

# Filter / Regulator – Standard SB2

= "Most Popular"



**SB2-04-LLS0**

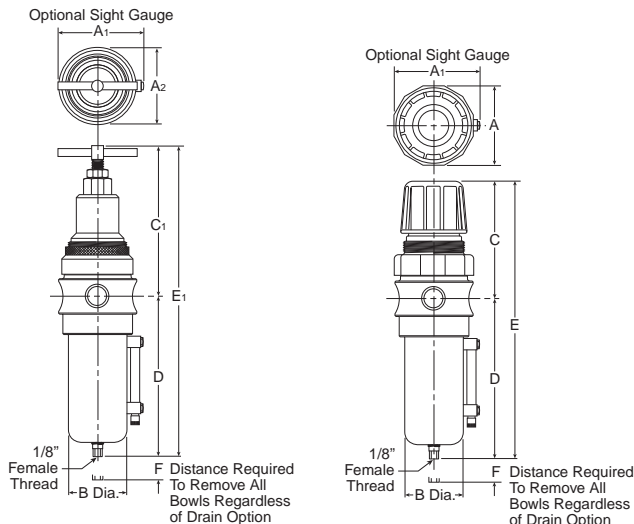


**SB2-04-LLSS**

## Features

- Stainless Steel Construction Handles Most Corrosive Environments
- Large Diaphragm to Valve Area Ratio for Precise Regulation and High Flow Capacity
- 1/8" Female Threaded Drain
- Meets NACE Specifications MR-01-75/ISO-15156
- Low Temperature Version Available
- High Flow: 1/2" – 72 SCFM<sup>§</sup>

<sup>§</sup> SCFM = Standard cubic feet per minute at 100 PSIG inlet, 75 PSIG no flow secondary setting and 15 PSIG pressure drop.



## Dimensions

Models	Inches (mm)	A	A1	A2	B	C	C1	D	E	E1	F
Miniature Unit SB2-04-XXXX		2.34 (60)	2.50 (64)	3.36 (85)	1.75 (44)	3.59 (91)	4.70 (119)	5.00 (127)	8.59 (218)	9.70 (246)	2.12 (54)

## Specifications

Flow Capacity*	Port Size	5 Micron
	1/2	72 SCFM
Bowl Capacity		4.0 Ounces
Filter Rating		5 Micron
Gauge Port		1/4 Inch
Port Threads		1/2 Inch

### Pressure & Temperature Ratings –

- SB2-04-LLS0 (Metal Bowl with or without Sight Gauge)–  
300 PSIG Max. (20.7 bar)  
0°F to 150°F (-18°C to 66°C)
- SB2-04-LLSS (Metal Bowl without Sight Gauge)–  
300 PSIG Max. (20.7 bar)  
0°F to 180°F (-18°C to 82°C)
- SB2-04-LLSS (Metal Bowl with Sight Gauge)–  
300 PSIG Max. (20.7 bar)  
0°F to 150°F (-18°C to 66°C)
- Automatic Float Drain –  
15 to 175 PSIG (1 to 12 bar)  
32°F to 150°F (0°C to 66°C)

**Note: Air must be dry enough to avoid ice formation at temperatures below 32°F (0°C).**

Useful Retention **	1.7 Ounce
Weight	2.42 lb. (1.09 kg)

\* Inlet pressure 100 PSIG (6.9 bar) and 75 PSIG (5.2 bar) no flow secondary setting and 25% pressure drop.

\*\* Useful Retention refers to volume below the quiet zone baffle.

## Materials of Construction

Adjustment Mechanism / Springs	316 Stainless Steel
Body	316 Stainless Steel
Bonnet / Knob (SB2-04-LYS0)	Acetal
Bonnet / Tee Handle (SB2-04-LLSS)	316 Stainless Steel
Bottom Plug	316 Stainless Steel
Poppet	316 Stainless Steel
Seals	Fluorocarbon
Sight Gauge	Isoplast

## ⚠ WARNING

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

## CAUTION:

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

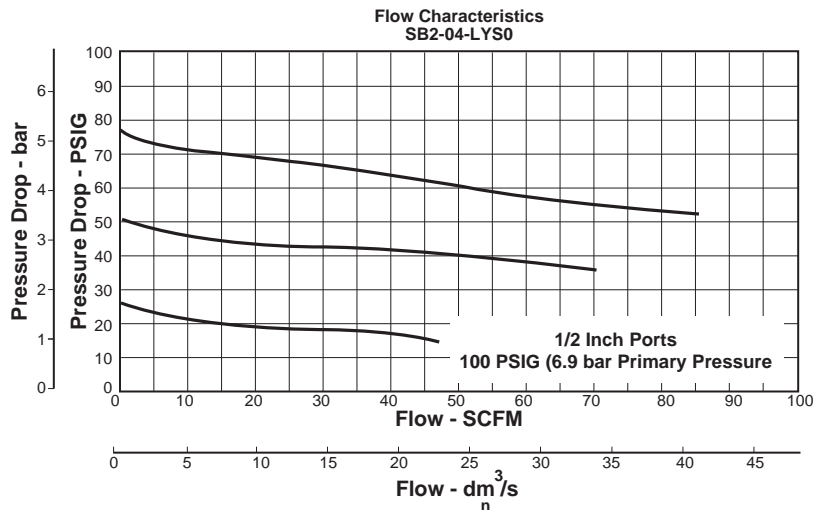
For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.



### SB2 Regulator Kits & Accessories

- Bonnet Kit SB2-04-LLS0 (Knob) .....SRP-96-018
- Bonnet Kit SB2-04-LLSS (T-Handle).....CKR11YSS
- Drain Kit –
  - Automatic Float Drain (New) .....SRP-96-27
  - Automatic Float Drain (Old) ..... SRP-96-007
  - Manual Twist Drain (New) ..... SAP05481
  - Manual Twist Drain (Old)..... SRP-96-008
- Filter Element Kits –
  - Particulate (5 Micron) ..... SRP-96-003
  - Particulate (40 Micron) ..... SRP-96-004
- Gauge (Stainless) –
  - 160 PSIG (0 to 1100 kPa), 2" Face ..... K4520N14160SS
- Liquid Level Sight Gauge Kit ..... SRP-96-026
- Mounting Bracket (Stainless)..... R10Y57-SS
- Panel Mount Nut –
  - Stainless ..... SRP-96-020
  - Plastic .....R10X51-P
- Pipe Nipple –
  - 1/2" 316 Stainless Steel .....SRP-96-010
- Service Kit –
  - Relieving .....SRP-96-011
  - Non-Relieving .....SRP-96-012
- Springs –
  - 0-60 PSIG Range ..... SPR-388-1-SS
  - 0-125 PSIG Range .....SPR-389-1-SS
  - 0-250 PSIG Range ..... SPR-390-1-SS

**Note:** Order pressure gauge and panel mount nut separately.  
**Note:** 1.75" dia. (44.5 mm) hole required for panel mounting (order panel nut separately).



### Ordering Information

Model Type	Port Size	0 to 125 PSIG (0 to 8.6 bar)	0 to 60 PSIG (0 to 4.1 bar)	0 to 250 PSIG (0 to 17.2 bar)
Relieving	1/2	SB2-04-LLS0	SB2-04-KYS0	SB2-04-MYS0
Non-Relieving	1/2	SB2-04-YYs0	SB2-04-XYS0	SB2-04-ZYS0

Options - To order an option supplied with the unit model, add the appropriate coded suffix letter in the designated position of the model number.