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Hard copy product catalogues, and CDRoms have been published describing Kuhnke Pneumatics, Solenoids, Relays and Electronics; some divided into different books. A list of current publications is available on this web site or from our sales offices. Some may be available for download, but as substantially larger files.

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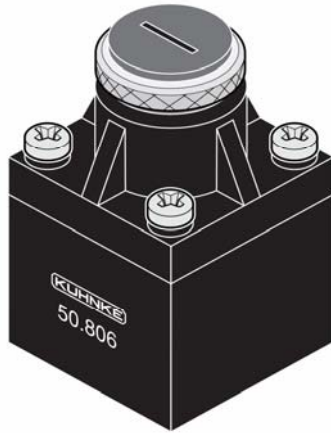
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# Regulators

## Series 50 Manifold Regulator

Kuhnke System Logic Devices

### Manifold Mounted Miniature Pressure Regulator



The manifold mounted regulator was designed for use on custom manifolds. The miniature regulator is available in both relieving and non-relieving versions in a molded housing.

The unit is screw driver adjustable and is equipped with a locking ring to prevent tampering after the setting is made.

Several adjustment ranges are available for close regulation in most applications. Special designs are available.



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### Technical Specifications

**Op. Pressure:**

0-10 bar

**Regulator Range:**

0-5 bar

**Porting:**

Manifold mounted.

**Flow Rate:**

Dependent on regulator model.  
See charts.

**Media:**

Filtered air.

**Types:**

Relieving or non-relieving.  
Single stage, diaphragm/  
spring construction.

**Response Time:**

(Dependent on secondary volume).  
Response average: 45ms at 20%  
loss of secondary air pressure;  
100ms at 50% loss of secondary  
air pressure.

**Adjustment:**

Screw driver Adj. Equipped with  
locking nut to prevent tampering  
after setting is  
made.

**Materials:**

Molded POM housing,  
stainless and brass interior parts,  
Buna N seals.

**Operating Ambient:**

0° C to +60° C

**Dimensions:**

Height – 42mm  
Width – 30mm Square  
Weight – 6 gr..

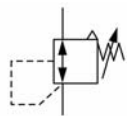
**Drilling Plan:**

See drawing.

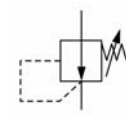
### Selection Chart

Secondary Pressure Regulation Range	Catalogue Number	
	Relieving Type	Non- Relieving Type
5 Bar	50806-00-50-00	50806-00-50-10
2.5 Bar	50806-00-25-00	50806-00-25-10

### Diagrams



Relieving

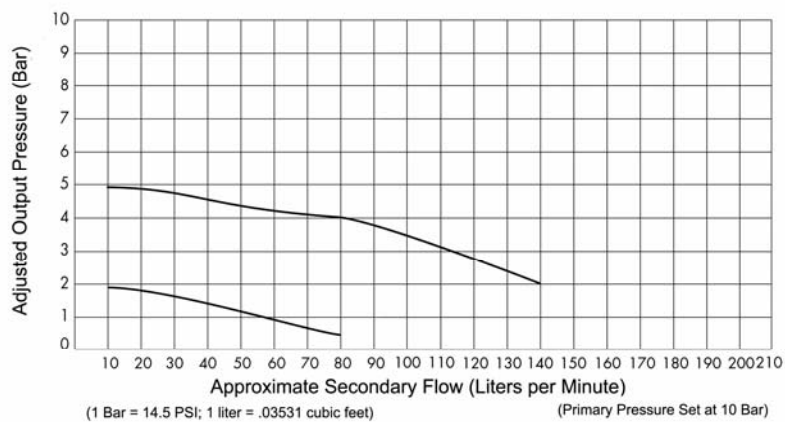


Non- Relieving

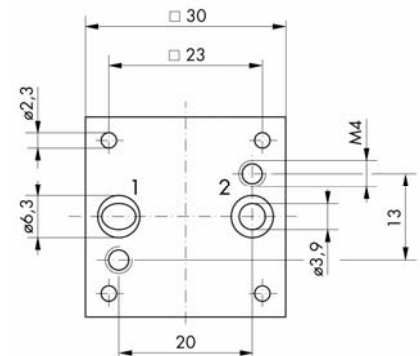
### Operation

Relieving type regulators allow excessive pressure on the secondary side of the regulator to bleed off to the atmosphere, helping maintain steady pressure. Non-relieving types are used where pressure build up is not a concern as in air motors, or air gun applications etc.

### Flow Chart



### Drilling Plan



Regulator Bottom View  
(Dimensions in millimeters)