SINGLE AIR INLET (Body option U)
Air actuated atomizers can be supplied with a single air inlet for both the atomizing process and the air cylinder, which allows to operate a line of atomizers with only one air line and avoids air waste during the dead cycle times when atomizing is stopped.
With this layout the liquid inside the set-up, at shut-off time, will be atomized with a low air/liquid ratio and large drops may be produced: this option may be used for long dead times in atomizing cycles when some large droplet may be tolerated and it is necessary to limit system investment cost.
Minimum working pressure 2 bar.

AUTOMATIC WITH LOCKING-NEEDLE SCREW
MX series atomizers can be automatic with a locking-needle screw. The utility consists in being able to manually close the needle, blocking the operation independently from the pressure of the driving air. This option is used to temporarily block one or more atomizers of a line without disturbing the working of the others.

SPECIAL MATERIALS AND COATINGS
Our engineering office is available to design, test and produce bodies, set-ups and complete systems according to the customer requirements.
Special parts, bodies and systems which suit specific customer needs can be arranged under confidentiality agreements, supplied exclusively and not advertised.

SPECIAL DESIGN
Our engineering office is available to design, test and produce bodies, set-ups and complete systems according to the customer requirements. Special parts, bodies and systems which suit specific customer needs can be arranged under confidentiality agreements, supplied exclusively and not advertised.

ATOMIZER WALL MOUNTING
It is often convenient to mount atomizers through the wall of a tank or a duct for air treatment, keeping the atomizers and the feed lines on the outside for ease of maintenance. The following parts can serve this purpose for both MW standard atomizers and MX air actuated ones.

WALLS THICKER THAN 10 MM
A nipple XMW 0021 xx with an outer tapered thread 3/4" BSPT is recommended, with a corresponding passage in the wall threaded 3/4" straight thread.

WALLS THINNER THAN 10 MM
For thin walls it is recommended to use a XMW 0020 xx nipple with a 3/4" straight thread, secured through the locknut VAC 0076 xx and the VDA 26A1 P7 seal. The above three parts can be ordered together with the assembly code XMW 0025 xx. A simple hole with 27 mm diameter is required into the wall.

Materials
- Nipple, Locknut: B1 AISI 303 stainless steel
- T6 Nickel plated brass
- Seal: P7 Oil proof seal material
- XMW 0025 xx
- XMW 0020 xx
- VDA 26A1 P7
- VAC 0076 xx
OPTIONS AND ACCESSORIES

PRESSURE TANKS

These tanks make it possible to produce atomized sprays in places where a liquid supply under pressure is not available. These tanks, once filled with the required liquid quantity, are put under pressure with the aid of compressed air and are then ready to serve as a source of liquid under pressure. Completely built out of high quality stainless steel, UMR tanks have the upper and bottom part protected by a rubber lining and are supplied complete of an air tight cover, pressure safety valve and, if required, quick connection nipples. The product codes in the following table are given for tanks with cover only, and for tanks with cover and connection nipples. The maximum operation pressure is given for each type, according to PED norms, from a self-sticking label, see LP value in the table.

Materials

<table>
<thead>
<tr>
<th>Code</th>
<th>Cover only</th>
<th>Cover and nipples</th>
<th>CA liters</th>
<th>D mm</th>
<th>H mm</th>
<th>W kg</th>
<th>LP bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>UMR 0090 B2</td>
<td>UMR C090 B2</td>
<td></td>
<td>9</td>
<td>232</td>
<td>340</td>
<td>3,7</td>
<td>4,9</td>
</tr>
<tr>
<td>UMR 0190 B2</td>
<td>UMR C190 B2</td>
<td></td>
<td>18</td>
<td>219</td>
<td>630</td>
<td>4,3</td>
<td>4,9</td>
</tr>
</tbody>
</table>

When a source of liquid under pressure is available, as in the case of a UMR tank, several applications become possible as for example the atomizing cart shown in the picture beside. These carts are designed on specific requirements and are usually fitted with regulation valves to obtain the desired spray characteristics and electronic control. Often used to disinfect single rooms in hospitals, the cart can be programmed to spray for a given time, and to start spraying with a delay which allows the personnel to leave the room before spraying starts.

The components in the following list can be ordered as single spare parts by means of their product code. Please note that both connection kit, air and liquid, can only be supplied as a complete assembly, it is not possible to supply single components.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XUM R040 B2</td>
<td>Cover complete</td>
</tr>
<tr>
<td>XUM R100 E31</td>
<td>Air connection kit</td>
</tr>
<tr>
<td>XUM R110 E31</td>
<td>Liquid connection kit</td>
</tr>
</tbody>
</table>