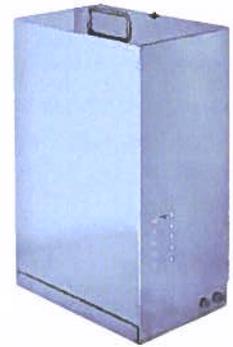


WASEX

WASHER PUMP WITH EX-PROOF SOLENOID VALVE



IP66



WASEX

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DESCRIPTION

The WASEX washer pump is an important element for effective video surveillance in hazardous areas because it guarantees sharp images in all environmental conditions and reduces the need for maintenance.

The WASEX system is designed for the MAXIMUS series and is also compatible with third-party products.

The kit includes a stainless steel 10-litre tank with certified explosion-proof solenoid valve, controlled by the telemetry of the MAXIMUS products or by a manual electrical contact.

The WASEX product is Lloyd's Register Type Approval System Test Specification Number 1 certified and therefore can be used in Marine and Offshore applications for environmental categories ENV1, ENV2, ENV3 and ENV5

CERTIFICATIONS



MAIN FEATURES

Delivery head up to 20m

Water tank capacity: 10l (2.6gal)

Suitable for MAXIMUS series or with third-party products

Power supply in 24Vac/dc, 5W max

TECHNICAL DATA

GENERAL

Enclosure made of stainless steel AISI 316L
Water delivery pipe supplied

MECHANICAL

Pressure: 4bar max
Delivery head: 20m (66ft)
Pipe material: Antistatic plastic
Water tank capacity: 10l (2.6gal)
1 hole 1/2" NPT for cable entry
Dimensions (WxHxL): 429x697x255mm (16.9x27.4x10in)
Unit weight: 18kg (40lb)

ELECTRICAL

WASEX2T4AT, WASEX2T4GOR, WASEX2T4IN

Power supply: 24Vac or 24Vdc, 50/60Hz
Consumption: 5W

WASEX2T4KC

Power supply: 24Vdc
Consumption: 10.6W

ENVIRONMENT

WASEX2T4AT, WASEX2T4GOR, WASEX2T4IN

For indoors and outdoors installation
Operating temperature of solenoid valve: From -40°C (-40°F) up to +60°C (140°F)
Operating temperature of device: depending on the solidification temperature of the liquid
Relative humidity: from 5% up to 95%

WASEX2T4KC

For indoors and outdoors installation
Operating temperature of solenoid valve: from -40°C (-40°F) up to +55°C (131°F)
Operating temperature of device: depending on the solidification temperature of the liquid
Relative humidity: from 5% up to 95%

CERTIFICATIONS - EXPLOSION-PROOF APPLICATIONS

WASEX2T4AT

EAC EX:

- 1 Ex d IIC T4 Gb X, IP66 -40°C/+60°C
- Ex tb IIIC T130°C Db X, IP66 -40°C/+60°C

Solenoid valve:

ATEX (EN 60079-0: 2012+A11: 2013, EN 60079-1: 2014, EN 60079-31: 2014)

⊕ 2 II GD Ex d IIC T6 or T5 or T4 Gb

Ex tb IIIC T80°C or 95°C or T130°C Db IP66

Tamb -40°C to +35°C or +50°C or +60°C

WASEX2T4GOR

EAC EX:

- 1 Ex d IIC T4 Gb X, IP66 -40°C/+60°C
- Ex tb IIIC T130°C Db X, IP66 -40°C/+60°C

Solenoid valve:

EAC EX:

- 1 Ex d IIC T4 Gb X
- Ex tb IIIC T130°C Db X, IP66 -40°C/+60°C

WASEX2T4IN

EAC EX:

- 1 Ex d IIC T4 Gb X, IP66 -40°C/+60°C
- Ex tb IIIC T130°C Db X, IP66 -40°C/+60°C

Solenoid valve:

INMETRO

- Ex d IIC T4 Gb IP66
- Ex tb IIIC T135°C Db IP66
- Tamb -40/+60°C

WASEX2T4KC

Solenoid valve:

ATEX (EN60079-0, EN60079-1, EN60079-31)

⊕ 2 II GD Ex db mb IIC T4 Gb

Ex mb tb IIIC T135°C Db

Ta=-40°C to +55°C

IECEx (IEC 60079-0, IEC 60079-1, IEC 60079-31)

Ex db mb IIC T4 Gb

Ex mb tb IIIC T135°C Db

Ta=-40°C to +55°C

KCs (Employment and labor department 2016-54)

Ex d mb IIC T4

Ex mb tD A21 IP67 T135°C

Ta=-40°C to +55°C

CERTIFICATIONS - MARINE APPLICATIONS

Lloyd's Register Marine Type Approval certification:

- Test Specification Number 1 (ENV1, ENV2, ENV3, ENV5)

Electromagnetic compatibility: EN60945

Salty fog resistance: EN60068-2-52

Tested at 70°C (158°F) for 16 hours in compliance with EN60068-2-2

PART NUMBER	
WASEX2T4AT	Tank 10l (2.6gal) with integrated manual pump controlled by ATEX certified solenoid valve, delivery head up to 20m (66ft) max, IN 24Vac/Vdc
WASEX2T4GOR	Tank 10l (2.6gal) with integrated manual pump controlled by EAC EX certified solenoid valve, delivery head up to 20m (66ft) max, IN 24Vac/Vdc
WASEX2T4IN	Tank 10l (2.6gal) with integrated manual pump controlled by INMETRO certified solenoid valve, delivery head up to 20m (66ft) max, IN 24Vac/Vdc
WASEX2T4KC	Tank 10l (2.6gal) with integrated manual pump controlled by KCs certified solenoid valve, delivery head up to 20m (66ft) max, IN 24Vdc

ACCESSORIES	
MBX1MAA	Explosion-proof communication box in stainless steel, 230Vac
MBX2MAA	Explosion-proof communication box in stainless steel, 24Vac
MBX3MAA	Explosion-proof communication box in stainless steel, 120Vac
MBA155A	Explosion-proof communication box in aluminium, 230Vac
MBA255A	Explosion-proof communication box in aluminium, 24Vac
MBA355A	Explosion-proof communication box in aluminium, 120Vac
OCTEX1/2C	Cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEx-ATEX-EAC Ex
OCTEXS1/2C	Cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEx-ATEX-EAC Ex
OCTEXB1/2C	Barrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEx-ATEX-EAC Ex
OCTEXB1/2P	Barrier cable gland in nickel-plated brass EX 1/2" NPT, unarmoured cable IECEx-ATEX-EAC Ex
OCTEXBA1/2P	Barrier cable gland in nickel-plated brass EX 1/2" NPT, armoured cable IECEx-ATEX-EAC Ex
OCTEXA1/2C	Cable gland in nickel-plated brass EX 1/2" NPT armoured cable IECEx-ATEX-EAC Ex

For further details about cable glands part numbers, please refer to the relevant table.

SPARE PARTS	
OWEXELE24	Solenoid valve 24Vac/dc, ATEX certified
OWEXELE24GOR	Solenoid valve 24Vac/dc, EAC Ex certified
OWEXELE24INM	Solenoid valve 24Vac/dc, INMETRO certified
OWEXTANK	Pump in stainless steel, 10l (2.6gal)
OWEXTUB	Water pipe, 20m (66ft)

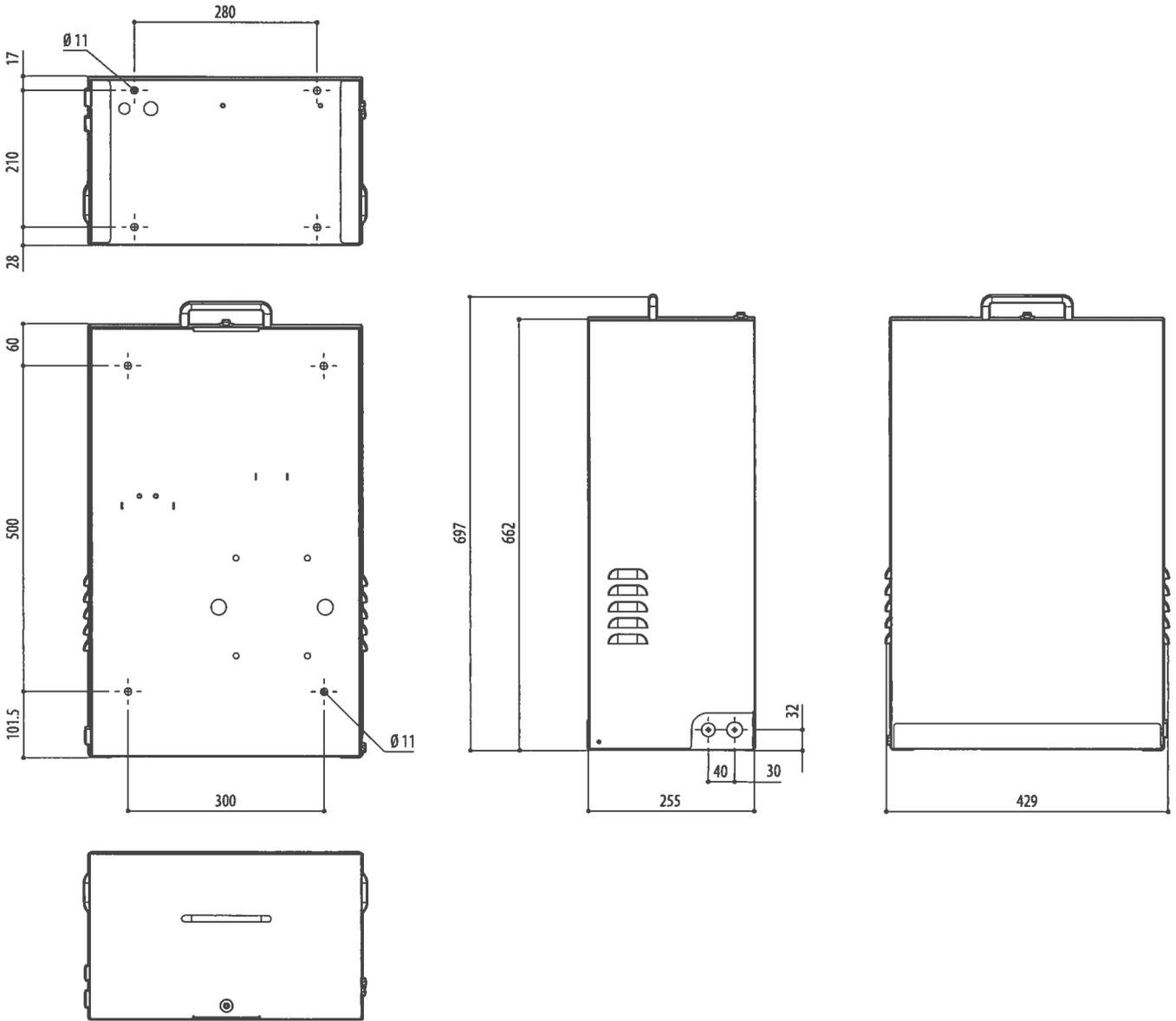
BRACKETS AND ADAPTORS	
NXCOL	AISI 316L stainless steel pole adapter module
NXCW	AISI 316L stainless steel corner adapter module

PACKAGE			
Model Number	Weight	Dimensions (WxHxL)	Master carton
WASEX2T4AT	20.3kg (44.7lb)	30x74x46cm (11.8x29.1x18.1in)	-

CABLE GLANDS AND ACCESSORIES 1/2" NPT						
Type	Certification	Operating temperature	Cable	Model Number	Diameter of the external cable	Under armor cable diameter
Barrier cable gland	IECEX/ATEX/EAC Ex	-60°C / +80°C (-76°F / +176°F)	Unarmoured cable	OCTEXB1/2C	3.0 - 8.0mm (0.12-0.31in)	-
			Unarmoured cable	OCTEXB1/2P	12.5 - 14.0mm (0.5-0.55in)	-
			Armoured cable	OCTEXBA1/2P	15.5 - 21.1mm (0.61-0.83in)	-
Cable gland with gasket	IECEX/ATEX/EAC Ex	-60°C / +100°C (-76°F / +212°F)	Unarmoured cable	OCTEX1/2C	3.2 - 8.0mm (0.12-0.31in)	-
			Unarmoured cable	OCTEXS1/2C	6.5 - 11.9mm (0.26 - 0.47in)	-
			Armoured cable	OCTEXA1/2C	12.5 - 20.5mm (0.49 - 0.8in)	10 - 14.3mm (0.4 - 0.56in)
Plug EX 1/2"NPT	IECEX/ATEX/EAC Ex	-100°C (-148°F) / +400°C (752°F)	-	OEXPLUG1/2P	-	-

TECHNICAL DRAWINGS

The indicated measurements are expressed in millimetres.



WASEX