Operating and Maintenance Instructions for
Freeflow Garden Hydrant
Ord.No. 984-00

1. Intended use / Product description

Version GEKA-coupling

Version Franke-coupling

Medium: Potable water
Max. operating temperature: 0°-40°
Max. operating pressure: 16 bar
Material: Cast iron components: GJS-400, Hawle epoxy powder-coated
Medium pipe: stainless steel, protection jacket ESP: HDPE
Spindle/shut-off blade/shut-off blade driving mechanism: stainless steel
GEKA-Plus coupling / Franke coupling: brass *
Gaskets: EPDM acc. to DVGW W 270

Because of the completely straight-through outlet area the freeflow underground garden hydrant permits very high flow rates.

Ideal for use in gardens and parks, as well as on camping sites.
Shutting off is effected via a shut-off blade of stainless steel with fixed stops in open/closed position.
(**PLEASE NOTE:** 1/2 turn).

Due to the drainage function the hydrant is protected against frost damage.

Upper outlet: GEKA-Plus coupling
Franke coupling (suitable for standard garden stand pipes DN25/1“)

IMPORTANG: **Always** use suitable tapping standpipes with shut-off valves. Tapping shall be regulated via the valves at the standpipe instead of via the main isolation valve at the garden hydrant proper.

Lower outlet: tapered male thread 1 1/4“

Operation, opening or closing via valve operating key model no. 341-00.

When tapping drinking water, the seal of the GEKA-Plus coupling must be replaced on site.

For installation, assembly and maintenance, the applicable standards and regulations, accident prevention regulations, as well as the trade associations' provisions shall be observed and complied with. The hydrant shall be installed, assembled, and maintained by skilled personnel only.

Accessories:

		
212-00 Surface box with cover, rectangular	204-05 Base plate of concrete for surface box	984-02 Drainage element for garden hydrant
		
341-00 Operating key acc. to DIN 3223	212-02 Transition adaptor for surface box Ord.No. 212-00	

2. Assembly

ATTENTION: For Freeflow Garden Hydrants, we recommend the model without drainage when used in areas with a high groundwater level (at the level of the drain hole or higher) and to prevent the ingress of dirt.
It should be noted, however, that the service pipe must be drained after use. (danger of frost).

For installing the garden hydrant in the pipeline, the respective DVGW provisions for establishing threaded connections shall be observed.

2.1 Drainage element Ord.No. 984-02

The drainage element for Hawle freeflow underground hydrants serves the purpose of receiving and slowly draining of the residual water accumulating during closing. Moreover, the drainage element protects the drainage opening from roots growing in.

Installation:
1. Loosen the screws of one cover part of the drainage element and remove the cover part.
2. Put the drainage element over the garden hydrant from above and push it down until it stops.
3. Refit the cover part and fasten it with the screws.
4. Surround the drainage element with permeable backfilling.
   Optionally, the drainage element can be prevented from clogging with fleece wrap strips Ord.No. 490 080 0500.

2.2 Transition adaptor for surface box Ord.No. 212-00 - Ord.No. 212-02 and Operating key / valve key Ord.No. 341-00

Material: Stainless steel / steel galvanised

The transition adapter is used to operate the square of the surface box Ord.No. 212-00 in combination with the operating key/valve key Ord.No. 341-00/341 001 0000.

3. Commissioning and pressure-testing

After the successful installation, the hydrant has to be subjected to pressure testing in the open trench considering the maximum operating pressures as specified in the DVGW regulations.
After the leakage test, a function check has to be performed.

4. Servicing and maintenance

Hawle garden hydrants do not require any maintenance. Inspection acc. to DVGW sheet W400-3.

* Brass/red brass components > 0.1% lead acc. to Regulation (EU) No. 1907/2006 (REACH Regulation)

If you have any other questions or if you need more information please contact:

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