

TECNOVIDEO

CCTV SYSTEMS AND ACCESSORIES

WP10EX SERIES

EXPLOSION PROOF WASHER SYSTEM

HAZARDOUS AREA

- AISI316L STAINLESS STEEL CONSTRUCTION
- VARIOUS OPTIONS OF ATEX/IECEX SOLENOID VALVES
- 10 LITRES RESERVOIR CAPACITY
- EASY INSTALLATION AND MAINTENANCE
- COMPATIBLE WITH THIRD PARTY CAMERAS



TECHNICAL SPECIFICATIONS

GENERAL & MECHANICAL

Dimensions	See drawings next page
Operating Temperature	-20°C +60°C (-4°F +140°F)
Cabinet material	AISI316L Stainless Steel
Mounting	4 Ø11 mounting holes
Hose material	Black antistatic polyurethane, UV resistant
Solenoid valve body material	Brass (Stainless Steel version upon request)
Max operating pressure	4 bar
Maximum Delivery head	up to 30 meters with 4 bar pressure
Washing cycles	about 200-500 (depending on camera height, pressure, water level)
Weight	16kg (empty); 26kg (full)
Capacity	10 litres
Fluid outlet	10 metres hose, 4mm bore tube
Cable entries (WP10EXe)	Integral strain relief for cable with O.D. 7 to 8,5mm
Cable entries (WP10EXdT4)	½" NPT (cable gland not included)
Cable entries (WP10EXdT6)	½" NPT (cable gland not included)

ELECTRICAL

Available supply voltages	See below table
Max power consumption	See below table

MODELS

WP10EXe/24	10 Litres tank, 'Ex e' certified valve, 24VAC
WP10EXe/230	10 Litres tank, 'Ex e' certified valve, 230VAC
WP10EXdT4/24	10 Litres tank, 'Ex d T4' certified valve, 24VAC/DC
WP10EXdT4/230	10 Litres tank, 'Ex d T4' certified valve, 230VAC
WP10EXdT6/24	10 Litres tank, 'Ex d T6' certified valve, 24VAC/DC
WP10EXdT6/230	10 Litres tank, 'Ex d T6' certified valve, 230VAC

Suffix /115 is used for 115VAC models (available upon request).
All models are supplied with a AISI316L compact cabinet, 10 meters antistatic hose and water jet nozzle.

PRE-ASSEMBLED CONDUITS/CABLE TAILS

ACC201007	Mechanically robust screened power and control cable (3-cores conductors) for connection between washer system and JB. Sold by the meter.
CGK201007	Explosionproof Cable Glands kit (1x ½" NPT for washer system solenoid valve, 1x M20 for JB side) for ACC201007 cable.

ACCESSORIES

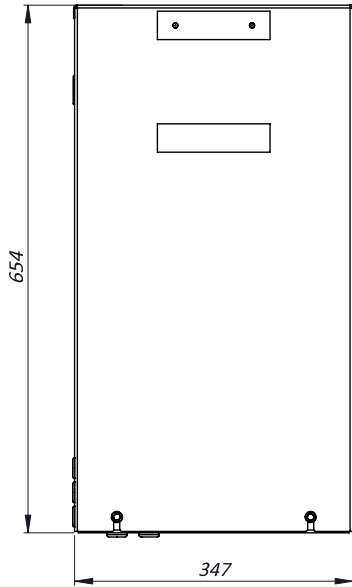
DCI-EXWP/24	Third Party cameras Interface Control, by means of dry contact auxiliary output, 24VAC
DCI-EXWP/115	Third Party cameras Interface Control, by means of dry contact auxiliary output, 115VAC
DCI-EXWP/230	Third Party cameras Interface Control, by means of dry contact auxiliary output, 230VAC
APH20EXWP	20 meters extension antistatic polyurethane hose
LPA-EXWP	Low Pressure sensor kit, to detect empty reservoir or insufficient pumping pressure. Add-on, to be installed by the client (II 2G Ex d IIC T6/T4 Gb -60°C ≤ Tamb ≤ +60/85°C, II 2D Ex tb IIIC T85/T135 Db -60°C ≤ Tamb ≤ +60/85°C)

	Ex e	Ex d T4	Ex d T6	Ex d T6 24VDC
Voltage (+/-10%)	WP10EXe/24, 24VAC WP10EXe/115, 115VAC WP10EXe/230, 230VAC	WP10EXdT4/24, 24VAC/DC WP10EXdT4/115, 115VAC WP10EXdT4/230, 230VAC	WP10EXdT6/24, 24VAC WP10EXdT6/115, 115VAC WP10EXdT6/230, 230VAC	WP10EXdT6/24D, 24VDC
Power Consumption	3.5W	5.0W	<6W	5.8W
Ingress Protection (EN 60529)	IP67	IP66/67	IP66/67	IP66/67
ATEX Standard	EN 60079-0; EN 60079-7; EN 60079-18; EN 60079-31	EN 60079-0; EN 60079-1; EN 60079-31	EN 60079-0; EN 60079-1; EN 60079-31	EN 60079-0; EN 60079-1; EN 60079-31
IECEX Standard	IEC 60079-0; IEC 60079-7; IEC 60079-18; IEC 60079-31		IEC 60079-0; IEC 60079-1; IEC 60079-31	IEC 60079-0; IEC 60079-1; IEC 60079-31
Rating	II 2G Ex e mb IIC T4 Gb (-40°C to +65°C)* II 2D Ex t IIIC T 135°C Db IP67	II 2G Ex d IIC T6/T5/T4 Gb (-40°C to +35/50/60°C)* II 2D Ex tb IIIC T80°C/T95°C/T130°C Db IP66	II 2G Ex d IIC Gb T6/T5/T4 (-60°C to +60/75/90°C)* II 2D Ex tb IIIC Db IP66/67	II 2G Ex d IIC Gb T6/T5/T4 (-60°C to +60/75/90°C)* II 2D Ex tb IIIC Db IP66/67
EMC	EN 61000-6-2; EN 61000-6-4		EN 61000-6-2; EN 61000-6-4	EN 61000-6-2; EN 61000-6-4
LVD		93/98/EEC (EN 60730)		
RoHS	2011/65/EU + 2015/863/EU (RoHS 3)	2011/65/EU + 2015/863/EU (RoHS 3)	2011/65/EU + 2015/863/EU (RoHS 3)	2011/65/EU + 2015/863/EU (RoHS 3)
WEEE	2012/19/EU	2012/19/EU	2012/19/EU	2012/19/EU

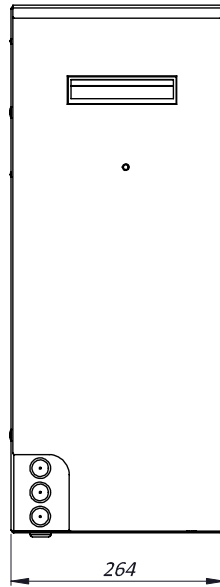
(*) Solenoid valve ambient temperature range

DIMENSIONS

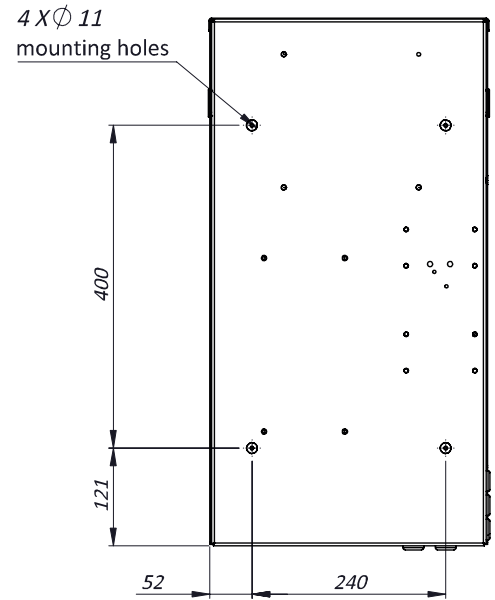
FRONT VIEW



SIDE VIEW



MOUNTING PATTERN



INTERNAL FRONT VIEW

