

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 valve, 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
- Suitable for antifreeze and detergent additives*¹

Options

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

Specifications

CERTIFICATIONS / RATINGS	
ATEX/IECEX	II 2 GD, Ex db IIB / IIC T4 Gb; Ex tb IIIC T135 Db
EMC	EN61000-6-4, EN61000-6-2
DNV	TAA00001M2

ENVIRONMENTAL	[OPTIONS]
Operating Temperature* ²	[Refer to valve options table]
Ingress Protection	IP66, IP67 (solenoid valve), IP56 (main enclosure)
Salt Mist	IEC60068-2-52, IEC60945 section 8.12
Vibration	0.7g to IEC60068-2-6, IEC60945
Wind Loading	Operational to 130 km/h, survival to 200 km/h

MECHANICAL	[OPTIONS]
Enclosure Material	Electro-polished 316L stainless steel
Enclosure Paint	Available on request
Mounting	3 or 4 x Ø 8 mm (Ø 0.31") holes
Reservoir Type	Stainless steel, manually pressurized
Reservoir Capacity	10 liters (2.2 gallons)
Working Pressure	6 bar maximum
Valve Material* ²	[Epoxy coated aluminum or 316 stainless steel]
Valve Seal Material	NBR
Fluid Outlet	1/4" bore, 10 m hose
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")
Weight Empty	17.2 kg / 38 lbs [20.2 kg / 44.6 lbs with stainless steel valve]
Weight Full	27.2 kg / 60 lbs [30.2 kg / 66.6 lbs with stainless steel valve]

ELECTRICAL	[OPTIONS]
Power Requirements* ²	[Refer to valve options table]
Power Consumption	10.1 W (AC), 11.5 W (DC) maximum
Electrical Connections	3 x screw terminals for 0.75-1.5 mm ²
Cable Gland Entry	1 x M20

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	

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