

General Purpose Filters *Don't see the combination or specifications you need? Just ask!*

Clean, consistent air pressure is required to achieve long life for your pneumatic components. SVI offers a full line Bimba air preparation products, including air filters, pressure regulators, lubricators, combination filter/regulators, and assembled (F+R+L) combinations. Accessories are also available and include gauges, shut-off valves, porting blocks, and more.

- Available in 4 different series with port sizes ranging from 1/8" NPT to 1-1/2" NPT
- Air louvers direct air in a whirling pattern for superior air filtration and liquid separation
- Plastic (Polypropylene) or Sintered Bronze Filter media available from 5 to 100 micron rating
- **Body Material:** Aluminum Alloy Die Cast
- **Bowl Material:** Transparent Polycarbonate (Miniature Series),
Transparent Polycarbonate with Bowl Guard (Compact and Medium Series),
Aluminum Alloy Metal with Sight Glass (All), or Die Cast Aluminum (Miniature Series)
- Optional Automatic Drains available to eject collected liquid when the collector bowl is full
- All FRL components can be assembled in any combination

COMPACT



SPECIFICATIONS AND DIMENSIONS

Filter Element Size: 5, 25, 50 micron

Maximum Inlet Pressure:

PC Bowl	150 psig (10.5 kg/cm ²) (Except Large)
Metal Bowl	250 psig (17.5 kg/cm ²)

Max. Operating Temp. (ambient):

PC Bowl	125° F (50° C)
Metal Bowl	175° F (80° C)

Standard Nominal Flow Rate at 85 psig (6 bar) supply pressure and 14.5 psig (1 bar) drop:

1/4 NPT	90 scfm (43 dm ³ /sec)
3/8, 1/2 NPT	100 scfm (48 dm ³ /sec)

Manual Drain, Semi-Automatic Drain (Medium Only), or Auto Drain

Compact Series (20)—Port Sizes 1/4", 3/8" and 1/2" NPT

AS-2100-01	1/4" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Manual
AS-2100-02	1/4" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Automatic
AS-2100-03	3/8" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Manual
AS-2100-04	3/8" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Automatic

Medium Series (60)—Port Sizes 1/2" and 3/4" NPT

AS-2100-05	1/2" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Manual
AS-2100-06	1/2" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Semi-Auto
AS-2100-07	1/2" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Automatic
AS-2100-08	3/4" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Manual
AS-2100-09	3/4" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Semi-Auto
AS-2100-10	3/4" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Automatic

Large Series (70)—Port Sizes 1" and 1-1/2" NPT

AS-2100-11	1" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Manual
AS-2100-13	1" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Automatic
AS-2100-17	1-1/2" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Manual
AS-2100-19	1-1/2" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max	Automatic

MEDIUM



Air Pressure Regulators *Don't see the regulator or specifications you need? Just ask!*

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- Available in 4 different series with port sizes ranging from 1/8" NPT to 1-1/2" NPT
- Relieving diaphragm style reduces downstream pressure spikes
- Includes a non-rising plastic knob adjustment
- All FRL components can be assembled in any combination



SPECIFICATIONS AND DIMENSIONS

Regulator Type: Relieving Diaphragm

Body Material: Aluminum Alloy Die Cast

Pressure Adjustment: Non-Rising Plastic Knob

Max. Inlet Pressure: Miniature = 250 PSIG; Compact, Medium and Large = 300 PSIG

Max. Operating Temp. (ambient): 175° F (80° C)

Regulated Secondary Outlet Pressure Ranges Available*

5 to 55 psig

12 to 125 psig (Miniature, Compact, or Medium)

15 to 150 psig

Gauge Size: 40 mm OD (Compact and Medium)

52 mm OD (Large)

Gauge Port Size: 1/8" NPT

**Standard Nominal Flow Rate at 145 psig (10 bar) supply pressure,
85 psig (6 bar) secondary pressure, 14.5 psig (1 bar) drop**

Compact: 1/4" NPT 49 scfm (23 dm³/sec)

3/8", 1/2" NPT 84 scfm (40 dm³/sec)

Medium: 1/2" NPT 130 scfm (60 dm³/sec)

3/4" NPT 170 scfm (80 dm³/sec)

Large: 1" to 1-1/2" NPT 440 scfm (210 dm³/sec)

Panel Mounting: Nut Included Std. (1.89" dia. hole required for panel mounting)



* Note: Regulated pressures can be adjusted to pressures greater than or less than the pressure ranges specified. For best results pressure should always be set by adjusting the pressure up to the desired setting. Do not use these units to control pressures outside of the specified ranges.

Compact Series (20 Series)—Port Sizes 1/4", 3/8" and 1/2" NPT

AS-2101-01 1/4" NPT Non-Rising Plastic Knob, No Gauge 15 to 150 psi range

AS-2101-02 3/8" NPT Non-Rising Plastic Knob, No Gauge 15 to 150 psi range

Medium Series (60 Series)—Port Sizes 1/2" and 3/4" NPT

AS-2101-03 1/2" NPT Non-Rising Plastic Knob, No Gauge 15 to 150 psi range

AS-2101-04 3/4" NPT Non-Rising Plastic Knob, No Gauge 15 to 150 psi range



Large Series (70 Series)—Port Sizes 1" and 1-1/2" NPT

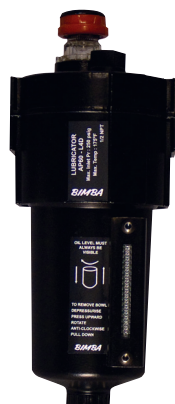
AS-2101-05 1" NPT Non-Rising Plastic Knob, No Gauge 15 to 150 psi range

AS-2101-07 1-1/2" NPT Non-Rising Plastic Knob, No Gauge 15 to 150 psi range

Air Line Lubricators *Don't see the lubricator or specifications you need? Just ask!*

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- Available in 4 different series with port sizes ranging from 1/8" NPT to 1-1/2" NPT
- Distributes oil into air line, increasing life of downstream valves/actuators
- Fine adjust knob with visual indication gives constant oil/air output ratio
- **Body Material:** Aluminum Alloy Die Cast
- **Bowl Material:** Transparent Polycarbonate with Bowl Guard or Aluminum Alloy Metal with Sight Glass
- All FRL components can be assembled in any combination



SPECIFICATIONS AND DIMENSIONS

Lubricator Type: Misting Type

Bowl Capacity: 160cc (Compact); 200cc (Medium); 1 liter (Large)

Maximum Inlet Pressure:

PC Bowl	150 psig (10.5 kg/cm ²)
Metal Bowl	250 psig (17.5 kg/cm ²)

Max. Operating Temp. (ambient):

PC Bowl	125° F (50° C)
Metal Bowl	175° F (80° C)

Standard Nominal Flow Rate at 85 psig (6 bar) supply and 14.5 psig (1 bar) pressure drop

Compact:	1/4" NPT	37 scfm (18 dm ³ /sec)
	3/8", 1/2" NPT	74 scfm (74 dm ³ /sec)
Medium:	1/2" NPT	110 scfm (52 dm ³ /sec)
	3/4" NPT	125 scfm (60 dm ³ /sec)
Large:	1" to 1-1/2" NPT	410 scfm (195 dm ³ /sec)

Minimum Flow Required to Start (at 6 bar inlet):

1/4" NPT	2.5 scfm (1.2 dm ³ /sec)
3/8", 1/2" NPT	4.0 scfm (1.9 dm ³ /sec)
1/2" NPT	3.2 scfm (1.5 dm ³ /sec)
3/4" NPT	3.2 scfm (1.5 dm ³ /sec)
1" to 1-1/2" NPT	7.2 scfm (3.4 dm ³ /sec)

Recommended Lubricants (Large Series):

Use any misting type oil rated 50–200 SSU (ISO Grade 7–46) at 100° F (38° C).

Compact Series (20)—Port Sizes 1/4", 3/8" and 1/2" NPT

AS-2102-01	1/4" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max
AS-2102-02	3/8" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max

Medium Series (60)—Port Sizes 1/2" and 3/4" NPT

AS-2102-03	1/2" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max
AS-2102-04	3/4" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max

Large Series (70)—Port Sizes 1" and 1-1/2" NPT *(Metal Bowl Only)*

AS-2102-05	1" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max
AS-2102-07	1-1/2" NPT	Metal Bowl w/ Sight Glass	175°F max	250 psig max



Assembled Combinations *Don't see the specifications you need? Just ask!*

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- Available in 4 different series with port sizes ranging from 1/8" NPT to 3/4" NPT
- Combination designs save space and installation time
- Manual, Automatic and Semi-Automatic drain types available
- Bowls are available in transparent polycarbonate or metal zinc die cast
- All FRL components can be assembled in any combination

Filter, Regulator, Lubricator

Models listed below are for the Metal Bowl option and include a Gauge and Mounting Bracket.

AS-2103-01	1/4" NPT	Manual Drain	15 to 150 psi
AS-2103-01A	1/4" NPT	Automatic Drain	15 to 150 psi
AS-2103-02	3/8" NPT	Manual Drain	15 to 150 psi
AS-2103-02A	3/8" NPT	Automatic Drain	15 to 150 psi
AS-2103-03	1/2" NPT	Manual Drain	15 to 150 psi
AS-2103-03A	1/2" NPT	Automatic Drain	15 to 150 psi
AS-2103-04	3/4" NPT	Manual Drain	15 to 150 psi
AS-2103-04A	3/4" NPT	Automatic Drain	15 to 150 psi



SVI International, Inc.

(800) 321-8173 • Fax: (800) 899-1784

155 Harvestore Drive • DeKalb, IL 60115

More Information and Catalogs Online: www.sviinternational.com