COEX™ FEWS Hazardous-Area Wash System FEWS3-A

The COEX[™] FEWS3-A wash system is developed specifically for hazardous-area applications. The wash system allows remote pressure jet washing of the camera station window, maintaining optimum viewing conditions in the harshest of environments.

Manufactured from the highest-grade electro-polished 316L stainless steel for maximum corrosion resistance, the COEX™ FEWS3-A wash system is designed for optimal performance and long service life in the harshest of environmental conditions.

For operation in potentially explosive atmospheres, the FEWS3-A is the perfect choice to maintain optimum image clarity and performance for C3000 hazardous-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 C3000 hazardous-area camera stations, the water jet is ejected from a spray nozzle mounted on the window wiper arm to ensure uniform window cleaning.

Various ATEX/IECEx 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

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 Suitable for antifreeze and detergent additives*¹

Options

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- Wide range of operating voltages
- 10 meter wash hose extension kit



Specifications

Weight Full

ATEX/IECEXII 2 GD, Ex db IIB / IIC T4 Gb, Ex tb IIIC T135 DbEMCEN61000-64, EN61000-62DNVTAA00001M2ENVIRONMENTALCernoso0perating Temperature'2[Refer to valve options table]Ingress ProtectionIP66, IP67 (solenoid valve), IP56 (main enclosure)Salt MistIEC60068-2-52, IEC60945 section 8.12Vibration0.7g to IEC60068-2-6, IEC60945VibrationOperational to 130 km/h, survival to 200 km/hEnclosure MaterialElectro-polished 316L stainless steelEnclosure PaintAvailable on requestMounting3 or 4 x Ø 8 mm (Ø 0.31') holesReservoir Capacity10 liters (2 gallons)Vorking Pressure6 bar maximumVorking Pressure6 bar maximumVibraterial*2[Epoxy coated aluminum or 316 stainless steel]Vibraterial*2NBRFluid Outlet1/4' bore, 10 m hose	CERTIFICATIONS / RATINGS					
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Working Pressure 6 bar maximum Valve Material ¹² [Epoxy coated aluminum or 316 stainless steel] Valve Seal Material NBR	Reservoir Type	Stainless steel, manually pressurized				
Valve Material ^{*2} [Epoxy coated aluminum or 316 stainless steel] Valve Seal Material NBR	Reservoir Capacity	10 liters (2.2 gallons)				
Valve Seal Material NBR	Working Pressure	6 bar maximum				
	Valve Material*2	[Epoxy coated aluminum or 316 stainless steel]				
Fluid Outlet 1/4" bore, 10 m hose	Valve Seal Material	NBR				
	Fluid Outlet	1/4" bore, 10 m hose				
Flow Rate > 0.5 liters per minute	Flow Rate	> 0.5 liters per minute				
Dimensions (W x D x H) 346 x 251 x 650 mm (13.62" x 9.88" x 25.59")	Dimensions (W x D x H)	346 x 251 x 650 mm (13.62" x 9.88" x 25.59")				
Weight Empty17.2 kg / 38 lbs [20.2 kg / 44.6 lbs with stainless steel valve]	Weight Empty	17.2 kg / 38 lbs [20.2 kg / 44.6 lbs with stainless steel valve]				

ELECTRICAL		[OPTIONS]
Power Requirements*2	[Refer to valve options table]	
Power Consumption	10.5 W (AC), 11.2 W (DC) maximum	
Electrical Connections	3 x screw terminals for 0.75 -1.5 mm ² recommended.	
	2.5 mm² maximum.	
Cable Gland Entry	1 x M20	

27.2 kg / 60 lbs [30.2 kg / 66.6 lbs with stainless steel valve]

NOTE: *1 Ensure compatibility with valve sealing material. *2 Refer to valve options table for exact specification.

Model Code Ordering Information: FEWS3-A-[Valve Code]

VALVE OPTIONS				
Voltage (V)	Frequency (Hz)	Operating Temperature	Valve Material	Valve Code
24	DC	-20°C to +75°C	Epoxy coated aluminum	024D2
24	DC	-25°C to +75°C	Epoxy coated aluminum	024D4
24	50	-20°C to +60°C	Epoxy coated aluminum	02451
24	50	-25°C to +75°C	Epoxy coated aluminum	02453
24	60	-25°C to +75°C	Epoxy coated aluminum	02463
115	50	-20°C to +60°C	Epoxy coated aluminum	11551
115	50	-25°C to +75°C	Epoxy coated aluminum	11553
115	60	-20°C to +60°C	Epoxy coated aluminum	11561
230	50	-25°C to +75°C	Epoxy coated aluminum	23053
230	60	-25°C to +75°C	Epoxy coated aluminum	23063
24	DC	-25°C to +75°C	316 stainless steel	024D4-S
24	50	-25°C to +75°C	316 stainless steel	02453-S
24	60	-25°C to +75°C	316 stainless steel	02463-S



Reference Number: 06\DS 0592 lss 4

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