

APF 2.5-DC EVO >



Size 2.5
Up to 2,500 l/min
at 8 bar
Max. 16 bar
Electrical operation

The new ALCO PowerFighter APF 2.5-DC EVO is characterised by its compact design. Thanks to its reduced height, it is ideally suited for use as a roof-mounted monitor. New absolute encoder in combination with new more powerful motors raise the monitor to a new level of reliability >



APF 2.5-DC EVO,
MZV 3000/200-DC

EVO
MORE
COMPACT AND
POWERFUL!

**MORE POWER.
IMPROVED ERGONOMICS.
MANY AREAS OF USE.**

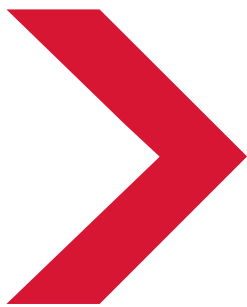


15 
YEARS



APF 2.5-DC EVO with multi-purpose nozzle MZ 2500 EVO-DC

APF 2.5-DC EVO with multi-purpose nozzle MZV 3000/200-DC and SWA 2000/3000-DC foam attachment



MORE FLOW, STRONGER DRIVES, LOW WEIGHT AND THE LOW OVERALL HEIGHT MAKE THE NEW GENERATION OF THE APF 2.5-DC EVO THE IDEAL MONITOR ON MUNICIPAL TANKER (TLF), ON ARTICULATED ARMS, HYDRAULIC PLATFORMS AND IN INDUSTRIAL PLANTS.



The emergency manual operation with handwheels is a standard feature of the APF 2.5-DC monitors.

The further developed water delivery **increases the flow rate** of the electrically driven Alco PowerFighter monitors APF 2.5-DC EVO with reduced pressure loss. In combination with the required stronger drives, the protected drive units and the new signal generators, the APF 2.5-DC EVO monitors are **significantly more powerful and robust** than their predecessors – and at the same time with a **weight reduction of 6 kg!**

APF 2.5-DC EVO monitors can deliver fire extinguishing agents such as water or foam and can be operated from the driver's cab or from a control station. This is ensured by generously designed 24V-DC electric motors with robust absolute encoders, which also enable obstacle avoidance, e.g. of lighting columns.

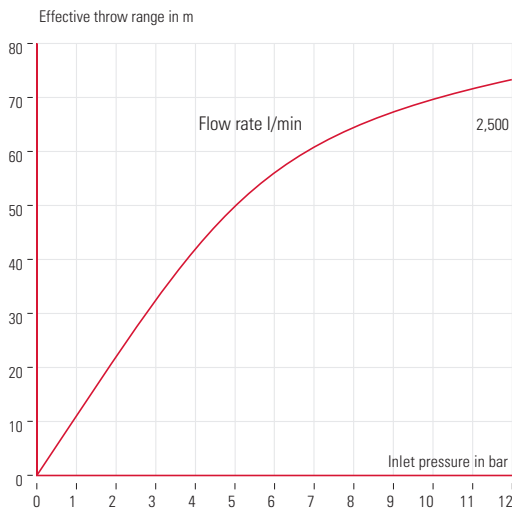
Not only the vertical swing from -90° to +90° and the rotation by up to 360° (±180°) are controlled from inside the vehicle, but also – depending on the nozzle – spray pattern and flow rate. The position of the monitor can be monitored at all times on the optional built-in display. Radio remote controls offer maximum freedom of movement*. These can be used to operate the APF 2.5-DC EVO monitors from a distance of up to 1 km.

An improved ergonomic design increases user friendliness in manual emergency operation. The emergency manual control with handwheels is naturally also a standard feature.

Like all Alco Powerfighter monitors, the APF 2.5-DC EVO monitors are resistant to ambient conditions and are resistant to corrosion and salt water.

* Accessories on the back page

THROW RANGE OF THE APF 2.5-DC EVO



All values apply in still air conditions and at a pipe work angle of approx. 25° bis 30°. Values for MZ nozzles in full jet position.

- **Low overall height – ideal as roof-mounted monitor or fixed installation in industrial plants**
- **Protected motors and gear units**
- **Continuously adjustable spray pattern change during operation**
- **Continuously adjustable flow during operation directly at the nozzle**
- **Obstacle avoidance with corresponding control**
- **Emergency manual operation**



ALCO SELECT

Products composed of **Alco Select** items only – marked with the logo Alco Select – have a fast lead time of 4-6 weeks after receiving the order.

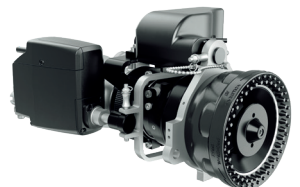
APF2.5-DC EVO BASE UNIT

Inlet	Nozzle outlet	Flow [l/min]*	Operating pressure max.	Swivel range vertical	... horizontal	Signal [mA]	Dimensions LxWxH [mm]	Weight [kg]	AWG ID no.	Alco Select
M95X2	M95x2	max. 2,500	16 bar	-75° bis +90°**	±165°	4..20	390x350x284	11.8	121 423 38	

*Given flow rates at 8 bar operating pressure. ** Depending on the nozzle

MULTI-PURPOSE NOZZLES

Multi-purpose nozzle	Inlet	Flow max/min [l/min]*	Additional functions	Signal [mA]	Dimensions LxWxH [mm]	Weight [kg]	AWG ID no.	Alco Select
MZ 2500 EVO DC	G2 1/2"	2,500	Continuous adjustment of the spray pattern	-	160x171x140	2.1	314 655 40	
MZV 3000/200-DC	G2 1/2"	3,000/200	Continuous change of the flow rate and spray pattern	4..20	332x192x225	6.4	207 973 40	



MZV 3000/200-DC

FOAM ATTACHMENTS & CONNECTIONS

	Inlet	Suitable for	Dimensions LxWxH [mm]	Weight [kg]	AWG ID no.	Alco Select
SWA EVO	-	MZ 3000 EVO, MZ 2500 EVO, MZV 2500 EVO, MZV 2000/600 EVO, MZV 1200/500 EVO foam coefficient < 15	350x139x200	0.6	314 682 99	
SWA 2000/3000-DC	-	MZ 2000-DC, MZV 2000-DC, MZV 2400-DC, MZV 3000-DC, MZV 3000-DC	564x194x155	3.0	314 395 40	
Flange DN80 PN16	M95X2	APF 2.5-DC EVO	200x45	1.5	310 036 34	
Flange DN100 PN16	M95X2	APF 2.5-DC EVO	220x48	2.0	310 027 34	
Flange ANSI 3"	M95X2	APF 2.5-DC EVO	190x45	1.5	310 313 34	



SWA EVO foam attachment





CAN CONTROLS



CAN control unit

FireCAN and CANopen provide activation of the main functions (vertical, horizontal and nozzles), the water and foam dampers as well as the oscillation.



Potential-free contacts enable activation of the riser, obstacle avoidance, lighting column contour and the pump speed (rpm+ / rpm-).

CAN control units	Communication	Dimensions LxWxH [mm]	Weight [kg]	AWG ID no.	Alco Select
Mobile C4	FireCAN, CANopen, potential-free contacts	160x195x55	3.8	023 200 00	
Mobile CS4	FireCAN, CANopen	140x94x43	0.5	023 245 00	



Operating units

OPERATING UNITS

	Functions	Dimensions LxWxH [mm]	Weight [kg]	AWG ID no.	Alco Select
Big Joystick	8 illuminated push buttons for operation of all main monitor functions	106x106x300	3.7	023 207 00	
Display with big joystick	Control of all important functions. Display with push buttons and position indicator. Push button joystick with 8 illuminated push buttons.	222x137x35 106x106x300		023 205 00	
Display with small joystick	Control of all important functions. Display with push buttons and position indicator. Small joystick with 3 push buttons.	222x137x35 60x60x146		023 201 00	
Wired remote control	With built-in display and small joystick, 10 m connection cable and carrying strap	428x170x172		023 202 00	
Wireless remote control (WRC), L	Joystick, push-buttons on front panel and side, STOP push-button, feedback signals via LED	178x262x182	2.0	023 212 XX*	
Wireless remote control (WRC), M	Joystick with pushbuttons, feedback by LED	216x112x162	1.5	023 213 XX*	
Wireless push-button remote control	Push-button on front panel, STOP push-button	210x64x182	0.4	023 214 XX*	

*The last two digits represent the country code of the country of use. Please include this in all enquiries and orders.



Wireless remote control



Electrical riser

MISCELLANEOUS ACCESSORIES

	Functions	Dimensions LxWxH [mm]	Weight [kg]	AWG ID no.	Alco Select
Electrical riser VIC 3"/ANSI 3"	Lift height 300 mm, flow max. 4,800 l/min	297x305x470	17.5	111 967 99	



15  **YEARS**

Would you like to request further information or a technical consultation? Call us!

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Simply send us your enquiry by email

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For an overview, visit our website

www.awg-fittings.com

Anyone who rescues lives and protects property day in and day out must be able to rely on their tools. Many of them opt for AWG and Alco products.

Two brands, which together offer one of the broadest ranges of premium equipment for emergency services.



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