**Non plug-in sandwich pressure regulator with manual adjust knob**

### OPERATIONAL BENEFITS

1. Easy mounting: saves on installation costs in comparison with inline regulators.
2. Allows to have compact, all-included units.
3. Large orifice provides high flow.
4. Various functions available.
5. Simple, reliable and solid design.

### HOW TO ORDER

#### INTERNAL PILOT

<table>
<thead>
<tr>
<th>Gage</th>
<th>Single pressure</th>
<th>Single pressure</th>
<th>Dual pressure</th>
<th>Dual pressure</th>
<th>Dual pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Regulator 14 and</td>
<td>Regulator 12 and</td>
<td>Regulator 14 and</td>
<td>Regulator 12 and</td>
<td>Regulator 14 and</td>
</tr>
<tr>
<td></td>
<td>Same regulated pressure to ports 2 and 4</td>
<td>Same regulated pressure to ports 2 and 4</td>
<td>Regulator 14 and Regulator 12 and</td>
<td>Regulator 14 and Regulator 12 and</td>
<td>Regulator 14 and Regulator 12 and</td>
</tr>
<tr>
<td>No gage</td>
<td>PRA1A-GAAA</td>
<td>PRA1A-GCAA</td>
<td>PRA1A-GBAA</td>
<td>PRA1A-GDAA</td>
<td>PRA1A-GEAA</td>
</tr>
<tr>
<td>Gage perpendicular to regulator(s)</td>
<td>PRA1A-GABA</td>
<td>PRA1A-GCBA</td>
<td>PRA1A-GBBA</td>
<td>PRA1A-GDBA</td>
<td>PRA1A-GECA</td>
</tr>
<tr>
<td>Gage parallel to regulator(s)</td>
<td>PRA1A-GADA</td>
<td>PRA1A-GCDA</td>
<td>PRA1A-GDBA</td>
<td>PRA1A-GDDA</td>
<td>PRA1A-GECA</td>
</tr>
</tbody>
</table>

#### EXTERNAL PILOT AND REMOTE AIR

<table>
<thead>
<tr>
<th>Gage</th>
<th>Single pressure</th>
<th>Single pressure</th>
<th>Dual pressure</th>
<th>Dual pressure</th>
<th>Dual pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Regulator 14 and</td>
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<td>Regulator 14 and Regulator 12 and</td>
<td>Regulator 14 and Regulator 12 and</td>
</tr>
<tr>
<td>No gage</td>
<td>PRA1A-HAAA</td>
<td>PRA1A-HCAA</td>
<td>PRA1A-HBAA</td>
<td>PRA1A-HDAA</td>
<td>PRA1A-HEAA</td>
</tr>
<tr>
<td>Gage perpendicular to regulator(s)</td>
<td>PRA1A-HABA</td>
<td>PRA1A-HCBA</td>
<td>PRA1A-HBBA</td>
<td>PRA1A-HDBA</td>
<td>PRA1A-HECA</td>
</tr>
<tr>
<td>Gage parallel to regulator(s)</td>
<td>PRA1A-HADA</td>
<td>PRA1A-HCDA</td>
<td>PRA1A-HBDA</td>
<td>PRA1A-HDDA</td>
<td>PRA1A-HEEA</td>
</tr>
</tbody>
</table>

* To be used with dual pressure valves.

Note: regulating range for above models is 0-120 PSI. For other ranges see technical data page.

### ADJUSTMENT OPTIONS

- **A** for slotted stem adjustment (internal pilot)
- **B** for slotted stem adjustment (external/remote air)
- **K** for slotted stem with locknut (internal pilot)
- **L** for slotted stem with locknut (external/remote air)
### Technical Data

**Fluid:** Compressed air, inert gases

**Pressure range:** 0 to 150 PSI

**Regulating range:** 0 to 120 PSI (other ranges see below)

**Lubrication:** Not required, if used select a medium on-line point lubricant (between 180°F to 210°F)

**Filtration:** 40 µ

**Temperature range:** 0°F to 120°F (-18°C to +50°C)

**Flow:** 1.0 Cv

**Spare parts:**
- Pressure regulator (less sandwich block) : PRA1A00 (KNOB), PRA1A00A (SLOTTED STEMM), PRA1A00AA (SLOTTED STEM WITH LOCKNUT)
- Gage : N8201601 (0-120 PSI perpendicular)
  - N8201602 (0-120 PSI parallel)
  - N8201603 (0-80 PSI perpendicular)
  - N8201604 (0-80 PSI parallel)
  - N8201605 (0-30 PSI perpendicular)
  - N8201606 (0-30 PSI parallel)

**Regulating range options:** PRA1A000
- Replace by B : 0 to 80 PSI
- Replace by C : 0 to 30 PSI
- Replace by D : 0 to 120 PSI on 1/4" end - 0 to 80 PSI on 1/2" end
- Replace by E : 0 to 120 PSI on 1/4" end - 0 to 80 PSI on 1/2" end
- Replace by F : 0 to 120 PSI on 1/4" end - 0 to 30 PSI on 1/2" end
- Replace by G : 0 to 120 PSI on 1/2" end - 0 to 30 PSI on 1/4" end
- Replace by H : 0 to 80 PSI on 1/4" end - 0 to 30 PSI on 1/2" end
- Replace by J : 0 to 80 PSI on 1/2" end - 0 to 30 PSI on 1/4" end

### Dimensions

Dimensions shown are metric (mm)
Non plug-in sandwich pressure regulator with air pilot adjust

**OPERATIONAL BENEFITS**
1. Easy mounting: saves on installation costs in comparison with inline regulators.
2. Allows to have compact, all-included units.
3. Large orifice provides high flow.
4. Various functions available.
5. Simple, reliable and solid design.

**Pressure regulators**

**Series PRA1A**

**INTERNAL PILOT**

<table>
<thead>
<tr>
<th>Gage</th>
<th>Single pressure Regulator 14 and Same regulated pressure to ports 2 and 4</th>
<th>Single pressure Regulator 12 and Same regulated pressure to ports 2 and 4</th>
<th>Dual pressure Regulator 14 and Regulated pressure to port 4</th>
<th>Dual pressure Regulator 12 and Regulated pressure to port 2</th>
<th>Dual pressure Dual regulator Two regulated pressures to ports 2 and 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>No gage</td>
<td>PRA1A-DAAA</td>
<td>PRA1A-DCAA</td>
<td>PRA1A-DBAA</td>
<td>PRA1A-DDAA</td>
<td>PRA1A-DEAA</td>
</tr>
<tr>
<td>Gage perpendicular to regulator(s)</td>
<td>PRA1A-DABA</td>
<td>PRA1A-DCBA</td>
<td>PRA1A-DBBA</td>
<td>PRA1A-DDBA</td>
<td>PRA1A-DECA</td>
</tr>
<tr>
<td>Gage parallel to regulator(s)</td>
<td>PRA1A-DADA</td>
<td>PRA1A-DCDA</td>
<td>PRA1A-DBDA</td>
<td>PRA1A-DDDA</td>
<td>PRA1A-DEEA</td>
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</tbody>
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**EXTERNAL PILOT AND REMOTE AIR**

<table>
<thead>
<tr>
<th>Gage</th>
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<th>Single pressure Regulator 12 and Same regulated pressure to ports 2 and 4</th>
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<th>Dual pressure Regulator 12 and Regulated pressure to port 2</th>
<th>Dual pressure Dual regulator Two regulated pressures to ports 2 and 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>No gage</td>
<td>PRA1A-EAAA</td>
<td>PRA1A-ECAA</td>
<td>PRA1A-EBAA</td>
<td>PRA1A-EDAA</td>
<td>PRA1A-EEAA</td>
</tr>
<tr>
<td>Gage perpendicular to regulator(s)</td>
<td>PRA1A-EABA</td>
<td>PRA1A-ECBA</td>
<td>PRA1A-EBBA</td>
<td>PRA1A-EDBA</td>
<td>PRA1A-EECA</td>
</tr>
<tr>
<td>Gage parallel to regulator(s)</td>
<td>PRA1A-EADA</td>
<td>PRA1A-ECDA</td>
<td>PRA1A-EBDA</td>
<td>PRA1A-EDDA</td>
<td>PRA1A-EEEA</td>
</tr>
</tbody>
</table>

* - To be used with dual pressure valves.

Main valve body assembly must be external pilot model. Pilots are supplied internally from primary pressure in regulator block. Cannot field convert regulator block from Single Pressure to dual pressure. Body/Block to base mounting screw #35336.

**HOW TO ORDER**

**PR37A**
**PR42B**
**PR46A**
**PR47A**
**PR48B**
**PR92C**
**PR93A**
**PRA01A**
**PRA02A**
**PRA1A**
**PRP1A**
**PRA2D**
**PRP2B**
**PRA3C**
**PRP3B**

Consult “Precautions” page 327 before use, installation or service of MAC Valves.
**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>Fluid</td>
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<tr>
<td>Pressure range</td>
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<tr>
<td>Lubrication</td>
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<td></td>
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</tr>
<tr>
<td>Filtration</td>
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</tr>
<tr>
<td>Temperature range</td>
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</tr>
<tr>
<td>Flow</td>
<td>1.0 Cv</td>
</tr>
</tbody>
</table>

**Spare parts**

- Pressure regulator (less sandwich block) : PRA1A-F0AA.
- Gage : N-82016-01 (0-120 PSI perpendicular)
- N-82016-02 (0-120 PSI parallel)

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**DIMENSIONS**

Dimensions shown are metric (mm)

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Consult "Precautions" page 327 before use, installation or service of MAC Valves.