Off/Particulate Filter/Diverter Block/Coalescer-Regulator w/ Gauge



Components

		PARTICULATE	DIVERTER	COALESCER/	WEIGH	IT
MODEL#	SHUT OFF	FILTER	BLOCK	REGULATOR	LBS.	KGS
M14-01VFDCX	VS14-01	F14B-01	DK14-02	C14D-01G	2.55	1.15
M14-02VFDCX	VS14-02	F14B-02	DK14-02	C14D-02G	2.55	1.15
M22-02VFDCX	VS22-02	F22B-02	DK22-03	C22D-02G	2.26	1.03
M22-03VFDCX	VS22-03	F22B-03	DK22-03	C22D-03G	2.26	1.03
M22-04VFDCX	VS22-04	F22B-04	DK22-03	C22D-04G	2.26	1.03
M32-04VFDCX	VS32-04	F32B-04	DK32-04	C32D-04G	4.87	2.21
M32-06VFDCX	VS32-06	F32B-06	DK32-04	C32D-06G	4.87	2.21

Options (see page 34 for Drain Options)

A = Auto Drain (22,32 Series only)

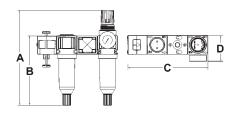
M = Metal Bowls w/ Sight Glass
B = Flexible Drain

Q = Metal Manual Drain

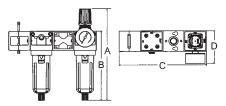
C = CircleVision™ Sight Bowl (22,32 Series only) R = Manual Lever Drain

J = External Pulse Drain

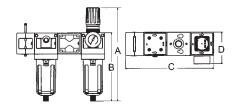
14 Series



22 Series



32 Series



A 7.90 (200) B 5.84 (148) C 6.72 (172) D 3.1 (79)

A 9.93 (252) B 7.61 (193) C 9.11 (231) D 3.42 (87)

A 12.32 (313) B 9.12 (232) C 11.25 (286) D 4.10 (104)

42 Series Assemblies Coming 2004

Shut Off/Filter-Regulator/Lubricator w/ Gauge



Components

		PARTICULATE/	1	WEIGHT	
MODEL #	SHUT OFF	REGULATOR	LUBRICATOR	LBS.	KGS
M14-01VPLXX	VS14-01	P14B-01G	L14L-01	2.05	0.93
M14-02VPLXX	VS14-02	P14B-02G	L14L-02	2.05	0.93
M22-02VPLXX	VS22-02	P22B-02G	L22L-02	1.95	0.89
M22-03VPLXX	VS22-03	P22B-03G	L22L-03	1.95	0.89
M22-04VPLXX	VS22-04	P22B-04G	L22L-04	1.95	0.89
M32-04VPLXX	VS32-04	P32B-04G	L32L-04	3.92	1.78
M32-06VPLXX	VS32-06	P32B-06G	L32L-06	3.92	1.78

Options (see page 34 for Drain Options)

A = Auto Drain (22,32 Series only)

B = Flexible Drain

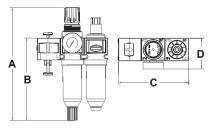
C = CircleVision™ Sight Bowl (22,32 Series only)
J = External Pulse Drain

F = Lubricator Quick Fill Sight Bowl (22,32 Series only) Q = Metal Manual Drain

R = Manual Lever Drain

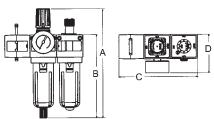
M = Metal Bowls w/ Sight Glass

14 Series

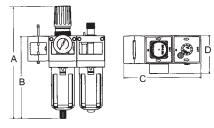


A 7.90 (200) B 5.84 (148) C 5.04 (129) D 3.1 (79)

22 Series



32 Series



A 12.32 (313) B 9.12 (232) C 8.25 (210) D 4.10 (104)

42 Series Assemblies Coming 2004

B 7.62 (193) C 6.95 (177) D 3.42 (87)







Shut Off/Particulate Filter/Diverter Block/Regulator/Lubricator w/ Gauge



Components

		PARTICULATE	DIVERTER			WEIGH	IT
MODEL #	SHUT OFF	FILTER	BLOCK	REGULATOR	LUBRICATOR	LBS.	KGS
M14-01VFDRL	VS14-01	F14B-01	DK14-02	R14R-01G	L14L-01	3.00	1.37
M14-02VFDRL	VS14-02	F14B-02	DK14-02	R14R-02G	L14L-02	3.00	1.37
M22-02VFDRL	VS22-02	F22B-02	DK22-03	R22R-02G	L22L-02	2.69	1.22
M22-03VFDRL	VS22-03	F22B-03	DK22-03	R22R-03G	L22L-03	2.69	1.22
M22-04VFDRL	VS22-04	F22B-04	DK22-03	R22R-04G	L22L-04	2.69	1.22
M32-04VFDRL	VS32-04	F32B-04	DK32-04	R32R-04G	L32L-04	5.72	2.60
M32-06VFDRL	VS32-06	F32B-06	DK32-04	R32R-06G	L32L-06	5.72	2.60

Options (see page 34 for Drain Options)

A = Auto Drain (22,32 Series only)

B = Flexible Drain

C = CircleVision™ Sight Bowl (22,32 Series only)

J = External Pulse Drain

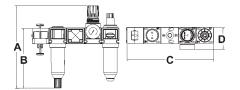
M = Metal Bowls w/ Sight Glass

F = Lubricator Quick Fill

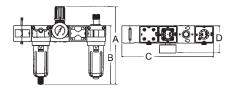
Q = Metal Manual Drain

R = Manual Lever Drain

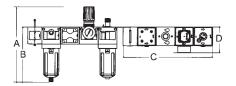
14 Series







32 Series



C 8.4 (215) D 3.1 (79) A 10.02 (255) B 7.62 (194) C 11.50 (292) D 3.42 (87)

A 12.32 (313) B 9.12 (232) C 14.25 (362) D 4.10 (104)

42 Series Assemblies Coming 2004

Shut Off/Particulate Filter/Coalescer-Regulator w/ Gauge



Components

		Particulate	Coalescer/	vveignt	
Model #	Shut Off	Filter	Regulator	lbs.	kgs
M14-01VFCXX	VS14-01	F14B-01	C14D-01G	2.10	0.95
M14-02VFCXX	VS14-02	F14B-02	C14D-02G	2.10	0.95
M22-02VFCXX	VS22-02	F22B-02	C22D-02G	1.95	0.89
M22-03VFCXX	VS22-03	F22B-03	C22D-03G	1.95	0.89
M22-04VFCXX	VS22-04	F22B-04	C22D-04G	1.95	0.89
M32-04VFCXX	VS32-04	F32B-04	C32D-04G	3.93	1.79
M32-06VFCXX	VS32-06	F32B-06	C32D-06G	3.93	1.79

32 Series

Options (see page 34 for Drain Options)

A = Auto Drain (22,32 Series only)

M = Metal Bowls w/ Sight Glass

B = Flexible Drain

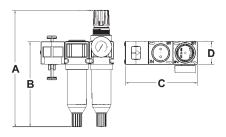
Q = Metal Manual Drain

C = CircleVision™ Sight Bowl (22,32 Series only)

R = Manual Lever Drain

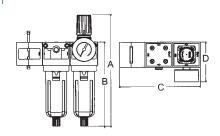
J = External Pulse Drain

14 Series



A 7.90 (200) B 5.84 (148) C 5.04 (129) D 3.1 (79)

22 Series



A 9.93 (252) B 7.62 (193) C 6.95 (177) D 3.42 (87)

A 12.32 (313) B 9.12 (232) C 8.25 (210) D 4.10 (104)



Numatics **FLEXIBLOK** * FRL Series



MODUBLOK ^M

Combination models



MOD22-08

STATION	DESCRIPTION	MODEL
POSITION		NUMBER
1	Shut-Off Valve	VS22-03
2	Particulate Filter	F22B-03
3	Coalescer w/ metal bowl and pulse drain	F22D-03JM
4	Diverter Block	DK22-03
4T	Regulator	R22R-03
4B	Pressure Switch	PS180CAN02
5	Regulator w/ gauge	R22R-03G
6	Lubricator	L22L-03

About **ModuBlock**™ Assemblies

The **FLEXIBLOK** ® modular system is designed to connect individual components into a complete assembly. Sometimes it is necessary to order an assembly using additional or non-standard components or combinations. The $\textit{ModuBlok}^{\text{TM}}$ system makes it easy to order non-standard combinations.

As with all other components and combinations, all modular assemblies come factory tested and approved and assembled complete. For more information on flow, dimensions, options, and accessories, see individual component pages.

Because of the many possible combinations when utilizing modular systems, it is recommended that complex stations include a schematic drawing. When ordering, specify all components at each station, based on the example to the left.

How to label diverter blocks

When using a diverter block, indicate all units at that station before continuing. If additional units are mounted above the diverter block, use the letter 'T' (for 'top') as well as a letter sequence (TA, TB, TC, etc.) starting from the diverter block, and continuing out. If units are placed below the diverter block, begin the two letter alphabetic sequence with the letter 'B' (for bottom) as well as a letter sequence (BA, BB, BC, etc.) starting with the diverter block and continuing outward. Continue in this pattern until all units are placed correctly.

Reducing Bushings

Reducing bushings may be required to connect some components (i.e. pressure switches, etc).

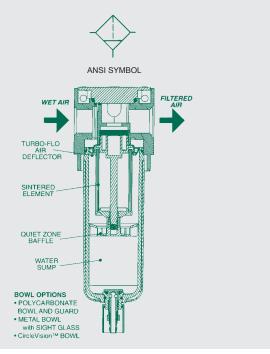
SERIES	SIZE
22	3/8 to 1/4 or 3/8 to 1/8
32	1/2 to 1/4 or 1/2 to 1/8

NEED MORE PARTS AND INFORMATION?

- See page 34 for more information on available drain options.
- See page 35 for information on ordering replacement parts.







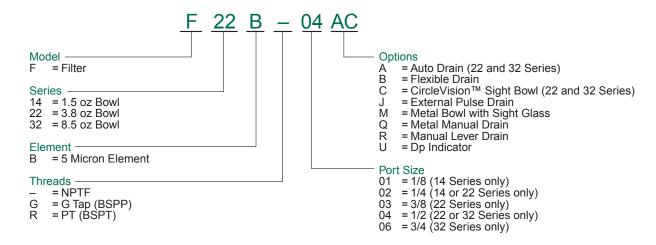
Particulate Filter F14B, F22B, F32B Series

- Three convenient sizes
- 5 micron sintered elements standard
- Can be installed as modular or individual unit
- Includes screws and o-rings for modular connection
- · Manual or automatic drain
- · Polycarbonate bowl standard
- Optional metal bowl with sight glass
- Optional CircleVision™ sight bowl
- Bowl seal held captive (22 and 32 Series)

Specifications

BOWL	POLYCARBONATE BOWL	CIRCLEVISION™ BOWL	METAL BOWL
Temperature Range (°F)	40-120	40-120	40-120
Temperature Range (°C)	4-50	4-50	4-50
Max. Pressure (PSIG)	150	250	200
Max. Pressure (BAR)	10	17	14
14 Series (Weight, lbs.)	.60	-	.65
14 Series (Weight, kg)	.28	-	.30
22 Series (Weight, lbs.)	.65	.86	1.25
22 Series (Weight, kg)	.30	.39	.57
32 Series (Weight, lbs.)	1.3	1.7	2.5
32 Series (Weight, kg)	.59	.77	1.14

How to Order



NEED MORE PARTS AND INFORMATION?

- See page 34 for more information on available drain options.
- See page 35 for information on ordering replacement parts.

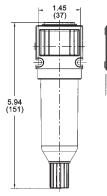






14 Series Particulate



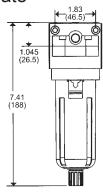


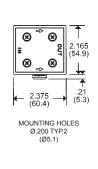


F14B-02 (5 micron particulate) PSID BAR

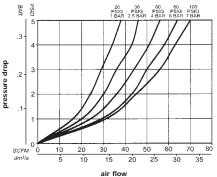
22 Series Particulate





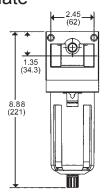


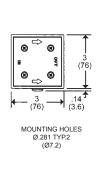
F22B-04 (5 micron particulate)



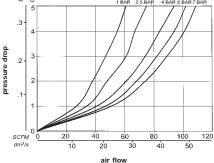
32 Series Particulate







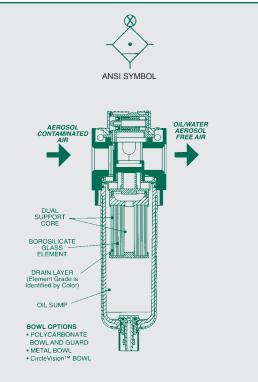
F32B-06 (5 micron particulate) PSID



42 Series Particulate – Coming in 2004







Coalescing Filter

F14, F22, F32 Series

- · Three convenient sizes
- · Cartridge element design
- Inner and outer support cores prevent element from crushing in either flow direction
- · Available with manual or automatic drain
- Optional CircleVision[™] sight bowl
- Dp indicator standard on 14, 22, and 32 Series

Recommended Uses

C grade element, identified by its blue drain layer, is a coarse filter for large amounts of water, rust, pipe scale, and liquid hydrocarbons. Excellent for environments that have severe contamination. Can be used for lubricated or 'dry' systems. Ideal for mainline filtration of plant air.

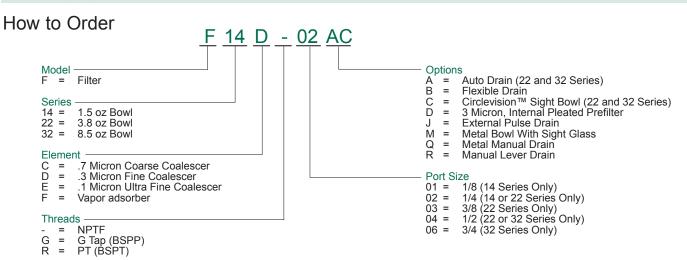
D grade element, identified by its green drain layer, is a fine filter for cylinder or valves - especially when the circuit is being run without lubrication ('dry'). Excellent filter for desiccant or regenerative style dryers.

E grade element, identified by its red drain layer, is an ultra fine filter for oil-free instrumentation air, blow molding, food and drug packaging, electronics applications, and other applications requiring maximum contamination removal.

F grade element, identified by its white drain layer, is an adsorbing filter that utilizes activated carbon to capture hydrocarbon vapor and deodorize compressed air. Typically it is used to protect worker environments, food and drug applications, breathing air, and instrumentation for analytical instruments. Life expectancy is approximately 3 months at rated flow.

Specifications

	POLYCARBONATE	CIRCLEVISION™	METAL
BOWL	BOWL	BOWL	BOWL
Temperature Range (°F)	40-120	40-120	40-120
Temperature Range (°C)	4-50	4-50	4-50
Max. Pressure (PSIG)	150	250	200
Max. Pressure (BAR)	10	17	14
14 Series (Weight, lbs.)	0.65	-	0.70
14 Series (Weight, kg)	0.30	-	0.32
22 Series (Weight, lbs.)	0.66	0.89	1.28
22 Series (Weight, kg)	0.30	0.40	0.58
32 Series (Weight, lbs.)	1.42	1.83	2.56
32 Series (Weight, kg)	0.65	0.83	1.16



NEED MORE PARTS AND INFORMATION?

- See page 34 for more information on available drain options.
- See page 35 for information on ordering replacement parts.

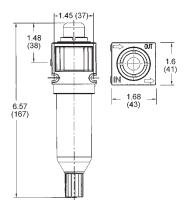






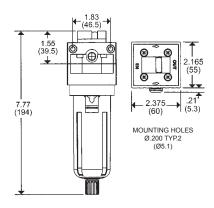
14 Series Coalescer





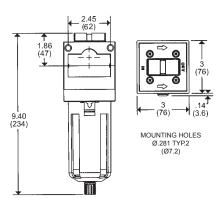
22 Series Coalescer

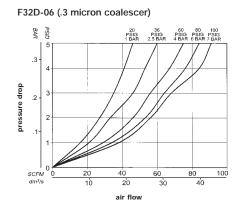




32 Series Coalescer



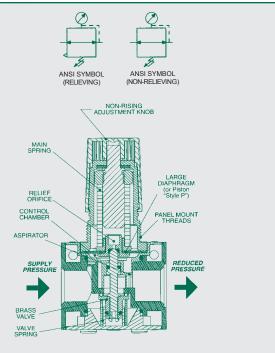




42 Series Coalescer - Coming in 2004







Regulator

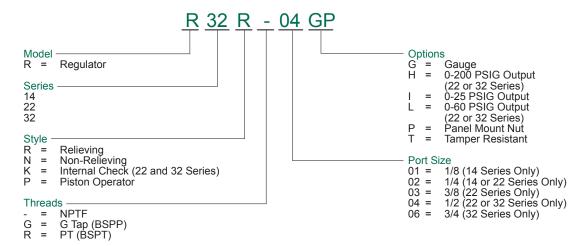
R14, R22, R32 Series

- · Three convenient sizes
- · High flow in compact size
- · Locking adjustment knob
- Four different pressure ratings available
- · Relieving or non-relieving models
- · Can be installed as modular or individual unit
- Standard output pressure 0-125 PSIG

Specifications

	14 SERIES	22 SERIES	32 SERIES
Temperature Range (°F)	40-120	40-120	40-120
Temperature Range (°C)	4-50	4-50	4-50
Max. Pressure (PSIG)	250	200	200
Max. Pressure (BAR)	17	14	14
Weight (lbs.)	0.65	0.69	1.37
Weight (kg)	0.30	0.31	0.62
Body Material	Zinc	Aluminum	Aluminum

How to Order



NEED MORE PARTS AND INFORMATION?

 \bullet See page 35 for information on ordering replacement parts.

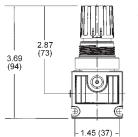






14 Series Regulator

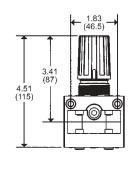


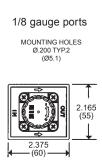


1/8 gauge ports

22 Series Regulator



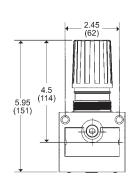


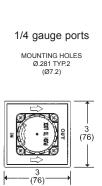


20

32 Series Regulator



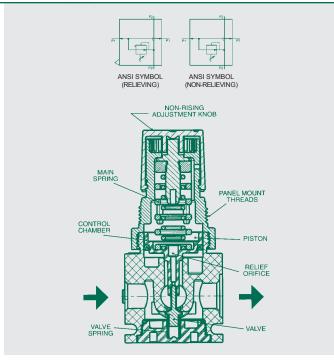




42 Series Regulator – Coming in 2004







Specifications

	14 SERIES
Temperature Range (°F)	40-120
Temperature Range (°C)	4-50
Max. Pressure (PSIG)	250
Max. Pressure (BAR)	17
Weight (lbs.)	0.60
Weight (kg)	0.27
Body Material	Zinc

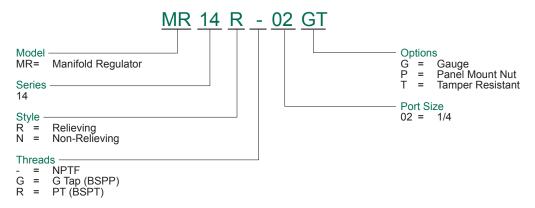
Manifold Regulator MR14 Series

The 14 Series Manifold Regulator allows several regulators to be chained together while maintaining a constant primary pressure to each regulator. This regulator features a dual spring design which covers any possible outlet setting without the need to indicate a specific spring, eliminating confusing options and part numbers. The regulator uses the inner spring for more precise, lower pressures, and the outer spring for middle to high pressures. As the smaller, inner spring is compressed, the larger, outer spring takes over for higher pressures.

Regulators consist of a piston which floats between the main springs (top) and a valve stem (bottom). By turning the adjustment knob clockwise, the main spring is forced onto the piston which, in turn, is pressed onto the valve stem. When the spring force becomes greater than the force of the air pressure in the control chamber below the piston, the valve is forced down and flow begins. As flow continues, the pressure begins to build and air, via the aspirator tube, fills the control chamber. When the underside piston force is greater than the main spring force, the piston is forced upward, causing the main valve to close. The cycle continues in a balanced process of reducing or increasing flow based upon the downstream pressure.

- · High flow in compact size
- · Locking adjustment knob
- · Single pressure range suits any application
- · Relieving or non-relieving models
- · Can be installed as modular or individual unit
- · Standard output pressure 0-125 PSIG

How to Order



NEED MORE PARTS AND INFORMATION?

• See page 35 for information on ordering replacement parts.

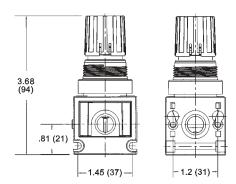






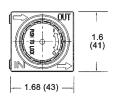
14 Series Manifold Regulator



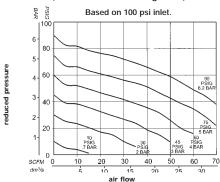


1/8 gauge ports

MOUNTING HOLES
Ø.300 TYP.2 (Ø7.6)

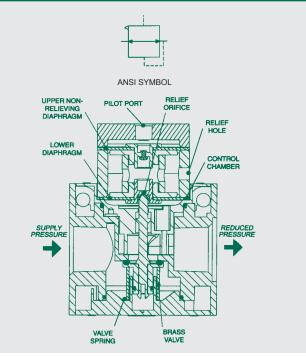


MR14R-02 (14 Series Manifold Regulator)









Regulator

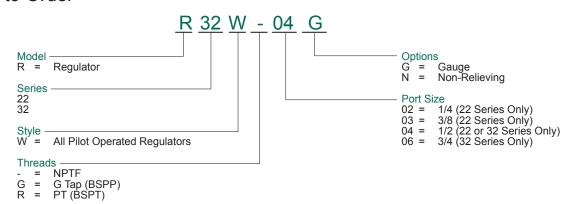
R22, R32 Series

- Two convenient sizes
- · High flow in compact size
- · Can be installed as modular or individual unit
- Standard output pressure 0-125 PSIG
- · Relieving or non-relieving models

Specifications

	22 SERIES	32 SERIES
Temperature Range (°F)	40-120	40-120
Temperature Range (°C)	4-50	4-50
Min. Pilot Pressure (PSI)	15	15
Min. Pilot Pressure (BAR)	1	1
Max. Pilot Pressure (PSI)	150	150
Max. Pilot Pressure (BAR)	10.2	10.2
Max. Supply Pressure (PSI)	150	150
Max. Supply Pressure (BAR)	10.2	10.2
Weight (lbs.)	0.66	1.35
Weight (kg)	0.25	0.50
Body Material	Aluminum	Aluminum

How to Order



NEED MORE PARTS AND INFORMATION?

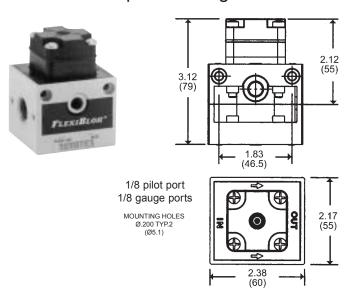
 \bullet See page 35 for information on ordering replacement parts.

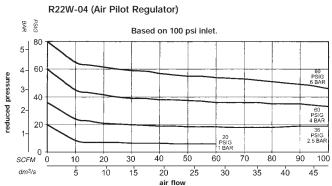






22 Series Pilot Operated Regulator

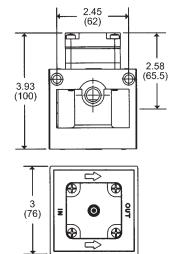




32 Series Pilot Operated Regulator





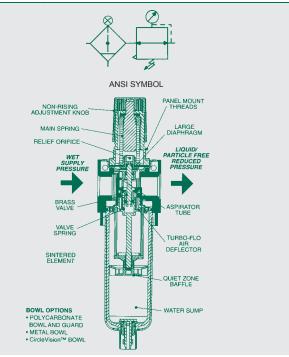


(76)

R32W-06 (Air Pilot Regulator) PSIG BAR Based on 100 psi inlet. 5-reduced pressure 3-2-SCFM





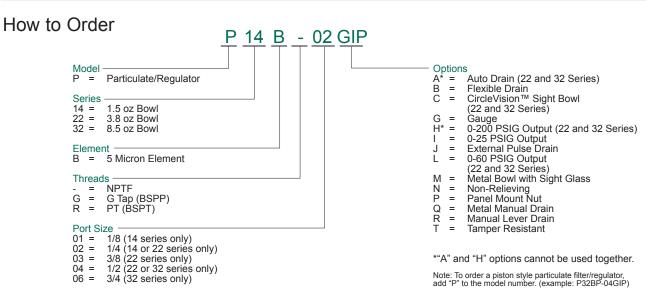


Particulate Filter/Regulator P14B, P22B, P32B Series

- Three convenient sizes
- 5 micron element standard
- · Can be installed as individual or modular unit
- Non-rising knob
- Optional CircleVision™ sight bowl
- · Optional metal bowl with sight glass
- Standard output pressure 0-125 PSIG
- Bowl seal held captive (22 and 32 Series)

Specifications

BOWL	POLYCARBONATE BOWL	CIRCLEVISION™ BOWL	METAL BOWL
Temperature Range (°F)	40-120	40-120	40-120
Temperature Range (°C)	4-50	4-50	4-50
Max. Pressure (PSIG)	150	250	200
Max. Pressure (BAR)	10	17	14
14 Series (Weight, lbs.)	0.75	-	0.80
14 Series (Weight, kg)	0.34	-	0.37
22 Series (Weight, lbs.)	0.91	1.20	1.50
22 Series (Weight, kg)	0.41	0.55	0.68
32 Series (Weight, lbs.)	1.81	2.34	2.94
32 Series (Weight, kg)	0.82	1.06	1.34



NEED MORE PARTS AND INFORMATION?

- See page 35 for information on ordering replacement parts.
- See page 34 for more information on available options.

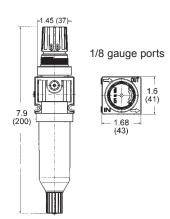


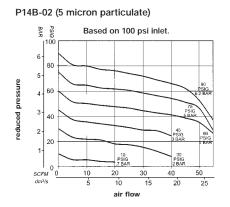




14 Series Filter/Regulator

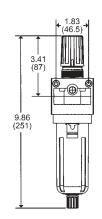


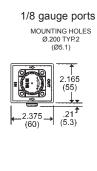


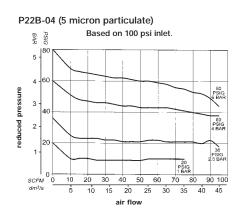


22 Series Filter/Regulator



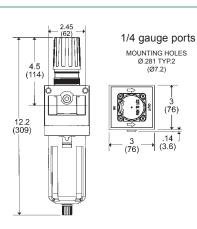


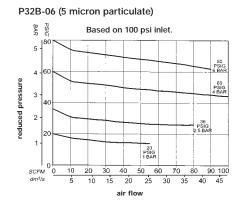




32 Series Filter/Regulator



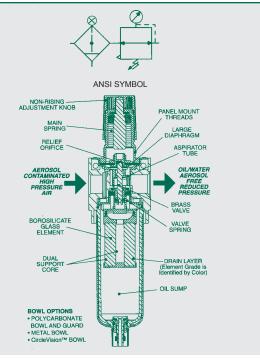




42 Series Filter/Regulator - Coming in 2004







Coalescing Filter/Regulator

C14, C22, C32 Series

- Cartridge element design
- Inner/outer support cores prevent element from crushing in either flow direction
- Connects easily to **FLEXIBLOK** ® Modular system
- · Four element grades available

Recommended Uses

C grade element, identified by its blue drain layer, is a coarse filter for large amounts of water, rust, pipe scale, and liquid hydrocarbons. Excellent for environments that have severe contamination. Can be used for lubricated or 'dry' systems. Ideal for mainline filtration of plant air.

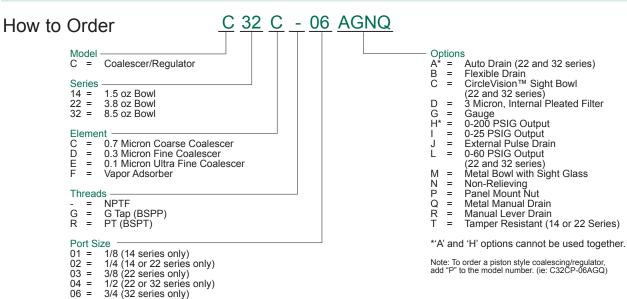
D grade element, identified by its green drain layer, is a fine filter for cylinder or valves - especially when the circuit is being run without lubrication ('dry'). Excellent filter for desiccant or regenerative style dryers.

E grade element, identified by its red drain layer, is an ultra fine filter for oil-free instrumentation air, blow molding, food and drug packaging, electronics applications, and other applications requiring maximum contamination removal.

F grade element, identified by its white drain layer, is an adsorbing filter that utilizes activated carbon to capture hydrocarbon vapor and deodorize compressed air. Typically it is used to protect worker environments, food and drug applications, breathing air, and instrumentation for analytical instruments. Life expectancy is approximately 3 months at rated flow.

Specifications

BOWL	POLYCARBONATE BOWL	CIRCLEVISION™ BOWL	METAL BOWL
Temperature Range (°F)	40-120	40-120	40-120
Temperature Range (°C)	4-50	4-50	4-50
Max. Pressure (PSIG)	150	250	200
Max. Pressure (BAR)	10	17	14
14 Series (Weight, lbs.)	0.80	-	0.85
14 Series (Weight, kg)	0.35	-	0.38
22 Series (Weight, lbs.)	0.92	1.20	1.60
22 Series (Weight, kg)	0.42	0.55	0.73
32 Series (Weight, lbs.)	1.82	2.35	2.95
32 Series (Weight, kg)	0.83	1.07	1.34



NEED MORE PARTS AND INFORMATION?

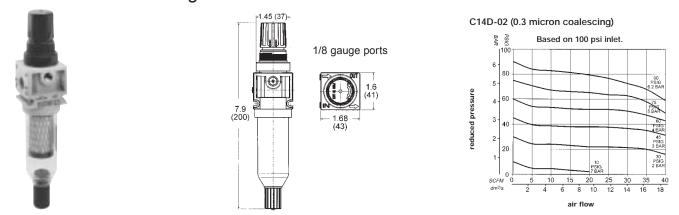
- See page 35 for information on ordering replacement parts.
- See page 34 for more information on available options.



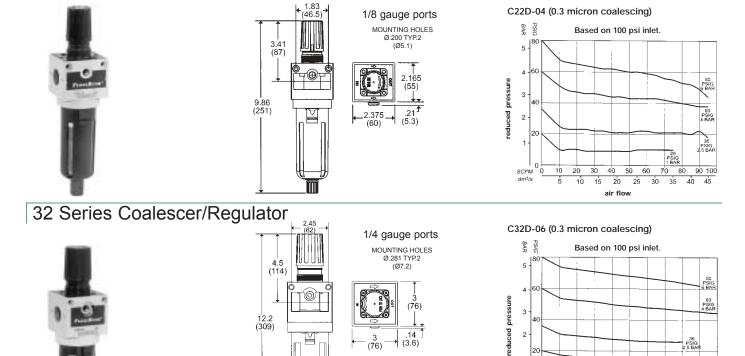




14 Series Coalescer/Regulator



22 Series Coalescer/Regulator



.14 (3.6)

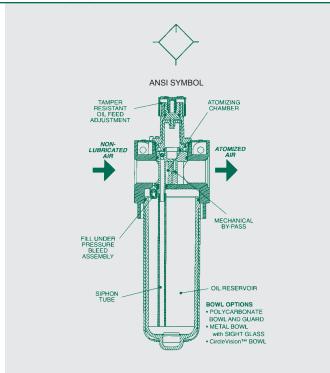
20

50 20

42 Series Coalescer/Regulator - Coming in 2004







Lubricator

L14L, L22L, L32L Series

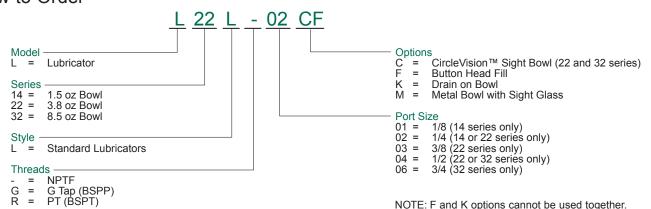
- Three convenient sizes
- Lubrication to begin at 2 SCFM
- Can be filled under pressure (22 and 32 series only)
- Tamper-resistant knob standard
- Optional CircleVision[™] sight bowl
- · Optional metal bowl with sight glass
- · Can be mounted as individual or modular unit
- · Button head fill optional on all sizes
- Atomizing chamber develops longer life aerosols

NOTE: F and K options cannot be used together.

Specifications

	14 SERIES	22 SERIES	32 SERIES
Temperature Range (°F)	40-120	40-120	40-120
Temperature Range (°C)	4-50	4-50	4-50
Max. Pressure (PSIG)	200	200	200
Max. Pressure (BAR)	14	14	14
Weight (lbs.)	0.60	0.69	1.37
Weight (kg)	0.27	0.31	0.62
Body Material	Zinc	Aluminum	Aluminum

How to Order



NEED MORE PARTS AND INFORMATION?

• See page 35 for information on ordering replacement parts.

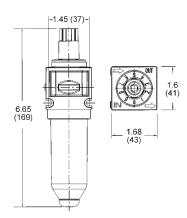


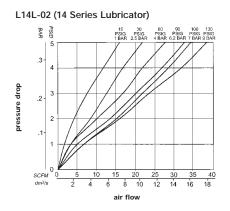




14 Series Lubricator

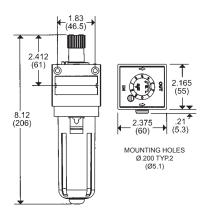


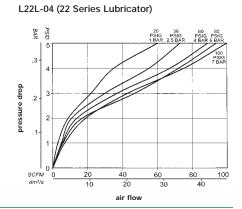




22 Series Lubricator

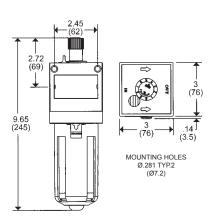


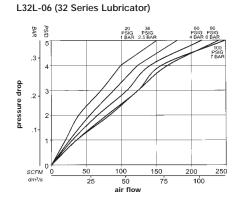




32 Series Lubricator



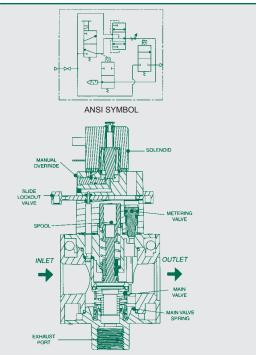




42 Series Lubricator – Coming in 2004







Solenoid Soft Start Quick Exhaust Valve S22C, S32C Series

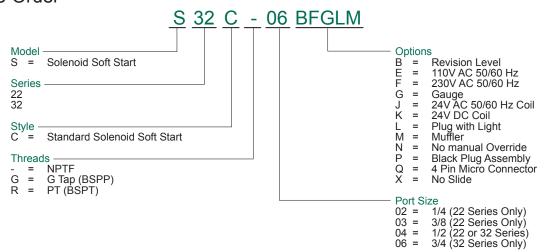
- · Two convenient sizes
- Lockout feature prevents unauthorized pressurization of system
- High exhaust capacity for quick depletion of pressure
- · High inlet to outlet flow capability
- Connects easily to **FLEXIBLOK** ® Modular system
- Incorporated metering valve controls how quickly downstream pressure is reached, which controls the slow start feature

Specifications

22 Series Exhaust Ports (NPTF)	1/2
32 Series Exhaust Ports (NPTF)	1/2
22 Series Gauge Ports (NPTF)	1/8
32 Series Gauge Ports (NPTF)	1/4
Temperature Range (°F)	40-120
Temperature Range (°C)	4-50
Min. Pressure (PSI)	60
Min. Pressure (BAR)	4
Max. Pressure (PSI)	150
Max. Pressure (BAR)	10
22 Series Weight, ilb. (kg.)	0.94 (0.43)
32 Series Weight, lbs. (kg.)	1.56 (0.71)

Cv in-out/out-exh (22 Series, 1/4)	2 / 1.2
Cv in-out/out-exh (22 Series, 3/8)	2.87 / 1.38
Cv in-out/out-exh (22 Series, 1/2)	3.62 / 1.32
Cv in-out/out-exh (32 Series, 1/2)	5.24 / 3.01
Cv in-out/out-exh (32 Series, 3/4)	6.47 / 3.14
Body Material	Aluminum
Wattage and Amperage	
110V AC	1.42 watts / 0.022 amps
230V AC	2.00 watts / 0.016 amps
24V AC	2.00 watts / 0.011 amps
24V DC	2.00 watts / 0.080 amps

How to Order



NEED MORE PARTS AND INFORMATION?

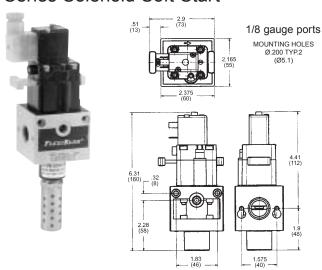
• See page 35 for information on ordering replacement parts.



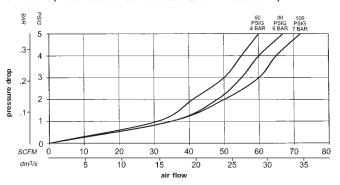




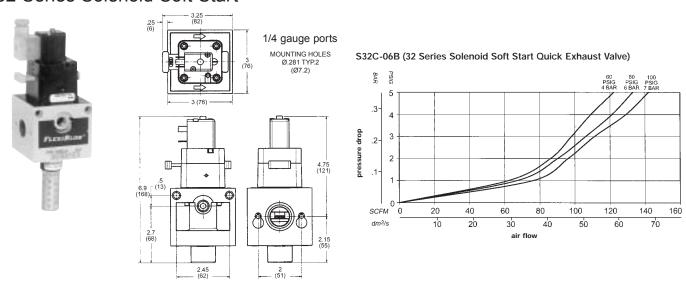
22 Series Solenoid Soft Start



S22C-04B (22 Series Solenoid Soft Start Quick Exhaust Valve)



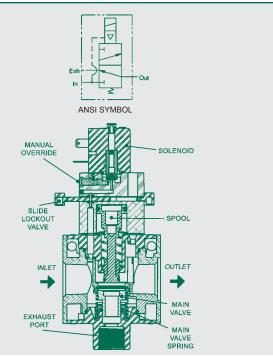
32 Series Solenoid Soft Start



42 Series Solenoid Soft Start - Coming in 2004







Solenoid Quick Exhaust Valve \$14E, \$22E, \$32E Series

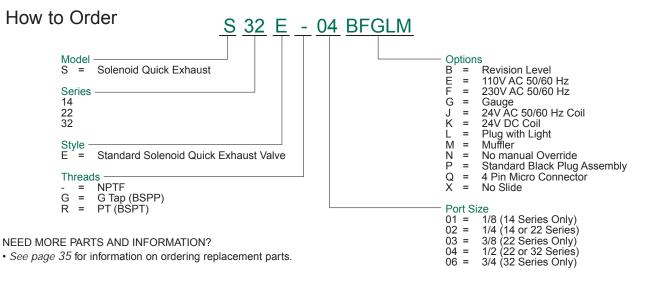
- · Three convenient sizes
- Lockout feature (located in slide valve) prevents unauthorized pressurization of system (22 and 32 Series)
- Standard manual override (or with no manual override option)
- Low-wattage coil prevents high-temperatures
- High exhaust capacity for quick depletion of pressure
- · High inlet to outlet flow capability
- Connects easily to **FLEXIBLOK** ® Modular system

Specifications

-			
	14 SERIES	22 SERIES	32 SERIES
Exhaust Ports (NPTF)	1/8	1/2	1/2
Gauge Ports (NPTF)	10-32 UNF	1/8	1/4
Temperature Range (°F)	40-120	40-120	40-120
Temperature Range (°C)	4-50	4-50	4-50
Min. Pressure (PSI)	40	40	40
Min. Pressure (BAR)	2.76	2.76	2.76
Max. Pressure (PSI)	150	150	150
Max. Pressure (BAR)	10	10	10
Weight, lbs. (kg.)	1.25 (0.57)	1.15 (0.53)	1.75 (0.79)

Wattage and Amperage	
110V AC	1.42 watts / 0.022 amps
230V AC	2.00 watts / 0.016 amps
24V AC	2.00 watts / 0.011 amps
24V AC	2.00 watts / 0.080 amps

Cv in-out/out-exh (14 Series,1/8)	1.15 / 1.10
Cv in-out/out-exh (14 Series, 1/4)	1.55 / 1.10
Cv in-out/out-exh (22 Series,1/4)	2 / 1.2
Cv in-out/out-exh (22 Series, 3/8)	2.87 / 1.38
Cv in-out/out-exh (22 Series, 1/2)	3.62 / 1.32
Cv in-out/out-exh (32 Series, 1/2)	5.24 / 3.01
Cv in-out/out-exh (32 Series, 3/4)	6.47 / 3.14
Body Material	Aluminum

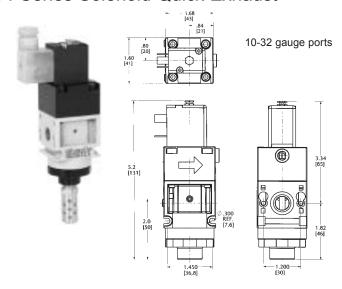




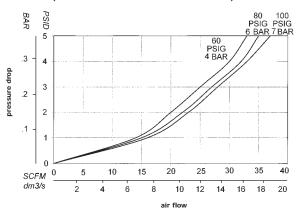




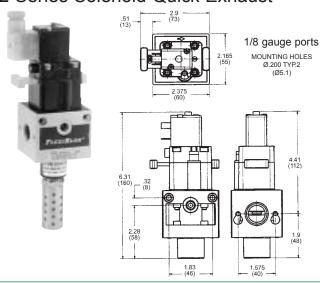
14 Series Solenoid Quick Exhaust



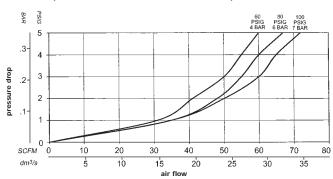
S14E-04B (14 Series Solenoid Quick Exhaust Valve)



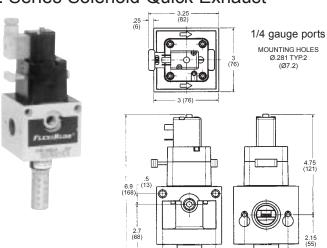
22 Series Solenoid Quick Exhaust



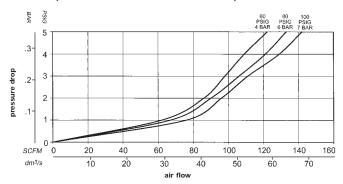
S22E-04B (22 Series Solenoid Quick Exhaust Valve)



32 Series Solenoid Quick Exhaust



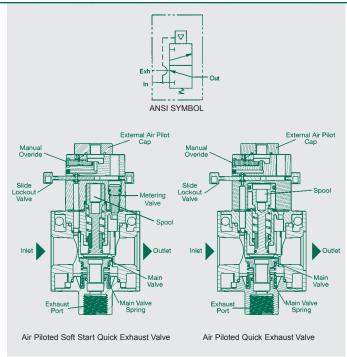
S32E-06B (32 Series Solenoid Quick Exhaust Valve)



MOUNTING HOLES Ø.281 TYP.2 (Ø7.2)







Internally/Externally Piloted Quick Exhaust Valve

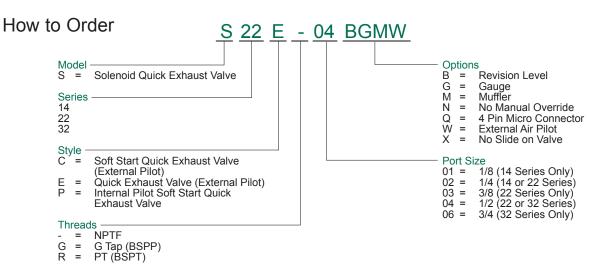
S14, S22, S32 Series

- · Three convenient sizes
- Lockout feature (located in slide valve) prevents unauthorized pressurization of system (22 and 32 Series)
- Standard manual override (or with no manual override option)
- High exhaust capacity for quick depletion of pressure
- · High inlet to outlet flow capability
- Connects easily to **FLEXIBLOK** ® Modular system

Specifications

	14 SERIES	22 SERIES	32 SERIES
Exhaust Ports (NPTF)	1/4	1/2	1/2
Gauge Ports (NPTF)	10-32 UNF	1/8	1/4
Temperature Range (°F)	40-120	40-120	40-120
Temperature Range (°C)	4-50	4-50	4-50
Min. Pressure (PSI)	40	40	40
Min. Pressure (BAR)	2.45	2.45	2.45
Max. Pressure (PSI)	150	150	150
Max. Pressure (BAR)	10	10	10
Weight, ilb. (kg.)	1.25 (0.57)	1.25 (0.57)	1.25 (0.57)
Body Material	Zinc	Aluminum	Aluminum

Cv in-out/out-exh (14 Series)	1.55 / 1.10
Cv in-out/out-exh (22 Series)	3.62 / 1.30
Cv in-out/out-exh (32 Series)	6.47 / 3.14



NEED MORE PARTS AND INFORMATION?

• See page 35 for information on ordering replacement parts.



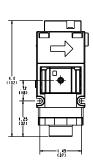


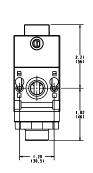


14 Series Internally/Externally Piloted Quick Exhaust Valve

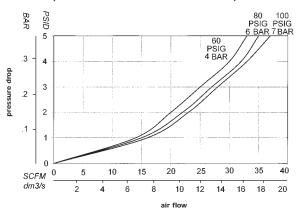








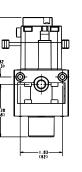
S14E-04B (14 Series Solenoid Quick Exhaust Valve)

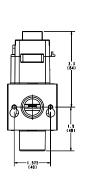


22 Series Internally/Externally Piloted Quick Exhaust Valve

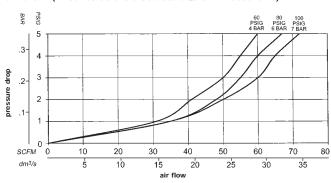






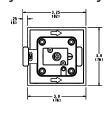


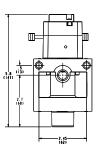
S22C-04B (22 Series Solenoid Soft Start Quick Exhaust Valve)

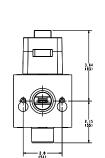


32 Series Internally/Externally Piloted Quick Exhaust Valve

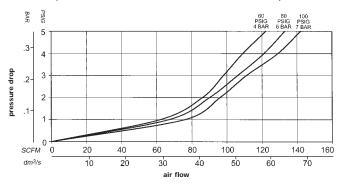








S32C-06B (32 Series Solenoid Soft Start Quick Exhaust Valve)









Shut-Off Valve

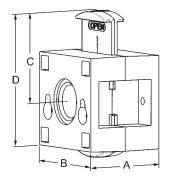
VS14, VS22, VS32 Series

The **FLEXIBLOK** Shut-Off Valve is an easy and inexpensive way to add shut off capability to an FRL. The valve includes a lockout feature designed for a padlock to prevent unauthorized downstream pressurization during maintenance. The shut off valve is usually mounted first in the assembly.

Max. inlet pressure: 200 PSI (13.7 bar)

- · Relieves downstream pressure when closed
- · Lockout feature prevents unauthorized pressurization of system
- Easy modular connection
- Can be used as individual component





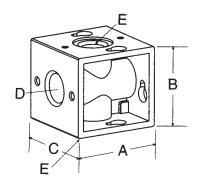
	NPTF	MODEL #S BSPP	BSPT	Α	DIMENSI B	ONS C	D P	ORTS
14	VS14-01	VS14G01	VS14R01	1.63 (41)	1.6 (41)	1.6 (41)	3 (76)	1/8
	VS14-02	VS14G02	VS14R02	1.63 (41)	1.6 (41)	1.6 (41)	3 (76)	1/4
22	VS22-02	VS22G02	VS22R02	2.0 (50)	2.16 (55)	1.86 (47)	3.1 (79)	1/4
	VS22-03	VS22G03	VS22R03	2.0 (50)	2.16 (55)	1.86 (47)	3.1 (79)	3/8
	VS22-04	VS22G04	VS22R04	2.0 (50)	2.16 (55)	1.86 (47)	3.1 (79)	1/2
32	VS32-04	VS32G04	VS32R04	2.25 (57)	3.0 (76)	2.57 (65)	4.2 (107)	1/2
	VS32-06	VS32G06	VS32R06	2.25 (57)	3.0 (76)	2.57 (65)	4.2 (107)	3/4

NOTE: Add "N" to end of model number for non-relieving model (i.e. VS14-01N)

Diverter Block DK14, DK22, DK32 Series

Designed to give **FLEXIBLOK** © components total versatility, the diverter block mounts directly inline with the FRL combination. Additional components can then be manifold mounted in a compact manner that doesn't cause excessive pressure drop. There are two available ports per unit; both are tapped for standard service.

Max. inlet pressure: 200 PSI (13.7 bar)



SERIES	RIES MODEL # DIMENSIONS						PORTS		
	NPTF	BSPP	BSPT	Α	В	С	D	Е	
14	DK14-02	DK14G02	DK14R02	1.72	1.54	1.6	1/4	1/8	Tapped 1/4 NPTF In & Out
				(44)	(39)	(41)			with two 1/8 NPTF branches
22	DK22-03	DK22G03	DK22R03	2.165	2.00	2.165	1/2	3/8	Tapped 1/2 NPTF in & out
				(55)	(50)	(55)			with two 3/8 NPTF branches
32	DK32-04	DK32G04	DK32R04	3.00	2.70	3.00	3/4	1/2	Tapped 3/4 NPTF in & out
				(76)	(69)	(76)			with two 1/2 NPTF branches





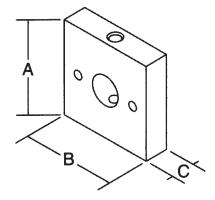


Diverter Plates

HK14, HK22, HK32 Series

Diverter plates are designed to provide air signals in a compact space. Used individually or in combination, they can be used with gauges or switches to determine a pressure or Δ pressure signal.

Max. inlet pressure: 200 PSI (13.7 bar)



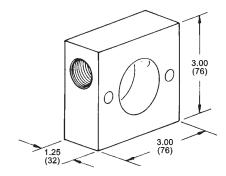
SERIES		MODEL#		DIN	MENSIONS		OUTLET	APPLICATION
	NPTF	BSPP	BSPT	Α	В	С	PORT	
14	HK14-01	HK14G01	HK14R01	1.54 (39)	1.50 (38)	.75 (19)	1/8	Mounts between two units
22	HK22-01	HK22G01	HK22R01	2.00 (51)	2.15 (55)	.75 (19)	1/8	Mounts between two units
32	HK32-01	HK32G01	HK32R01	3.00 (76)	3.00 (76)	.75 (19)	1/8	Mounts between two units

Rear-Ported End Plates

MR32 Series

Available only in the 32 Series, the Rear-Ported End Plate allows an FRL to be mounted flush with a surface and the piping to exit the rear of the combination.

Max. inlet pressure: 200 PSI (13.7 bar)



SERIES	MODEL NUMBER	STYLE	NPTF	DESCRIPTION	
32	MR32A	Α	1/2	Left rear porting	
32	MR32B	В	1/2	Right side rear porting	
32	MR32AB	A/B	1/2	Both rear ported plates	





numailts

Drain Options Automatic Float Drain - 'A' Option



The Auto Float Drain is installed into the bottom of the filter bowl. As the liquid level inside the bowl increases, the tire-like float lifts, allowing the liquid to drain. This drain should not be used in applications exceeding 175 PSI.

MODEL FOR SERIES

AKF00 22,32 Series Autodrain only AKF02 22,32 Series (inc. drain, bushing,o-ring)

Flexible Drain - 'B' Option



The Flexible Drain is as easy to use as pushing the stem to one side and allowing contents to expel. A popular option due to low cost and ease of use. This drain should not be used in applications exceeding 125 PSI.

Model For Series

14,22,32 Series (inc. flexible rubber exterior and inner stem)

External Pulse Drain - 'J' Option



The External Pulse Drain is designed for use in the 12 Series bowl but also works with the 22 and 32 Series. This inexpensive and reliable drain features an incorporated barbed fitting which fits 3/16 ID tubing for easy drainage of liquid and contaminant.

MODEL FOR SERIES

JKF02 14,22,32 Series (includes bushing kit) IDF-01 drain only

Metal Manual Drain - 'Q' Option



The Metal Manual Drain is a newer drain option for the **FLEXIBLOK** * line. Simply turn the drain counter-clockwise to expel bowl contents. Standard on 50, 70, and 600 Series.

Model For Series

QKF02

14,22,32 Series (inc. drain, retaining clip, bushing,o-ring)

Manual Lever Drain - 'R' Option



The Manual Lever Drain allows for convenience and ease of use. Press down on the white lever to manually drain bowl contents. Available for all **FLEXIBLOK** * filters.

MODEL FOR SERIES

RKF02 14,22,32 Series Filters (inc. drain, bushing, clip, o-ring)



Numatics **FLEXIBLOK** * FRL Series



FLEXIBLOK® Coalescing Filter

➤ Element Replacement Kits Filter/Regulators includes filter element only

description kit #

14 SERIES

EKF12C 14 Series, 0.7 micron element 14 Series, 0.7 micron element with EKF12CD

14 Series, 0.3 micron element EKF12D

EKF12DD 14 Series, 0.3 micron element with prefilter 14 Series, 0.1 micron element EKF12E

EKF12ED 14 Series, 0.1 micron element with prefilter

EKF12F 14 Series, adsorbing element

22 SERIES

EKF22C 22 Series, 0.7 micron element EKF22CD 22 Series, 0.7 micron element with prefilter

FKF22D 22 Series, 0.3 micron element EKF22DD 22 Series, 0.3 micron element with

prefilter

EKF22E 22 Series, 0.1 micron element 22 Series, 0.1 micron element with EKF22ED prefilter

EKF22F 22 Series, adsorbing element

32 SERIES

FKF32C 32 Series 0.7 micron element EKF32CD 32 Series, 0.7 micron element with prefilter

EKF32D 32 Series, 0.3 micron element EKF32DD 32 Series, 0.3 micron element with

prefilter

EKF32E 32 Series, 0.1 micron element EKF32ED 32 Series, 0.1 micron element with prefilter

EKF32F 32 Series, adsorbing element

➤ Bowl Replacement Kits Filter/Regulators includes bowl and o-ring

description kit #

14 SERIES

14 Series, polycarbonate bowl RKF12 BKF12M 14 Series, metal bowl

22 SERIES

BKF22 22 Series, polycarbonate bowl 22 Series, CircleVision™ bowl BKF22C BKF22M 22 Series, metal bowl

32 SERIES

BKF32 32 Series, polycarbonate bowl 32 Series, CircleVision™ bowl BKF32C BKF32M 32 Series, metal bowl

To order the bowl replacement kit with a drain, specify the drain suffix in the kit number (keeping suffixes in alphabetical order). For example, to order an flexible drain with a BKF12 kit, order as BKF12B. To order an external pulse drain with a BKF12M kit, order as BKF12JM. Drain suffixes are as follows: B=flexible drain, J=external pulse drain, Q=metal manual drain, R=manual lever drain. See page 34 for additional

drain option information.

➤ Bowl Replacement Kits Lubricated includes bowl and o-ring

description kit

RKI 12 14 Series, polycarbonate bowl BKL12M 14 Series, metal bowl BKL22 22 Series, polycarbonate bowl BKL22C 22 Series, CircleVision™ bowl BKL22M 22 Series, metal bowl BKL32 32 Series, polycarbonate bowl BKL32C 32 Series, CircleVision™ bowl BKL32M 32 Series, metal bowl

To order the bowl replacement kit with a drain or buttonhead fill, specify the appropriate suffix in the kit number (keeping suffixes in alphabetical order). For example, to order a drain

with a BKL12 kit, order as BKF12K. To order a buttonhead fill with a BKL22M kit, order as BKL22FM. Drain suffixes are as follows: F=buttonhead fill, K=drain.

➤ Replacement Drain Kits

description AKF02 auto float drain kit (inc. drain, bushing, clip, o-ring) BKF02 flexible drain (includes drain ass'y) DKF02 standard drain (inc. drain ass'y) QKF02 metal manual drain (inc. drain, bushing, clip, o-ring) JKF02 external pulse drain (inc. drain, bushing, clip, o-ring) RKF02

bushing, clip, o-ring)

FLEXIBLOK® Particulate Filter

➤ Element Replacement Kits Filter/Regulators includes filter element only

manual lever drain (inc. drain.

kit # description EKF12B 14 Series, 5 micron element EKF22B 22 Series, 5 micron element EKF32B 32 Series, 5 micron element

➤ Filter Repair Kits

includes Turbo-Flo, element retainer, quiet zone baffle, deflector retainer

kit # description

RKF12B 14 Series, 5 micron element RKF22B 22 Series, 5 micron element RKF32B 32 Series, 5 micron element

FLEXIBLOK® Coalescing Filter

➤ DPI Replacement Kits

includes DPI assembly kit # description

PAR14-23 14 Series DPI replacement kit PAR22-23 22 Series DPI replacement kit PAR32-23 32 Series DPI replacement kit

FLEXIBLOK® Regulator

➤ Regulator Repair Kits Filter/Regulators includes bonnet and adjustment knob

description RKC14 14 Series, cage kit RKC22 22 Series, cage kit RKC32 32 Series, cage kit

➤ Diaphragm Repair Kits includes diaphragm and inner valve

description kit # RKR12R 14 Series, relieving kit RKR22R 22 Series, relieving kit RKR32R 32 Series, relieving kit RKR12N 14 Series, non-relieving kit RKR22N 22 Series, non-relieving kit RKR32N 32 Series, non-relieving kit

➤ Piston Repair Kits

includes piston, U-cup seal, relief seal

kit # description PKR14R 14 Series, relieving kit PKR22R 22 Series, relieving kit PKR32R 32 Series, relieving kit PKR14N 14 Series, non-relieving kit PKR22N 22 Series, non-relieving kit PKR32N 32 Series, non-relieving kit

> Replacement Adjustment Knob Kits includes adjustment knob only

kit# description

R12-03 14 Series, adjustment knob R22-03 22 Series, adjustment knob R32-03 32 Series, adjustment knob

FLEXIBLOK® Pilot Operated Regulator

➤ Diaphragm Repair Kits

includes relieving diaphragm, non-relieving

diaphragm, inner valve kit # description

RKW22 22 Series, pilot operated regulator

repair kit

RKW32 32 Series, pilot operated regulator

repair kit

FLEXIBLOK® Lubricator

➤ Lubricator Dome Repair Kits includes adjustment knob and adjustment assembly

kit # description

RKL12T 14 Series, lub. dome repair kit or

22 Series, lub. dome repair kit or 32 Series, lub. dome repair kit

> Replacement Adjustment Knob Kits includes adjustment knob only

kit# description

132-06 14 Series, adjustment knob or

22 Series, adjustment knob or 32 Series, adjustment knob

FLEXIBLOK® Shut-Off Valve

➤ Shut-Off Valve Repair Kits

includes slide and 2 o-rings description kit#

RKSV14 14 Series, shut-off valve repair kit RKSV22 22 Series, shut-off valve repair kit 32 Series, shut-off valve repair kit RKSV32

➤ Mounting Brackets includes bracket and panel nut

kit # description

PK12 14 Series mounting bracket PK22 22Series mounting bracket PK32 32 Series mounting bracket

FLEXIBLOK® Sol. Soft Start Quick Exhaust

➤ Solenoid Replacement Kits includes coil only (fits 22 or 32 Series)

NOTE: Numatics FRL does not recommend the disassembly of a solenoid soft start unit outside of our factory.

kit # description S32-44 110V (22 or 32 Series) S32-45 230V (22 or 32 Series) S32-46 24V AC (22 or 32 Series) 24V DC (22 or 32 Series) S32-43

FLEXIBLOK® Screws & O-Rings

➤ Screw & O-Ring Replacement Kits

kit # description KG14 14 Series, inc. 2 screws, 1 o-ring (M4 x 12mm) KGB14 14 Series bulk pack, inc. 100 screws, 50 o-rings (M4 x 12mm) KG22 22 Series, inc. 2 screws, 1 o-ring (M5 x 12mm) KGB22 22 Series bulk pack, inc. 100 screws, 50 o-rings (M5 x 12mm) 32 Series, inc. 2 screws, 1 o-ring KG32 (M6 x 16mm)

32 Series bulk pack, inc. 100

screws, 50 o-rings (M6 x 16mm)

KGB32



World Class Supplier of Pneumatic Components



World Headquarters

Numatics Incorporated

Phone: 248-887-4111 Fax: 248-887-9190

Numatics - Air Preparation

Phone: 810-667-3900 Fax: 810-667-3902

Numatics - Valves

Phone: 248-887-4111 Fax: 248-887-9190

Numatics - Miniature Valves

Phone: 248-960-1400 Fax: 248-960-2160

Numatics - Cylinders

Phone: 615-771-1200 Fax: 615-771-1201

Numatics - Rodless Cylinders

Phone: 519-452-1777 Fax: 519-452-3995

Numatics - Automation

Phone: 440-934-3200 Fax: 440-934-2288

CANADA

Ontario

Numatics, Ltd.

Phone: 519-452-1777 Fax: 519-452-3995

Quebec

Numatics, Ltd.

Phone: 514-332-6444 Fax: 514-332-9273

British Columbia

Numatics, Ltd.
Phone: 604-574-0401
Fax: 604-574-3713

EUROPE

Germany - European Headquarters

Numatics GmbH

Phone: 011-49-22 41-31 60-0 Fax: 011-49-22 41-31 60 40

Hungary

Numatics Kft.

Phone: 011-36-13 82 21 35 Fax: 011-36-12 04 39 47

England

Numatics Limited

Phone: 011-44-1525-37 07 35 Fax: 011-44-1525-38 25 67

France

Numatics s.a.r.l.

Phone: 011-33-1 41 21 48 88 Fax: 011-33-1 41 21 48 89

Italy

Numatics srl

Phone: 011-39-030-373 19 99 Fax: 011-39-030-373 19 81

Netherlands

Numatics B.V.

Phone: 011-31-418-65 29 50 Fax: 011-31-418-65 29 43

Spain

Numatics Spain S.L.

Phone: 011-34-93-221 21 96 Fax: 011-34-93-221 35 14

AFRICA

South Africa

Numatics SA (Pty) Ltd. Phone: 011-27-11-8 65 44 52

Phone: 011-27-11-8 65 44 52 Fax: 011-27-11-8 65 42 90

LATIN & SOUTH AMERICA Mexico

Numatics de Mexico S.A. de C.V. Phone: 011-52-222-284 6176 Fax: 011-52-222-284 6179

Brazil

Valvair Comercial Ltda.
Phone: 011-55-12-351 2874
Fax: 011-55-12-351 1958

ASIA & PACIFIC

Australia

Numatics Australia Pty. Ltd. Phone: 011-61-3-95 63 86 00 Fax: 011-61-3-95 63 85 11

Taiwan - Asian Headquarters

Numatics Co, Ltd. Asia

Phone: 011-886-2-29 15 16 05 Fax: 011-886-2-29 14 18 97

For a comprehensive listing of all Numatics production and distribution facilities worldwide, visit www.numatics.com