Operating and maintenance instructions for
Sewage water flushing hydrant DN 80
Ord. No. 985-09

1. Intended use / Product description

Medium: Municipal wastewater

Max. operating temperature: 0°-40°

Max. operating pressure: 16 bar

Material:
Cast components: GJS-400, Hawle epoxy powder coating
Medium pipe: stainless steel, Hawle epoxy powder coating
Spindle/knife gate valve/knife gate valve driving mechanism: stainless steel
Storz B-coupling: stainless steel
Protection tube: PP (polypropylene)
Seals: EPDM acc. to UBA-KTW-BWGL

The sewage water flushing hydrant is an adapted free-flow underground hydrant.
Due to the free medium pipe in the open position, this flushing hydrant enables an efficient supply of flushing water into the wastewater pressure pipe.
Similarly, wastewater can be drained if, for example, a temporary bypass pipe has to be laid.
Shut-off is effected via a Teflon-coated knife gate valve made of stainless steel.
The knife gate valve is moved horizontally towards fixed metal stops by means of an eccentric mechanism and gear in a housing preventing excessive wear.

The wastewater flushing hydrant is equipped with a Storz B-coupling of stainless steel.

The B-coupling can be opened with a special tool (see accessories).

The flushing hydrant does not have a draining system in order to prevent wastewater from seeping away. For this reason, the medium pipe must be emptied through suction after use (otherwise risk of frost demages).

Standard spindle head
When using the standard spindle head, the standard gate valve key Ord. No. 342 002 0000, must be used for opening and closing (see accessories).

Spindle head special version
Incorrect use of the sewage water flushing hydrant for extinguishing purposes is prevented by the green marking on the coupling plate or additionally by the spindle head special version Ord. No. 490 080 0740.
When using the spindle head special version, the gate valve key sewage Ord. No. 342 002 0001 must be used for opening and closing (both see accessories).

Q = 153 m³/h water at a pressure difference of 1 bar
Min. cross section: 62 mm without drainage mechanism
Flow capacity 62 mm (Storz B)
Opening/closing: 15 revolutions

During installation and maintenance operations, the applicable standards and guidelines, accident prevention regulations and the regulations of professional associations are to be observed and complied with.
Installation and maintenance operations may be performed by qualified personnel only.

Accesoires:

		
206-01 Surface box for rolling in, with locking bolt	Ord.No. 342 002 0001 Gate valve key sewage water to spindle head **special version**	Ord.No. 490 080 0740 Spindle head **special version**
		
Ord.No. 342 002 0000 gate valve key to spindle head standard	Special tool for opening the B-coupling (on request)	

2. Assembly

	Spanner

When installing the wastewater flushing hydrant in the pipeline, the regulations of the German Association for Water Management, Sewage and Waste (DWA) applicable to the production of a flange connection must be observed.

DIN EN 1671 and DWA-A 116-2 must also be observed when installing and operating wastewater flushing hydrants and wastewater pressure lines.

3. Commissioning and Pressure Testing

Once the hydrant has been successfully installed, a pressure test must be carried out observing the maximum operating pressures in accordance with the DWA Regulations (see also DIN EN 1671 and DWA-A 116-2).
Following the leak test, a functional check must be performed.

4. Maintenance and servicing

Hawle sewage flushing hydrants are maintenance free.

4.1 Spare parts

	
Ord.No. 491 080 0140 Spindle head standard	Ord.No. 519 00 270 B-blind coupling Niro with chain

Should you have any further questions or require more detailed information, please contact:

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