

OPTIONS AND ACCESSORIES

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 liquid nozzle 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.

SPECIAL MATERIALS AND COATINGS

Tungsten carbide air nozzles, air and liquid nozzles with special high technology coatings may be produced to solve problems related to excessive wear from liquids carrying solid particles or build-up of solid deposits or lime inside the atomizer.

Those include Teflon coatings and extra-hard linings.

SPECIAL DESIGNS

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.

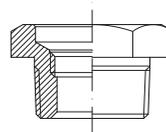
Walls thinner than 10 mm

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 0075 P7 seal.

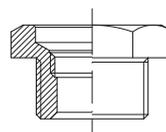
The above three parts can be ordered together with the assembly code XMW 0025 xx.

A simple hole with 27 mm diameter is required into the wall.

Materials	Nipple, locknut	B1 AISI 303 stainless steel
		T8 Nickel plated brass
	Seal	P7 Oil proof seal material



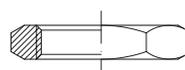
XMW 0021 xx



XMW 0020 xx



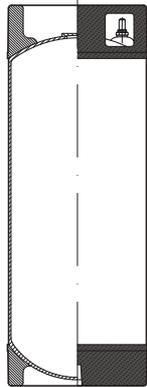
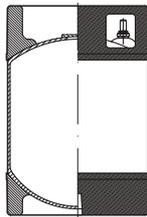
VDA 0075 P7



VDA 0076 xx

OPTIONS AND ACCESSORIES

UMR



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, 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	Body	B2	AISI 304 Stainless steel
	Coating	E8	Synthetic rubber

Code	Cover and nipples	CA liters	D mm	H mm	W kg	LP bar
UMR 0090 B2	UMR C090 B2	9	232	340	3,7	4,0
UMR 0190 B2	UMR C190 B2	19	219	630	4,3	2,5



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.

CE Marking

UMR pressure tanks respect the requirements of the european PED norms

The components in the following list can be ordered as single spare parts by means of their product code.

XUM 0052 B2	Cover complete
XUM L090 B2	Liquid connection nipple
XUM A090 B2	Air connection nipple

Please note that both connection nipples, air and liquid, can only be supplied as a complete assembly, it is not possible to supply single parts.