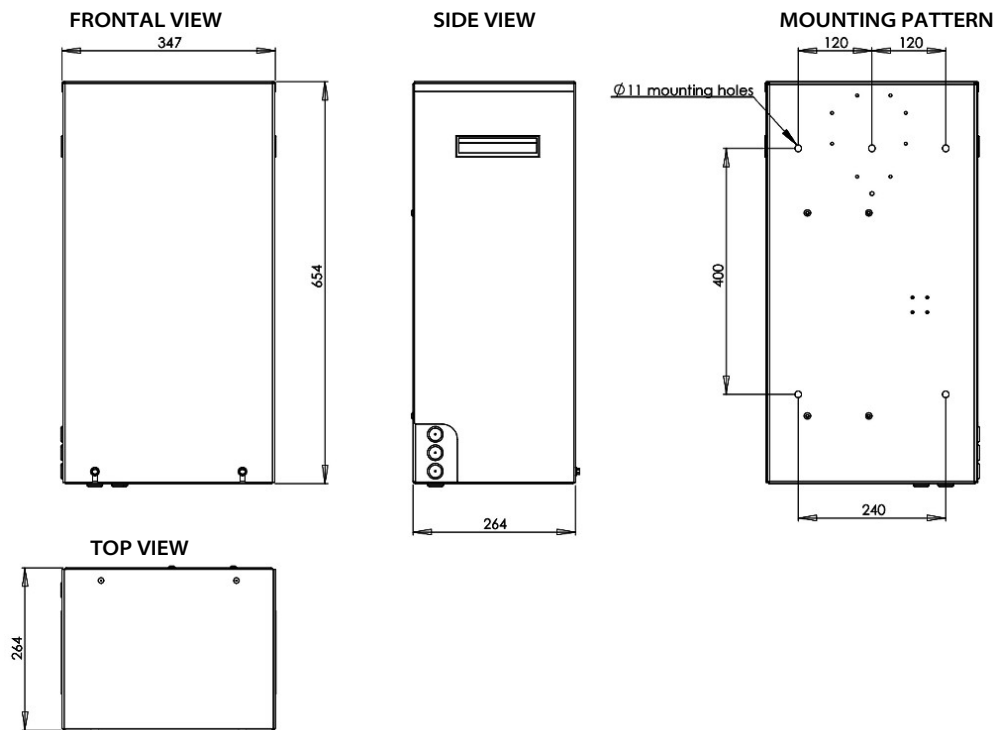


DIMENSIONS



Preserve this manual and the attached Electrovalve "Operating Instructions" as a reference for future needs.

	<p>Used electrical, electronic and stainless steel products should not be mixed with general waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/95/EC and 2002/96/EC. By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. For more information about collection and recycling of old products, please contact your local municipality or your waste disposal service. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.</p>
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The manufacturer is not to be held responsible for any damage resulting from failure to observe the installation standards and the instructions contained in the present manual.

The descriptions and illustrations contained in the present manual are not binding. The manufacturer reserves the right to make any alterations deemed appropriate for the technical, manufacturing and commercial improvement of the product, while leaving the essential product features unchanged, at any time and without undertaking to update the present publication.

The manufacturer declines all responsibility for any consequences resulting from improper use of the product, or use which is different from that expected and specified in the present documents.

Check carefully the attached Electrovalve "Operating Instructions": in case of doubt, refer to this document.

Dimensions in millimetres – Design and product specifications subject to change without notice

TECNOVIDEO S.r.l.

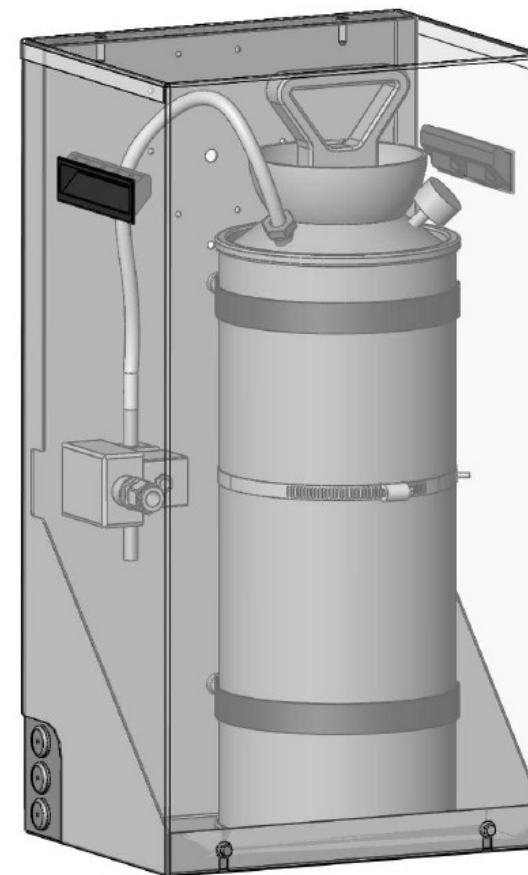
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WP10EX

Pressurized Washer System with integral solenoid valve



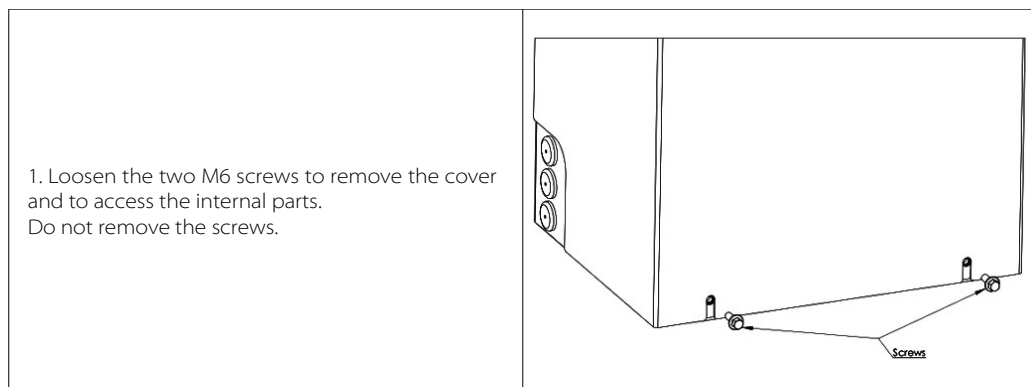
Installation manual

DESCRIPTION

The stainless steel **Pressurized Washer System with integral solenoid valve** has been developed to be used with CCTV cameras in industrial, marine and highly corrosive environments. The washer system supplied pairs preferably with Tecnovideo camera housings or alternatively with housings which haven't washer facility. The fluid tank is a 10 litre manually pressurized unit with built in pressure gauge. Solenoid's control voltage to be connected to the solenoid's terminal box through suitable power cables.

INSTALLING THE TANK

	Prior to installation and operation, read carefully this manual of instructions.
	Make sure that the place where the cabinet will be installed can support the unit in normal operating conditions. Make sure the installation is secure (it must be assured at least the support of 3 times its weight when full).
	Keep the unit empty until the end of the installation.
	Stainless steel reservoir: keep the O-rings, the safety valve and the internal of the tank clean. When opening/closing the reservoir, pay attention to the correct placement of the O-rings in their seatings.
	Before performing any operation, turn off the power. Only qualified personnel can perform electrical operations according the regulations in force.
	A device must be installed for isolating the appliance from the power supply with a opening distance between the contacts at least of 3 mm). A suitable blow fuse must be installed for protection. Check the valve label for the correct current needed.
	For connection to the mains, use a multipolar cable having minimum 3x0,75 mm ² (18 AWG). The main cable must be at least protected by an ordinary PVC sheath.
	Fasten all the cables inside the unit with cables ties or other fixing means to avoid the electrical contact with surrounding parts in case that terminal blocks screw off.



<p>2. Perform the electrical connection by connecting the solenoid valve either with a telemetry or a proper switching system. Check the valve label for the correct supply voltage. Be sure to properly connect the ground to every marked point.</p>	
<p>3. The electrical scheme of the valve is as it follows: - Neutral on Pin 1; - Line on Pin 2 (a fuse between Line and Pin 2 is needed); - GND on Pin 3.</p>	
<p>3. There are 5 fairleads placed 2 at the bottom and 3 on the side of the frame. Push the cable and the water hose to enter the cabinet.</p>	
<p>4. Filling the tank. Pull the safety valve to assure that the pump is not under pressure. Extract the pumping element unscrewing it. Fill the tank with maximum 10 litres of liquid. Fix the pumping element, checking that the O-ring and its seating are clean. Pressurize only using the pumping element. Do not force the safety valve. Do not unscrew the closing elements if the tank is under pressure.</p>	
<p>5. Usage. Unlock the pump handle. After a few moments pull the safety valve to check that it's not blocked and that air goes out. Pump until the desired pressure is reached. Lock the handle. Maximum pressure is 4 bar. When the camera water jet weakens, it is needed to restore the internal pressure. Eventually close the cabinet.</p>	

The product is intended to be used with water. Water may freeze when working in temperatures below 0° C. If antifreeze and/or detergent additives have to be used, they must have a kindling point higher than the maximum operating temperature. Do not use liquid hotter than 60° C. Do not use solvents or flammable liquids. Use only water or water solutions: denser mixtures could obstruct the nozzle. If the solution used has residual, it must be filtered before use.