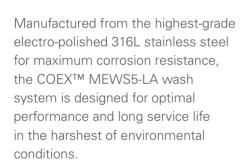
COEX™ MEWS Safe-Area Wash System MEWS5-LA

The COEX[™] MEWS5-LA wash system is developed specifically for marine and safe-area applications. The wash system allows remote pressure jet washing of the camera station window and low fluid level monitoring, maintaining optimum viewing conditions in the harshest of environments.





Designed for operation in marine and safe-area environments, the MEWS5-LA is the perfect choice to maintain optimum image clarity and performance for C2000 safe-area camera stations.

Comprised of a 10 liter pressurised reservoir and electronically operated solenoid value, the unit can be installed up to 20 meters below the camera head, allowing servicing and remote operation of the reservoir at ground / deck level. When installed alongside C2000 safe-area camera stations, the water jet is ejected from a spray nozzle mounted on the window wiper arm to ensure uniform window cleaning.

For convenience, the unit also contains a pressure sensor providing a low fluid level warning output that can be used to signal to a controlling video management system when the wash unit requires refilling.

Various solenoid valve options are available to match the desired power requirements, extending the flexibility for the wash unit to be used with third-party camera stations.

Features

• Electro-polished 316L stainless steel enclosure for optimum corrosion resistance

- 10 liter removable stainless steel reservoir can provide up to 500 wash cycles between refills
- Enclosed system ensures high performance in all climates
- Suitable for antifreeze and detergent additives*1
- Designed for maintenance access at ground / deck level
- Low pressure/fluid level warning
 output

Options

- Wide range of operating voltages
- 10 meter wash hose extension kit
- Alternative solenoid plug offering M20 or NPT ½" gland/conduit entry



Specifications

Operating Temperature'?[Refer to valve options table]Ingress ProtectionIP66 (solenoid valve), IP56 (main enclosure), IP67/NEMA 6 (switch), IP66/67 (JB)Salt MistIEC60068-2-52, IEC60945 section 8.12Vibration0.7g to IEC60068-2-6, IEC60945Wind LoadingOperational to 130 km/h, survival to 200 km/h MECHANICAL Enclosure MaterialEnclosure PaintAvailable on requestMounting3 or 4 × 0 8 mm (Ø 0.31 ") holesReservoir TypeStainless steel, manually pressurizedReservoir Capacity10 liters (2.2 gallons)Working Pressure6 bar maximumValve Seal MaterialPA covered epoxyValve Seal MaterialNBRFluid Outlet1/4" bore, 10 m hoseFlow Rate> 0.5 liters per minuteDimensions (W x D x H)346 x 251 x 660 mm (13.62" x 9.88" x 25.59")Weight Full26.9 kg / 57.3 lbs	CERTIFICATIONS / RATINGS					
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Fluid Outlet1/4" bore, 10 m hoseFlow Rate> 0.5 liters per minuteDimensions (W x D x H)346 x 251 x 650 mm (13.62" x 9.88" x 25.59")Weight Empty16.9 kg / 37.3 lbsWeight Full26.9 kg / 59.4 lbsIOW LEVEL SWITCHMaterial316L stainless steelRatingSPDT 3A @ 125 Vac, 2A @ 30 Vdc (normally open / closed)Diaphragm316 stainless steel < 200psi	Valve Material	PA covered epoxy				
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Diaphragm 316 stainless steel < 200psi		316L stainless steel				
Diaphragm 316 stainless steel < 200psi		SPDT 3A @ 125 Vac, 2A @ 30 Vdc (normally open / closed)				
	0					

ELECTRICAL	[OPTIONS]
Power Requirements*2	[Refer to valve options table]
Power Consumption	10.1 W (AC), 11.5 W (DC) maximum
Electrical Connections	5 x screw terminals for 0.75-1.5 mm ²
Cable Gland Entry	1 x M20

Model Code Ordering Information: MEWS5-LA-[Valve Code]

VALVE OPTIONS			
Voltage (V)	Frequency (Hz)	Operating Temperature* ³	Valve Code
24	DC	-25°C to +70°C	024D2
24	50	-25°C to +70°C	02452
24	50/60	-10°C to +70°C	024A1
24	50/60	-25°C to +70°C	024 A2
115	50/60	-10°C to +70°C	115A1
230	50/60	-10°C to +70°C	230A1

CAMERA STATIONS

Reference Number: 06\DS 0599 lss 2

Synectics sales@synecticsglobal.com synecticsglobal.com

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