When Clippard introduced a miniature regulator in 1962, the MAR-1 became very popular as a simple, robust, and cost-effective regulator in a small package with exceptionally long life. As regulator applications continue to increase, Clippard is meeting the demand with a variety of new models, options and improvements.

Regulators are offered in either relieving or non-relieving versions. The relieving design maintains a constant pressure output even when downstream conditions change, while non-relieving regulators do not automatically compensate for changes in downstream flow or pressure. There is no vent to atmosphere, as in a relieving type regulator, and the output pressure can increase due to a downstream event. Non-relieving versions can accommodate compatible liquid applications.

**Medium:** Air, Water* or Oil*

**Input Pressure:** 300 psig max.

**Air Flow:** 3 scfm @ 50 psig; 5 scfm @ 100 psig

**Temperature Range:** 32 to 230°F

**Mounting:** #15/32-32 thread. Nuts and lockwashers furnished

**Materials:** Brass body, Nitrile seals (FKM optional “-V”), stainless steel stem and spring

**Adjustment:** By means of a knob with micro-adjustment (40 pitch thread). Screwdriver slot and plastic adjustment versions also available.

**1C and 1CP Models:** As plunger is depressed, pressure increases proportionally to the travel; when plunger is released the input is closed and the output pressure is exhausted to atmosphere. 7/32” plunger travel.

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**Order Information**

<table>
<thead>
<tr>
<th>Inlet</th>
<th>Outlet</th>
<th>Base Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>#10-32 Female</td>
<td>#10-32 Female</td>
<td>MAR-1</td>
</tr>
<tr>
<td>1/8” NPT Male</td>
<td>#10-32 Female</td>
<td>MAR-1P</td>
</tr>
<tr>
<td>#10-32 Male</td>
<td>Manifold</td>
<td>MAR-1M</td>
</tr>
<tr>
<td>#10-32 Female</td>
<td>#10-32 Female</td>
<td>MAR-1C</td>
</tr>
<tr>
<td>1/8” NPT Male</td>
<td>#10-32 Female</td>
<td>MAR-1CP</td>
</tr>
<tr>
<td>Cartridge</td>
<td>Cartridge</td>
<td>MAR-1R</td>
</tr>
<tr>
<td>1/8” NPT Male</td>
<td>1/8” NPT Female</td>
<td>MAR-1BP</td>
</tr>
</tbody>
</table>

FKM Seals and Electroless Nickel Plating also available

**Example Part No.:** MAR-1BP-5

**Options**

**Knob**
- (blank) Knurled Knob  
- K Plastic Knob  
- F Screwdriver Slot  
- C Plunger Style*

**Type**
- (blank) Relieving  
- NR Non-Relieving  

**Max. Pressure Range**
- (blank) 10 - 100 psig  
- -2 10 - 20 psig  
- -3 10 - 30 psig  
- -4 10 - 40 psig  
- -5 10 - 50 psig  
- -6 10 - 60 psig  
- -7 10 - 70 psig

*Available in relieving version for MAR-1 and MAR-1P only

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**Clippard Instrument Laboratory, Inc.**
7390 Colerain Avenue • Cincinnati, OH 45239 • 513-521-4261 • 877-245-6247 • Fax 513-521-4464 • www.clippard.com

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