



**IHR PARTNER FÜR DEN
VORBEUGENDEN-
UND ABWEHRENDEN
BRANDSCHUTZ!**

TKW
ARMATUREN

Data sheet

Fire brigade standpipes based on DIN 14375

Description

Standpipes are fittings used by the fire brigade to safely extract extinguishing water from underground hydrants and comply with DVGW W405-B1.

The standpipes 2xB DN80, 2xB DN50 and 2xC DN80 also meet the requirements of DIN 14375 for fire brigade standpipes in terms of design and usability.



HOW IT WORKS

The standpipes are equipped with non-return valves, which are installed in the valve upper parts, as required by DVGW W405-B1 in standpipes for extinguishing water withdrawal. These prevent extinguishing water or foam-water mixtures from flowing back into the drinking water pipe. Built-in aerators in the upper part of the standpipe 2xB prevent the development of negative pressure by allowing air to flow in from the outside. This prevents the hose from suddenly contracting. And it prevents pressure fluctuations in the drinking water pipe, which can cause damage.



Ventilation:

TKW offers a cross-section area of over 144mm² even with the use of only one outlet, and thus more than four times the ventilation performance of a comparable competitor product! When both outlets are used on the standpipe, the TKW standpipe still has more than double the ventilation performance!

Backflow preventer:

TKW relies on the safest and most stable technical solution to protect the drinking water network from extinguishing water backflow. Our flow rate of approx. 1,600 l/min at 1 bar pressure loss is designed and optimised for the needs of the fire brigade! You do not get a makeshift retrofit solution but a newly developed product that sets standards in every respect!

TKW is the only manufacturer to offer a standpipe that not only meets the requirements of DVGW W 405-B1 but also uses only standard couplings! The couplings comply with DIN 14308 and are used on many fire brigade fittings. Should a coupling ever need to be replaced, the fire brigade can use DIN items from their normal spare parts store from all manufacturers!

Important instructions for use:

- Before the standpipe is put in place, the hydrant must be thoroughly cleaned of dirt.
- Before screwing in the standpipe, turn the base all the way down.
- After screwing in the standpipe, only move the standpipe head in a clockwise direction! Otherwise, the standpipe base could be accidentally unscrewed from the underground hydrant, causing injury or damage.
- Before opening the underground hydrant valve using the UFH type C key, open at least one outlet to allow incoming water to flush out any impurities.
- After connecting a hose, always open the valve completely to avoid pressure loss.
- After use, always leave the valve caps open at least half a turn for vehicle loading and turn the standpipe foot all the way down.

Maintenance and inspection:

The standpipe must be inspected after every use, and at least once a year, to ensure that,

- That the screws and nuts are hand-tightened (if necessary, tighten and secure with screw locking device)
- That the couplings are tightened (retighten if necessary) That the standpipe base is not bent and can be turned easily and evenly.
- That the lower part of the standpipe is not bent.
- That no cracks, fractures or other damage occur
- We recommend regularly applying suitable lubricants to the base of the standpipe, Storz couplings and valve rod, as well as the seals.



If there is any uncertainty about possible defects, the product must be taken out of service immediately and the manufacturer or a trained equipment technician must be contacted!

Available versions

For a better overview, we have colour-coded the different flow rates.

DN80	Green
DN50	Blue
DN100	Yellow

With two lockable outlets

Version	Foot	Art. no.
Storz C	DN80	401021
Storz C m. RV	DN80	401022
Storz C m. RV u. Bel.	DN80	401023
Storz B DIN 14375	DN80	401041
Storz B m. RV u. Bel. DVGW	DN80	401044
Storz B m. RV	DN80	401042
Storz B m Ventiloberteil RV u. Bel.	DN80	401045
Storz B	DN50	401081
Storz B m. RV u. Bel.	DN50	401084
Storz C	DN100	401000
Storz C m. RV u. Bel.	DN100	401005
Storz B	DN100	401001
Storz B m. RV u. Bel.	DN100	401004

Two lockable outlets, „Württembergisches“ design (long)
are only available in DN50, no conversion possible

Version	Foot	Art. no.
Storz C	DN50	402021
Storz B	DN50	402041
Storz B m. RV u. Bel.	DN50	402044



One lockable outgoing circuit

Version	Foot	Art. no.
Storz C	DN80	403021
Storz C	DN50	403041
Storz C württembergische Ausführung	DN50	403042



Without shut-off

Version	Foot	Art. no.
Storz C	DN80	404021
Storz B	DN80	404041
Storz C	DN50	404061
Storz B	DN50	404081



Spare parts

Description	Foot/Sizes	Art. No.
Standrohrunterteil m. RV	DN80	400062
Standrohrunterteil kompl.	DN80	400061
Standrohrunterteil kompl.	DN100	400060
Standrohrfuß	DN100	400110
Standrohrfuß	DN80	400091
Standrohrfuß kompl.	DN50 LM 2"	400101
Standrohrfuß kompl.	DN80 LM 2"	400151
Standrohrfuß kompl.	DN80 MS 2"	400152
Flachdichtung Griffschale	75mm	950021
Dichtung Fuß	DN50 50x75x5mm	400141
Dichtung Fuß Leder	DN50	400142
Dichtung Fuß	DN80 72x92x5	400131
Dichtung Fuß	DN100	400125

