

# SV102

Precision Pressure Regulator

Valcor Instrument Automation Series



## DESCRIPTION

The SV102 Precision Pressure Regulator is a compact, highly repeatable and accurate non-bleed type regulator for use where zero consumption is required.

It is offered in both relieving and non-relieving designs. The relieving design maintains a constant output pressure even when downstream conditions change. The non-relieving designs do not automatically compensate for a relieving type regulator, and the output pressure can increase due to a downstream event. The non-relieving designs are suitable for use with compatible fluids. The SV102 is not recommended for applications where dead ended, zero flow is required.

## APPLICATION

The SV102 series is suitable for a variety of industrial applications, both new and retrofit. Typical applications employing the SV102 include:

- Pressure control of inks and toners in printing applications (non-relieving)
- Inert gas pressurization of reaction vessels
- Controlling flow of process gasses in packaging applications
- Varied uses in food processing, pharmaceutical, and manufacturing

## FEATURES

- Small physical size
- Fast response
- 3 different pressure ranges available
- 3 different portings available
- Can be panel mounted



## VALCOR SV102 SPECIFICATIONS

### Parts

Valcor P/N	Description	Type	Pressure	Elastomer	Ports I/O
SV102AR3V	Regulator	Relieving	2-100	Viton	10-32
SV102AN3V	Regulator	Nonrelief	2-100	Viton	10-32
SV102AR1V	Regulator	Relieving	.5-10	Viton	10-32
SV102AN1V	Regulator	Nonrelief	.5-10	Viton	10-32
SV102AR2V	Regulator	Relieving	1-50	Viton	10-32
SV102AN2V	Regulator	Nonrelief	1-50	Viton	10-32
SV102BR3V	Regulator, manifold	Relieving	2-100	Viton	10-32/M
SV102BN3V	Regulator, manifold	Nonrelief	2-100	Viton	10-32/M
SV102BR1V	Regulator, manifold	Relieving	.5-10	Viton	10-32/M
SV102BN1V	Regulator, manifold	Nonrelief	.5-10	Viton	10-32/M
SV102BR2V	Regulator, manifold	Relieving	1-50	Viton	10-32/M
SV102BN2V	Regulator, manifold	Nonrelief	1-50	Viton	10-32/M
SV102CR3V	Regulator, NPT	Relieving	2-100	Viton	1/8 NPT
SV102CN3V	Regulator, NPT	Nonrelief	2-100	Viton	1/8 NPT
SV102CR1V	Regulator, NPT	Relieving	.5-10	Viton	1/8 NPT
SV102CN1V	Regulator, NPT	Nonrelief	.5-10	Viton	1/8 NPT
SV102CR2V	Regulator, NPT	Relieving	1-50	Viton	1/8 NPT
SV102CN2V	Regulator, NPT	Nonrelief	1-50	Viton	1/8 NPT

### Specifications

Size	3.8" H x 2.00" @ x 3.1" D
Weight	6.0 oz. (628 g)
Port Connection	1/18" NPT inlet port 1/4" NPT outlet port
Materials in Contact with Fluid	Brass, FKM, PTFE
Maximum Rated Inlet Pressure	300 PSIG
Regulated Pressure Range	.5-10 PSI, 1-50 PSI, 2-100 PSI
Special Requirements	Consult factory

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## Dimensions

