A·80 DELTA are quarter valves designed for being connected to water pipe systems. They are valves with a basic finish.

They are used to shut off individually water supply to basins, sinks and other different water supply points to proceed to their repairing or replacement.

A·80 DELTA are 1/4 quarter turn valves.

### Components

<table>
<thead>
<tr>
<th>Item</th>
<th>Component</th>
<th>Material</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Seat</td>
<td>NBR</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Nut*</td>
<td>European Brass CW614N</td>
<td>Chrome plated</td>
</tr>
<tr>
<td>3</td>
<td>Bicone*</td>
<td>Polyamide</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Supporting clip</td>
<td>POM</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Screw</td>
<td>Stainless steel</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Handle</td>
<td>ABS</td>
<td>Chrome plated</td>
</tr>
<tr>
<td>7</td>
<td>O-rings</td>
<td>NBR</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Stem</td>
<td>POM</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Body</td>
<td>European Brass CW617N</td>
<td>Chrome plated</td>
</tr>
<tr>
<td>10</td>
<td>Rosette</td>
<td>Stainless steel AISI 430</td>
<td>Chrome plated</td>
</tr>
</tbody>
</table>

* According to model

### Service Conditions

- Nominal pressure: 16 bar
- Test pressure: 25 bar
- Temperature range: Cold and hot water until 95ºC
- Fluid: Drinking water and domestic hot water

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**WATER SERIES**

**Nominal pressure:** 16 bar

**Test pressure:** 25 bar

**Temperature range:** Cold and hot water until 95ºC

**Fluid:** Drinking water and domestic hot water
MAIN CONSTRUCTIVE FEATURES

STEM

Stem and ball are manufactured in one piece POM, which increases its resistance and performance.

This original component from ARCO has been designed to reduce loss of pressure and attenuate the sound pressure, increasing the comfort of the water facilities...

Internal leak tightness

The supporting clip made of POM is placed in the valve to push the NBR seat against the stem-ball.

This system cannot be dismantled, avoiding improper manipulations.

External leak tightness

A pair of NBR o-rings placed on the stem assure external leak tightness. This double joint system guarantees safety against external leakage, use, ageing...

KNURLED THREADS

A-80 valves have the classic knurled system from ARCO on the thread to facilitate the installation. It makes easier the application of Teflon, espar to grass... to the thread, avoiding sliding of these elements during its application.
DIMENSIONS

A 80 DELTA

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2 x 3/8</td>
<td>75</td>
<td>43</td>
<td>G1/2</td>
<td>G3/8</td>
</tr>
<tr>
<td>1/2 x 1/2</td>
<td>75</td>
<td>43</td>
<td>G1/2</td>
<td>G1/2</td>
</tr>
</tbody>
</table>

G Thread ISO 228

A 80 DELTA - with nut

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2 x 3/8 x 10</td>
<td>75</td>
<td>43</td>
<td>G1/2</td>
<td>12</td>
<td>10</td>
</tr>
</tbody>
</table>

G Thread ISO 228
HYDRAULIC FEATURES

Hydraulic characteristics obtained according to norm EN 1267.

INSTALATION AND ASSEMBLY

The installation of valves must be done with the right tool, mostly with 15 spanner.

The tool should be adjusted to the flat sides of the body of the valve, avoiding the deformation of the zone by high pressure of the tool.

Components of the valve must not be altered. The substitution or dismantling of the handle can cause external leaks.

All quarter turn handle valves should work totally open.

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Every product has an impact on the environment during all stages of its life-cycle, including final disposal. All components of these valves can be recycled, deposit the valve in a green or recycled point when no longer useful.

Válvulas ARCO, SL reserves the right to change our products and specifications at any time and without prior notice.