

APF 1-DC EVO >



Size 1
Up to 1,150 l/min
at 8 bar
Max. 16 bar
Electric operation

The very compact design and the low minimum flow rate of only 100 l/min make the APF 1-DC EVO the ideal bumper monitor for wildland fire vehicles or small fire trucks >

EVO
MORE
COMPACT AND
POWERFUL!

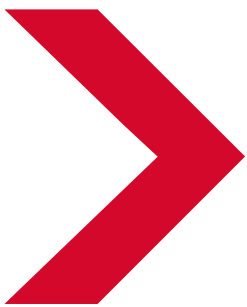
VERY LIGHT.
EXTREMELY EFFICIENT.
IDEAL BUMPER MONITOR.



15  YEARS



APF 1-DC EVO
with multi-purpose nozzle
MZV 1000/100-DC
and flange



THE VERY COMPACT DESIGN AND THE LOW MINIMUM FLOW RATE OF ONLY 100 L/MIN MAKE THE **APF 1-DC EVO** THE IDEAL **BUMPER MONITOR** FOR WILDLAND FIRE VEHICLES OR SMALL FIRE TRUCKS.

The outstanding feature of the compact Alco PowerFighter APF 1-DC EVO is its low minimum flow rate of only 100 l/min. This makes it ideal for fighting forest and vegetation fires or **for operations where only little water or low water pressure is available.** Despite this, flow guiding ribs and an optimised water guide permit large throw distances with low pressure loss.

Its very compact and extremely robust design makes the APF 1-DC EVO **the ideal bumper monitor** especially for wildland fire vehicles or smaller fire trucks.

So as not to exceed the weight limits of the new vehicle generations, the APF 1-DC EVO is **made of new aluminium alloys and composite materials.** This makes it particularly light.

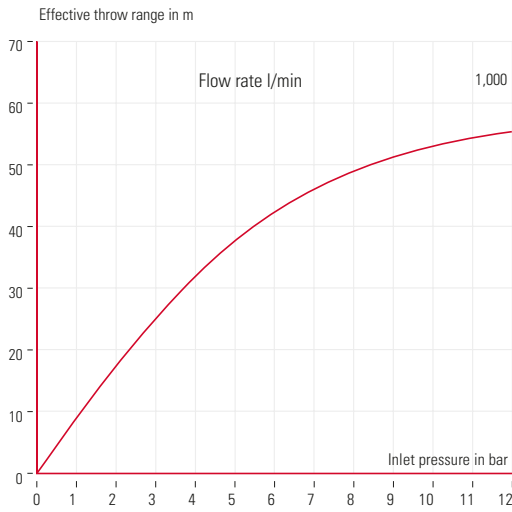
The APF 1-DC EVO monitors are equipped with an MZV nozzle adjustable in flow rate (100 - 1,000 l/min) and jet shape. This allows the application of extinguishing agents such as water or foam.

Operation and control are carried out from the driver's cab*. This is ensured by generously dimensioned 24V DC electric motors with robust absolute encoders, which also allow contour bypassing, e.g. of lamp poles (depending on the control system).

The closed motor and gearbox area makes this monitor particularly insensitive to dirt and environmental influences. As with all Alco PowerFighter monitors, emergency manual operation is integrated as standard.

* Accessories on the back page

THROW RANGE OF THE APF 1-DC EVO



- Ideal for wildland fire vehicles
- Protected engines and gearboxes
- Effective extinguishing already from a 100 l/min flow rate
- Very compact and very light
- Innovative material mix
- Continuous flow and jet shape adjustment
- Emergency manual operation

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.



ALCO SELECT

APF 1-DC EVO BASE UNIT

Inlet	Nozzle outlet	Flow rate [l/min]*	Operating pressure max.	Swivel range vertical	... horizontal	Signal [mA]	Dimensions LxWxH [mm]	Weight [kg]	AWG ID no.	Alco Select
G 2"	G 2"	1,150	16 bar	-50° to +90°	±165°	0..5	210x145x312	5.5	112 010 38	

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.

MULTI-PURPOSE NOZZLES

Multi-purpose nozzle	Inlet	Flow rate max/min [l/min]*	Additional functions	Signal [mA]	Dimensions LxWxH [mm]	Weight [kg]	AWG ID no.	Alco Select
MZV 1000/100-DC	G 2"	1,000/100	Continuous change of the flow rate and jet shape	0..10	240x169x104	3.1	208 134 40	

*Specified flow rates at 8 bar operating pressure.



MZV 1000/100-DC

CONNECTIONS

	Outlet	Suitable for	Dimensions Ø [mm]	Weight [kg]	AWG ID no.	Alco Select
Flange DN50	G 2"	APF 1-DC EVO	165	0.8	314 913 34	



247,5 mm



370 mm





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*	



Wireless remote control

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



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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