ACTUATOR ONLY – PART NUMBERS, WEIGHTS AND AIR PRESSURE REQUIREMENTS

<table>
<thead>
<tr>
<th>Valve Size NPT or BSP</th>
<th>Actuator Type</th>
<th>Actuator Type</th>
<th>Part Weight</th>
<th>Pressure Requirement</th>
<th>Maximum Pressure @ 75°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL 1 1/4&quot;, 1 1/2&quot;, &amp; 2&quot; BALL VALVES</td>
<td>Air x Air with Manual Override ABRA</td>
<td>1.5</td>
<td>0.7</td>
<td>30 - 50 PSI</td>
<td>2.1 - 3.5 BAR</td>
</tr>
<tr>
<td></td>
<td>Air x Spring without Manual Override ABRS</td>
<td>2.5</td>
<td>1.1</td>
<td>60 - 80 PSI</td>
<td>4.1 - 5.5 BAR</td>
</tr>
<tr>
<td></td>
<td>Air x Spring with Manual Override ABMS</td>
<td>3.5</td>
<td>1.6</td>
<td>60 - 80 PSI</td>
<td>4.1 - 5.5 BAR</td>
</tr>
</tbody>
</table>

Maximum Ambient Temperature 120°F (49°C) ABRS/ABMS shipped “normally-closed”. They can be ordered “normally-open”.

Features:
- All plastic construction ideal for corrosive atmosphere.
- Manual override standard on ABRA & ABMS.
- Easy field attachment to ball valve.
- Long cycle life – extensively tested & proven.
- ABRS and ABMS can be converted between normally-closed and normally-open.
- Lightweight assembly - less piping stress and lower shipping weight.
- Can be hydraulically actuated.

Each valve and actuator is 100% individually inspected and tested prior to shipment.

Installation:
The ABRA requires a 4-way air solenoid valve (Part # 8345G1); and ABRS and ABMS require a 3-way air solenoid valve (Part # 8320G13) to control actuation. Compressed air should be filtered and lubricated. The hex nuts used to mount the actuator are tapped to facilitate piping support.

Manual Override:
Series ABRA has direct override to the ball valve shaft. Series ABRS has no manual override. Series ABMS is a spring-return model with direct override to the ball valve shaft.

Materials of Construction:
Actuator is constructed of corrosion resistant thermoplastics. Seals are Buna-N. For optional materials, please consult factory.

Part Numbers to order Air x Air Actuator with Valve:
For 1 1/4" pipe size the part # is ABRA125...; 1 1/2" is ABRA150...; 2" is ABRA200...; to complete the part numbers refer to the “Order Information” section on page 5, Manual Ball Valves. The letters MBV are simply replaced by ABRA (Air x Air), ABRS (Air x Spring) or ABMS (Air x Spring with manual override) as indicated.

PLAST-O-MATIC VALVES, INC.
1384 Pompton Ave., Cedar Grove, NJ 07009 • (973) 256-3000 • Fax (973) 256-4745 • www.plastomatic.com • info@plastomatic.com