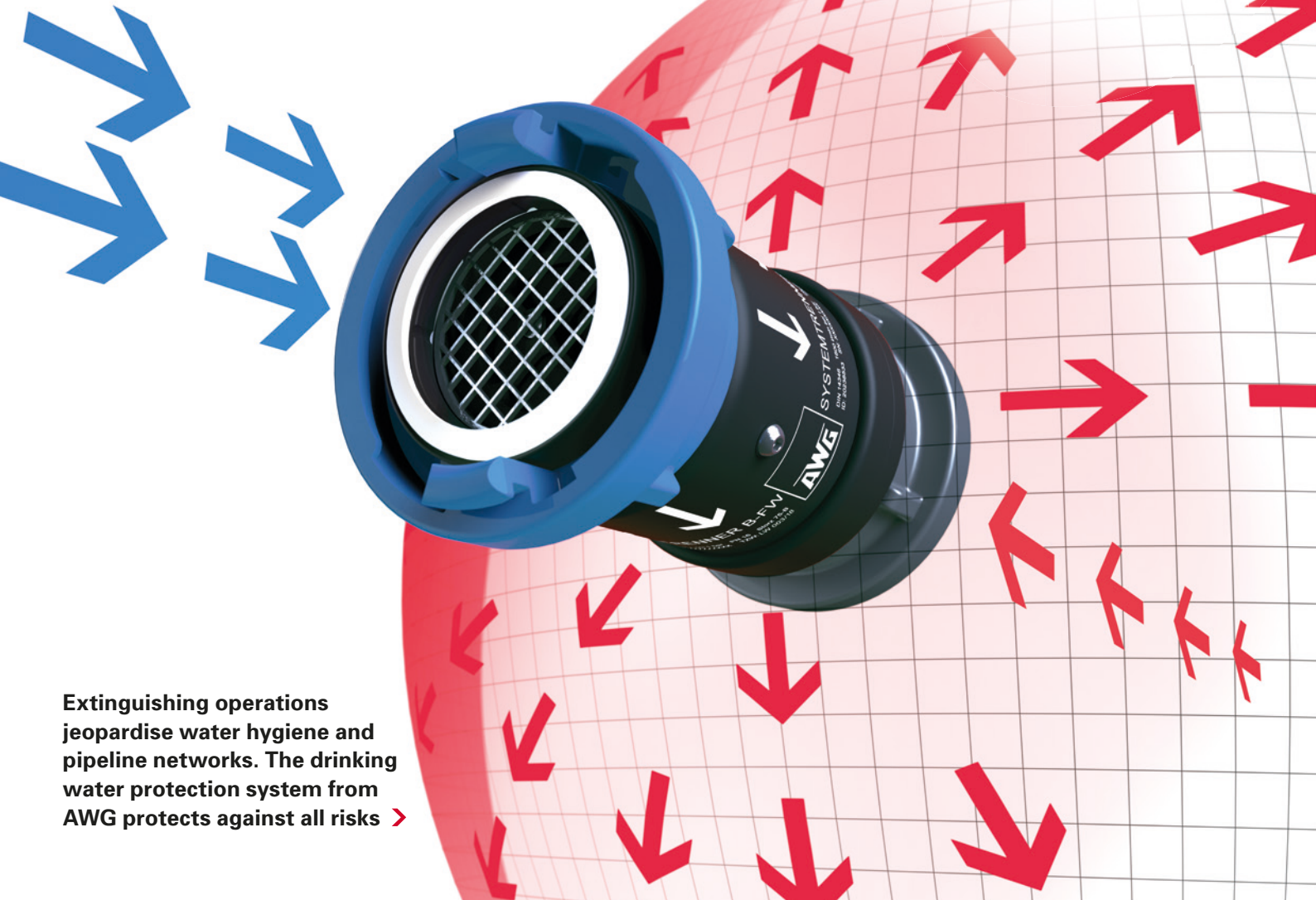


AWG DRINKING WATER PROTECTION SYSTEM >

System divider B-FW

Standpipe

Siameses



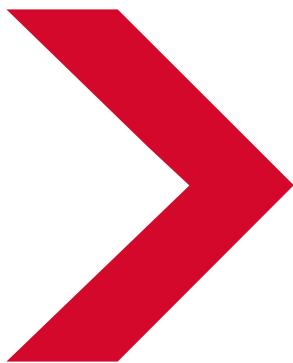
Extinguishing operations jeopardise water hygiene and pipeline networks. The drinking water protection system from AWG protects against all risks >

**THE COMPLETE PROTECTION FOR
DRINKING WATER & LINE NETWORKS.
MORE THAN JUST A SYSTEM DIVIDER**

AWG

A Unit of IDEX Corporation





DIN 14346 MEANS TIGHTENED MEASURES FOR DRINKING WATER PROTECTION FOR FIRE DEPARTMENTS. THE AWG SYSTEM DIVIDER B-FW AND THE PROVEN AWG DRINKING WATER PROTECTION SYSTEM PROTECT YOU AGAINST ALL RISKS – FAR BEYOND THE NEW REQUIREMENTS!

Why drinking water protection is so important during fire fighting operations

Contaminated drinking water poses a serious risk to the health of citizens. Repairs to damaged pipe systems are time-consuming and expensive. In some cases, fire departments may even be liable to prosecution (see Drinking Water Ordinance TrinkwV 2001/ EC Directive 83/98).

Avoid health, financial and legal consequences for yourself and the communities.

Each and every firefighting operation involves a risk for drinking water and piping systems. Failure to provide protection can result in dangerous contamination and damage. In cases in which the centrifugal fire pump and the drinking water network are working at different capacities, an overpressure can build up in the hose line for a short time when the jet pipes are closed quickly and abruptly, whereby this pressure can then be relieved by the extinguishing water being forced back into the line network.

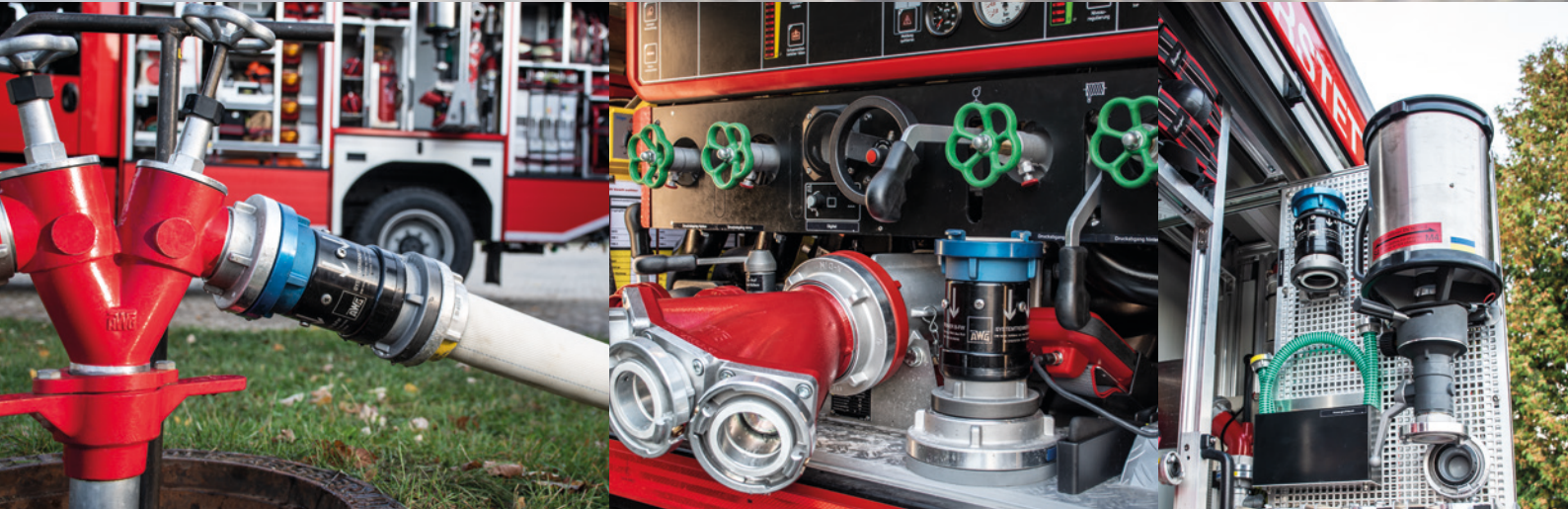
There is also a risk of backpressure when a fire truck receives water from the drinking water supply system and extinguishing water from another fire truck at the same time.

In the event that the performance of the centrifugal fire pump of the supplying fire engine exceeds that of the line network, fire water from this supply line can be forced back into the line network through a siamese with a pendulum flap.

These differences in performance can also be the root cause for the development of negative pressure in the lines. The consequence: Contaminants can be sucked into the line network even at distant drinking water tapping points if the negative pressure is transferred to the drinking water lines. The AWG system divider B-FW and the components of the AWG drinking water protection system work together optimally to provide optimum protection against contamination.




SAFE IN ACC. WITH
DIN 14346
TZW TEST NUMBER
LW 003/18





AWG SYSTEM DIVIDER B-FW: BASIC PROTECTION IN ACCORDANCE WITH DIN14346

The AWG system divider B-FW has been SPECIFICALLY developed for water extraction by the fire department.

*B stands for size B = 2.5"
FW stands for FEUERWEHR
(FIRE DEPARTMENT)*

Not every system divider available on the market complies with the new specifications of DIN standard 14346. **With the AWG system divider B-FW, you are in full compliance with DIN standard 14346** without having to purchase any additional accessories.

■ READY FOR IMMEDIATE USE

The AWG system divider B-FW closes fully automatically as soon as it detects a pressure difference. This ensures that extinguishing water is not forced or sucked into the line network and drinking water is not contaminated. The AWG system divider B-FW works perfectly even if the pressure at the standpipe is low.

Pressure relief is achieved using an outlet valve in the housing of the system divider, which discharges the water at a 90° angle to the connected hose.

■ THE SMALLEST & LIGHTEST OF ITS KIND

With its low weight of only 1.9 kg and its compact dimensions, the AWG system divider B-FW is particularly easy to handle.

You simply couple the system divider – even without a coupling key – to the outlet of the standpipe in the direction of flow. The rotating blue coupling at the inlet of the system separator helps you immediately identify the correct side. In addition, arrows on the system separator indicate the flow direction of the water.

■ MINIMUM SPACE REQUIREMENT

Grip instead of handle! Circumferential screws on the housing provide sufficient hold when carrying and coupling. A space-consuming handle is not necessary – meaning

that no unnecessary storage space is wasted in the vehicle. The AWG system divider B-FW can be stowed in any position in the vehicle.

■ REMOVABLE STRAINER FOR QUICK CLEANING

The very easily removable strainer made of corrosion-protected stainless steel protects the AWG B-FW system divider directly at the inlet against any contamination from the drinking water line. Such impurities are therefore instantly visible after each use and can be eliminated very easily.

■ EASY MAINTENANCE & TESTING WITHOUT CERTIFICATION

No certification by the manufacturer is necessary to test the AWG system divider B-FW according to DGUV principle 305-002. As the equipment maintainer, you can easily perform testing and maintenance yourself – either with the AWG test set or a standard pressure gauge – as specified in the operating instructions. The test result is documented in the AWG maintenance booklet, which you receive together with your AWG system divider B-FW.

The AWG system divider B-FW satisfies all requirements of the new DIN standard 14346. You therefore protect the drinking water network fully in line with the current specifications.

Nonetheless, we recommend combining the AWG system divider B-FW with the AWG drinking water protection system. Then and only then you are additionally protected against the high risk of line damage due to negative pressure, which is not considered in the new DIN standard 14346.



Our drinking water standpipes will also be equipped with blue couplings in the future.

Colour-coded, rotatable Storz 75 (B) coupling

Marking of the flow direction

Easy removable strainer

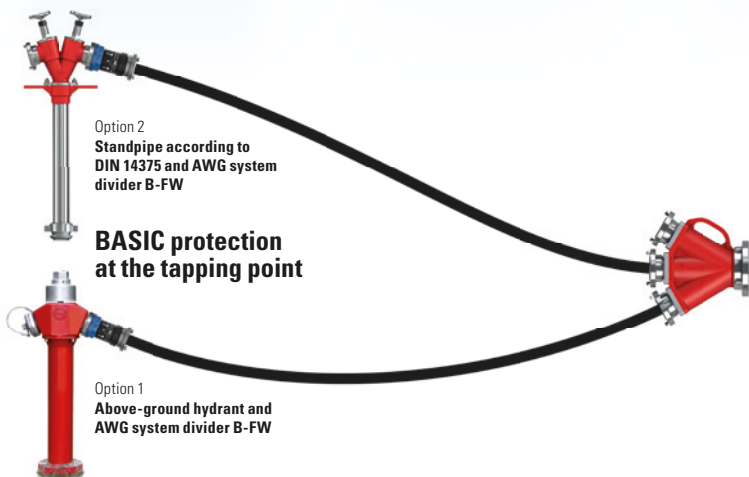
Relief valve

Pressure loss only approx. 1 bar
at 1,600 l/min.
DIN 14346

only 220 mm

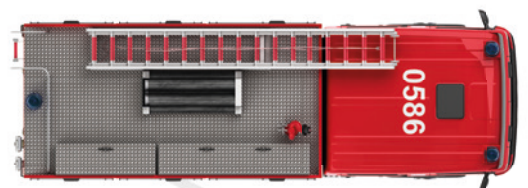
Weight only 1.9 kg

only 126 mm



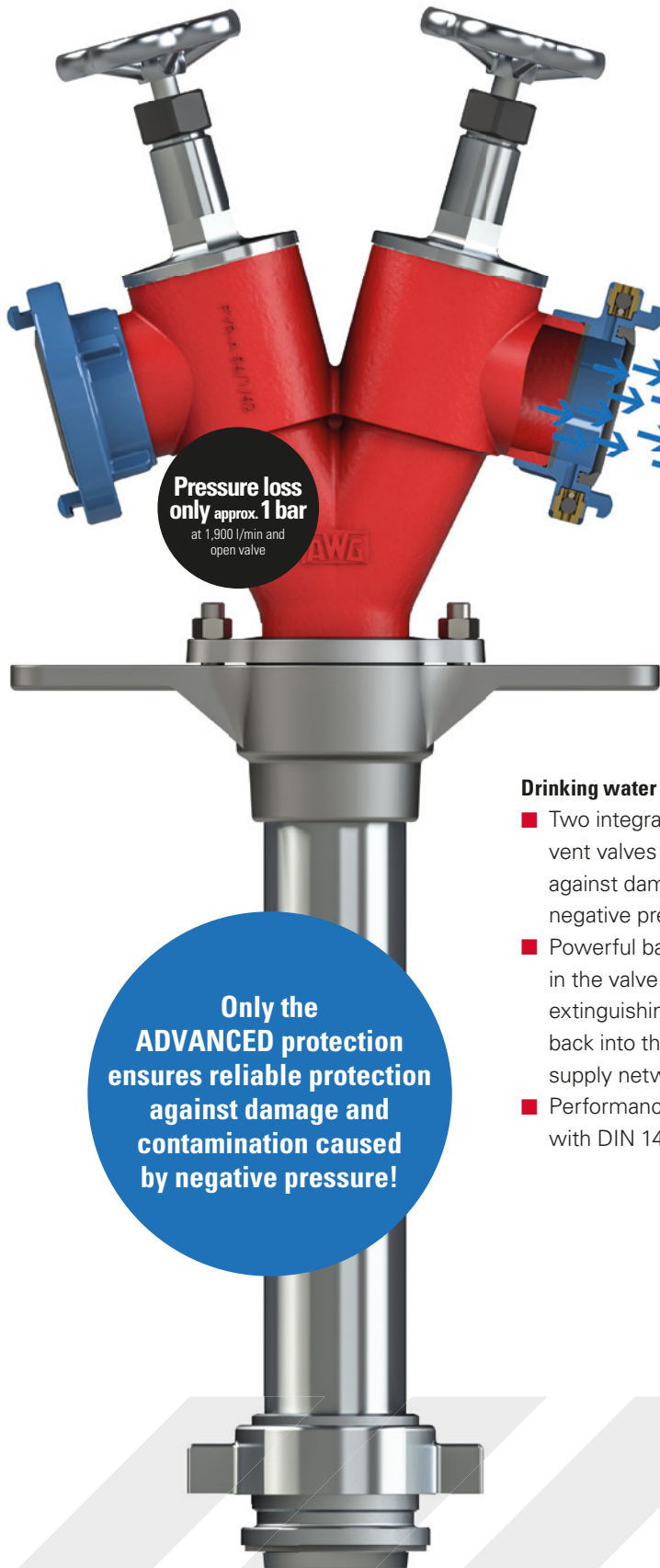
BASIC protection on the vehicle

AWG DIN siameses
with Storz 75 (B) couplings without venting valves





ADDITIONAL PROTECTION AGAINST NEGATIVE PRESSURE DAMAGE WITH ADVANCED FUSE PROTECTION



Pressure loss only approx. 1 bar at 1,900 l/min and open valve

System divider B-FW

- BASIC protection of standpipes or above-ground hydrants
- Performance data in accordance with DIN 14346

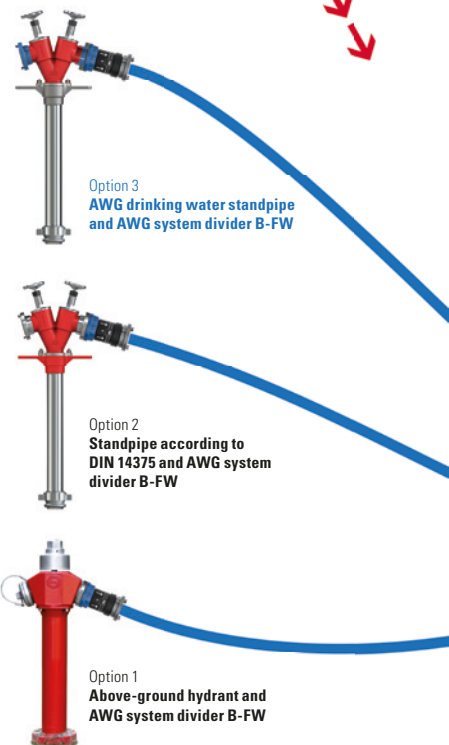
Pressure loss only approx. 1 bar at 1,600 l/min DIN 14346

Drinking water protection standpipe

- Two integrated, fully automatic vent valves at the outlets protect against damage caused by negative pressure
- Powerful backflow preventers in the valve shut-offs prevent extinguishing water from flowing back into the drinking water supply network
- Performance data in accordance with DIN 14375

Only the **ADVANCED** protection ensures reliable protection against damage and contamination caused by negative pressure!

ADVANCED protection at the tapping point



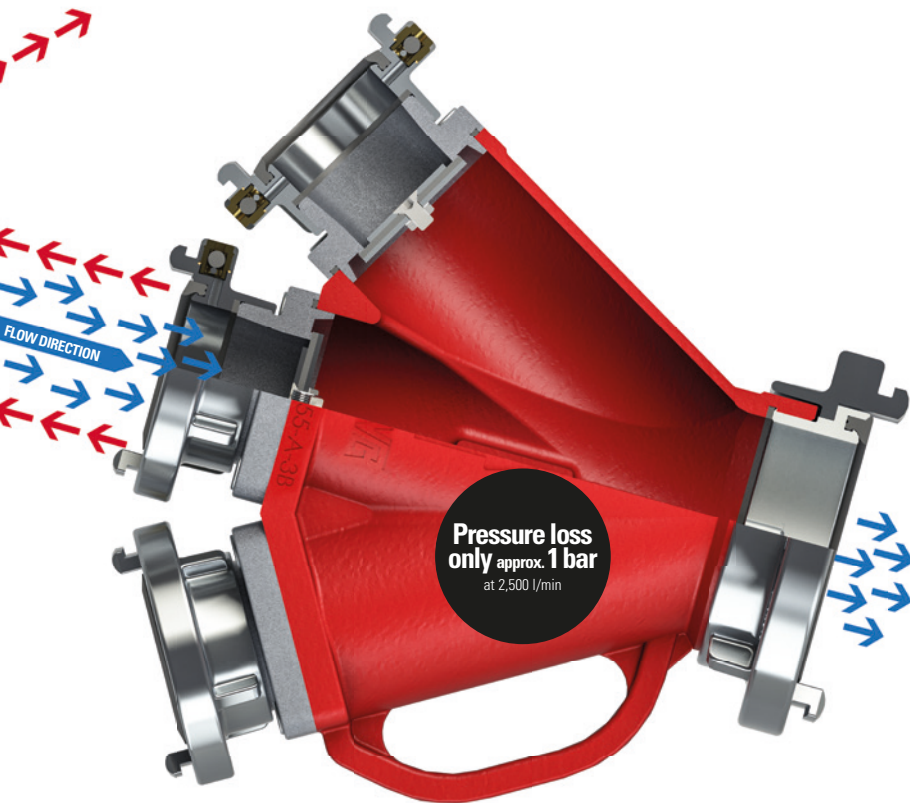
Option 3
AWG drinking water standpipe and AWG system divider B-FW

Option 2
Standpipe according to DIN 14375 and AWG system divider B-FW

Option 1
Above-ground hydrant and AWG system divider B-FW

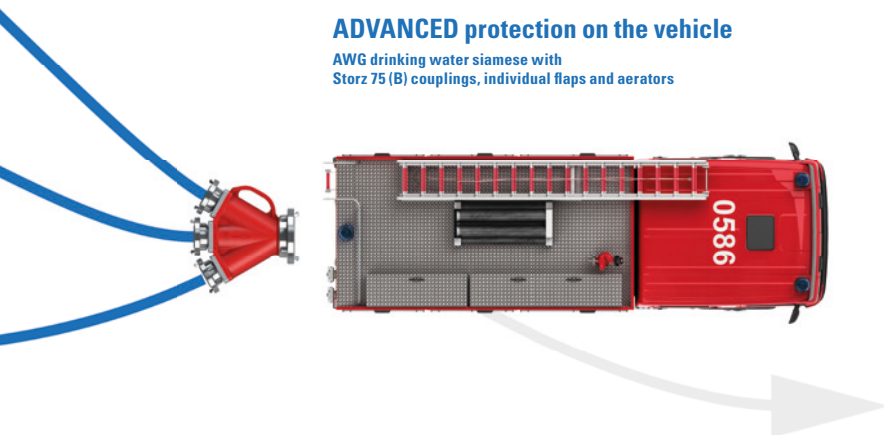
Drinking water siamese

- Two integrated, fully automatic ventilation valves at the inlets provide protection against damage caused by negative pressure
- Separate, automatic non-return valves prevent the backflow of extinguishing water
- Performance data in accordance with DIN 14355



ADVANCED protection on the vehicle

AWG drinking water siamese with Storz 75 (B) couplings, individual flaps and aerators



The AWG system divider B-FW ensures that no extinguishing water enters the drinking water system in the event of pressure differences. It does not, however, protect drinking water pipes and pump systems from being damaged by negative pressure.

Only the ADVANCED protection with the AWG drinking water protection system offers reliable protection against damage and contamination through negative pressure!

The fully automatic ventilation valves of the AWG drinking water protection system restrict the occurrence of negative pressure in the pipe. Air flows in from the outside when there is the slightest negative pressure in the extinguishing water pipe. The pressure is balanced.

This function is available on the AWG drinking water standpipe as well as on the AWG drinking water siameses. **You are therefore optimally prepared for all conceivable scenarios that may occur.**

Different fittings are used depending on the structure of a water supply pipe. All available units are often called out for large-scale fires. This means that vehicles are also used whose equipment does not meet the latest standards of drinking water protection.

To protect existing equipment from damage caused by negative pressure, we offer **retrofit kits for standard standpipes according to DIN 14375 and for manifolds according to DIN 14355**. This means that your existing standpipes and manifolds can also be retrofitted to be suitable for drinking water protection.

Technical data >



AWG DRINKING WATER PROTECTION SYSTEM >



	Hydrant standpipe	Hydrant standpipe (Ba-Wü version)	System divider B-FW	Siamese A-2B	Siamese A-3B	Siamese 125-3B
<i>Pressure loss</i>	2,000 l/min at approx. 1 bar	2,000 l/min at approx. 1 bar	1,600 l/min at 1 bar	2,000 l/min at approx. 0.2 bar	2,000 l/min at approx. 0.2 bar	2,000 l/min at approx. 0.2 bar
<i>Inlet</i>	DN80	DN50	Storz 75 (B)swivel	2 x Storz 75 (B)	3 x Storz 75 (B)	3 x Storz 75 (B)
<i>Outlet</i>	2 x Storz 75 (B)	2 x Storz 75 (B)	Storz 75 (B)	Storz 110 (A)	Storz 110 (A)	Storz 125
<i>L / W / H</i>	1022 / 333 / 126 mm	1950 / 333 / 126 mm	220 / 126 / 126 mm	228 / 270 / 182 mm	351 / 373 / 182 mm	364 / 373 / 196 mm
<i>Weight</i>	6.7 kg	9.2 kg	1.9 kg	4.5 kg	7.3 kg	7.5 kg
<i>Materials</i>	Aluminium, brass, Teflon	Aluminium, brass, Teflon	Aluminium, stainless steel	Aluminium, stainless steel, brass, Teflon	Aluminium, stainless steel, brass, Teflon	Aluminium, stainless steel, brass, Teflon
<i>AWG ID no.</i>	300 639 99	101 002 33	202 385 33	202 313 33	620 222 33	605 317 01



Retrofit kit for standpipes DIN 14375

2 valve bonnets with backflow preventer plus 2 Storz couplings 75 (B)-2½" with integrated pipe aerator. Can be retrofitted by the user.

AWG ID no.

620 202 99



Test set AWG system divider B-FW

Optional test set in handy case for carrying out the STANDARD and ADVANCED test scope at 12-month intervals.

AWG ID no.

620 766 99



Retrofit kit drinking water siameses

3 Storz 75 (B)-2½" couplings with integrated pipe aerators. Can be retrofitted by the user.

AWG ID no.

620 735 99



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

+49 7340 91 88 98 -0

Simply send us your enquiry by email

awg-info@idexcorp.com

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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