

H5evo

hawle



Hawle H5evo[®] above-ground hydrants



Explanatory notes on the brochure

General media information in the product descriptions may apply subject to certain restrictions. Kindly always state the relevant medium in your given application when you place an order or submit a query.

If you have any further questions about our products, please do not hesitate to contact our employees of the application engineering division at any time.



Products for use in connection with potable water



In general, products sold by us are subject to the statutory warranty period of 2 years from the date of delivery at Hawle. Due to the high quality of Hawle products, we are able to offer you an extended warranty of 5 years for products manufactured by us. For more details, please see our website at: www.hawle.de/en/warranty-extension/



Information on our “10-year quality guarantee” for Hawle potable water products are available at the following link: <https://www.hawle.de/en/10-years-quality-warranty/>



For current information, please see our Hawle app. Further information is available at www.hawle.de/app

Hawle H5evo® above-ground hydrant

Above-ground hydrants are used to supply water for extinguishing purposes in the municipal and industrial sector. Due to its flow-optimized head design and concurrently lower pressure loss, Hawle H5evo® above-ground hydrants can be used in all instances that require large quantities of extinguishing water.

In the Hawle H5evo® above-ground hydrant, the shut-off function is provided by a PUR-coated shut-off cone. The PUR coating of the shut-off cone protects hydrants against damage caused by abrasive substances in potable water. The Hawle H5evo® above-ground hydrant has a defined limit stop for opening and closing.

When the Hawle H5evo® above-ground hydrant opens, the shut-off body moves up and then closes first the drain holes and then the throughput passage. Water rises and flows upward, all around the shut-off body.

During closing, the shut-off body moves to the bottom limit stop position until the throughput passage is shut off completely. After 15 revolutions, the residual water, which may still remain in the hydrant after closing, can flow out into the soil through the drainage holes in and the drainage element. The integrated stones catcher on the shut-off cone of the hydrant prevents damage to the shut-off element from stones and other foreign particles. This ensures a permanent and reliable shut-off function.

The standpipe and hydrant head each remain independently rotatable by 360° even after installation.

Outlet: Flange, BAIO® spigot end

The Hawle H5evo® above-ground hydrant is equipped by default with a predetermined breaking point. The predetermined breaking point ensures that the hydrant remains completely sealed in the case of an accident. Four spare screws in the hydrant head allow for quick, easy repairs. The Hawle H5evo® above-ground hydrant is corrosion-resistant against disinfectants approved for use with potable water.

Hawle H5evo® above-ground hydrants are made exclusively from high-quality, stainless materials. The coating of the lower part of the hydrant column, i.e. up to the predetermined breaking point, offers additional protection. The materials have been selected to ensure a high level of functionality as well as a consistent good appearance for the entire duration of the hydrant's lifespan.

The flow rate at a differential pressure of 1 bar is for all Hawle above-ground hydrant above the value required by EN 14384.



Technical features


- DVGW (German Association for Gas and Water) certification without exception for all parts in contact with water
- Very low weight (max. 65 kg)
- Hydrant head and standpipe independently rotatable by 360°
- Flow-optimized components
- Fixed couplings: A according to DIN 14319, B according to DIN 14318 and C following DIN 14317
- Shut-off mechanism through shut-off cone with PUR coating
- Low operating torques
- Easy replaceability of shut-off mechanism during maintenance
- Shut-off body with integrated stone catcher prevents damage to shut-off mechanism
- Draining with water surge protection after closing process (two draining holes)
- Version: Hydrant with predetermined breaking point
- CE marking according to EN 14384
- Pipe cover depth from 1.00 m to 1.50 m (special lengths available on request)
- Hydrant heads available in any desired RAL color
- Predetermined breaking point extension by 100 - 800mm possible

Technical data

Hydrant head:	GJS-400, UV-resistant coating, red RAL 3003
Column:	Stainless steel with Hawle epoxy powder coating up to the predetermined breaking point
Operating rod/spindle:	Stainless steel
Shut-off cone:	TPU/Grivory
Spindle holder:	Stainless steel
Gaskets:	EPDM/PUR according to criteria document for plastics and other organic materials in contact with drinking water (UBA-KTW-BWGL transitional arrangement) of the German Federal Environmental Agency (UBA)
Medium:	Potable water
Maximum operating pressure:	16 bar
Bottom outlet:	Flange DN 80, flange DN 100 according to EN 1092-2, BAIO® spigot end according to DN 80

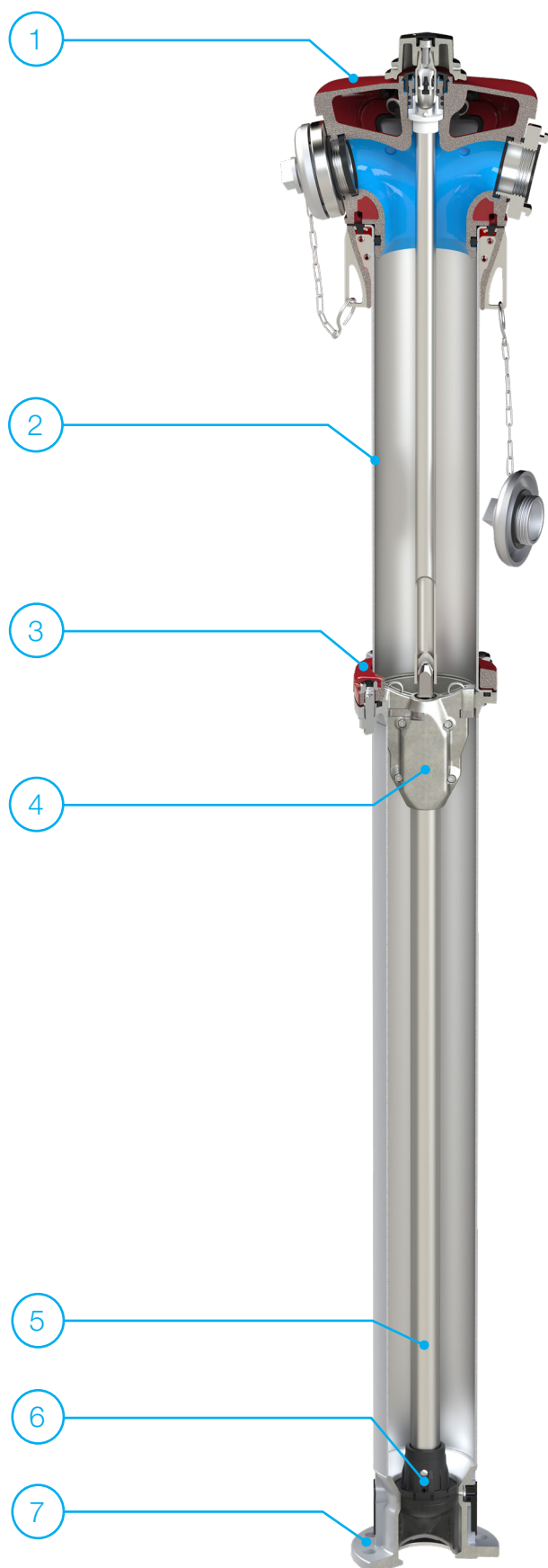
Versions of Hawle H5evo® above-ground hydrants



No.:	Description	Max. operating pressure 	Nominal diameter	Pipe cover depth	Outlets
519-03	H5evo® above-ground hydrant with flange and predetermined breaking point	16 bar	Flange DN 80	1.00 m, 1.25 m, 1.50 m	2B and 2C/1B
519-03	H5evo® above-ground hydrant with flange and predetermined breaking point	16 bar	Flange DN 100	1.00 m, 1.25 m, 1.50 m	2B and 2B/1A ¹⁾ 2C and 2C/1B
519-03	H5evo® above-ground hydrant with BAIO® spigot end and predetermined breaking point	16 bar	BAIO® spigot end DN 80	1.00 m, 1.25 m, 1.50 m	2B and 2C

¹⁾ Gate valve for A coupling available on request

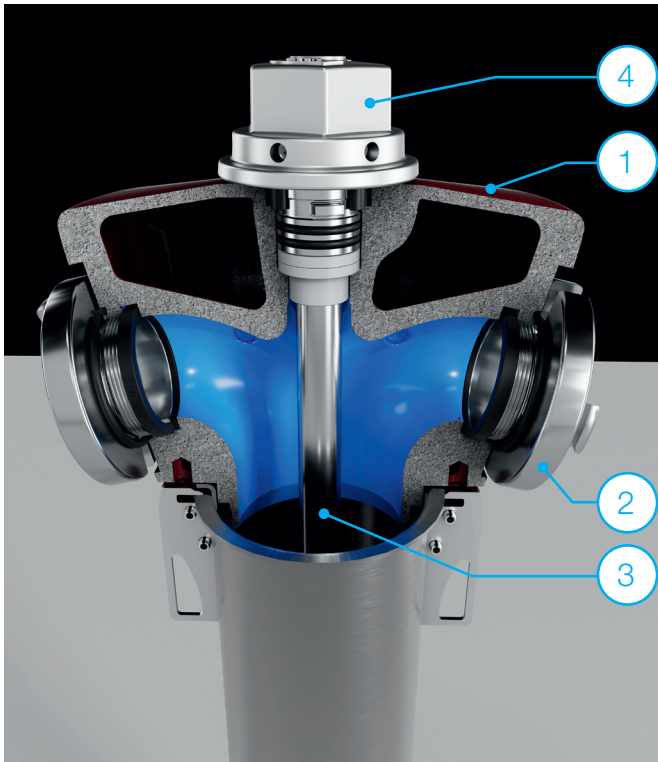
Structure of Hawle H5evo[®] above-ground hydrant



	Short designation	Material
1	Hydrant head	GJS-400, UV-resistant coating, red RAL 3003
2	Hydrant column, fully assembled	Stainless steel with Hawle epoxy powder coating up to the predetermined breaking point
3	Predetermined breaking point	
4	Spindle holder	Stainless steel
5	Operating pipe	Stainless steel
6	Shut-off cone	TPU/Grivory
7	Hydrant base	Stainless steel

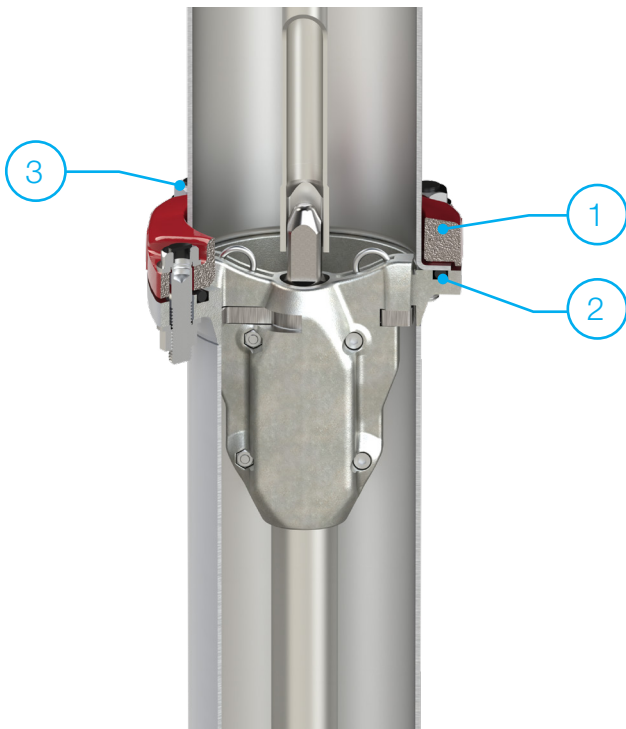
Structure of Hawle H5evo[®] above-ground hydrant

Hydrant head of Hawle H5evo[®] above-ground hydrant



No.	Short designation	Material
1	Hydrant head	GJS-400, UV-resistant coating, red RAL 3003
2	B fixed coupling	Stainless steel
3	Operating pipe Hydrant head	Stainless steel
4	Operating hexagon	Stainless steel

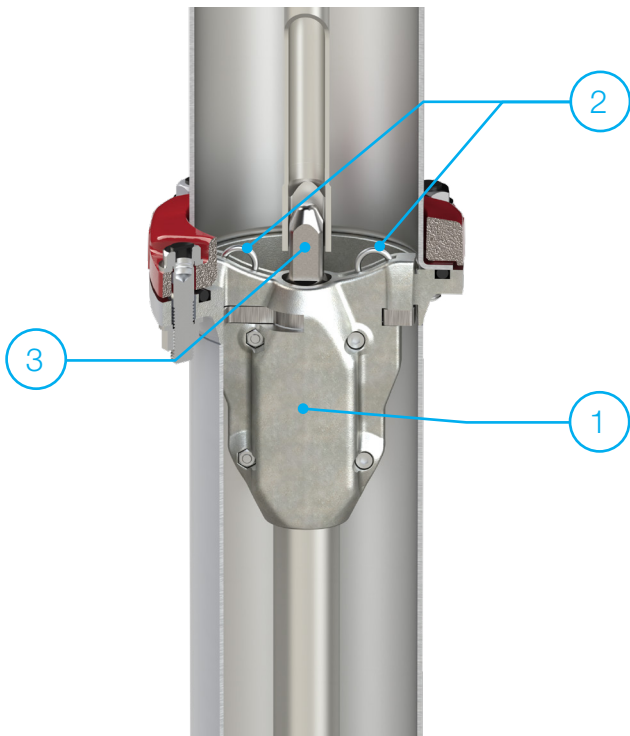
Predetermined breaking point of Hawle H5evo[®] above-ground hydrant



	Short designation	Material
1	Flange for predetermined breaking point to hydrant column, fully assembled	GJS-400, UV-resistant coating, red RAL 3003
2	O-ring to predetermined breaking point	EPDM
3	Screws for predetermined breaking point	Stainless steel

Structure of Hawle H5evo® above-ground hydrant

Spindle holder of Hawle H5evo® above-ground hydrant



Short designation	Material
1 Spindle holder	Stainless steel
2 Spring cotter pin	Stainless steel
3 Spindle	Stainless steel

Hydrant base of Hawle H5evo® above-ground hydrant

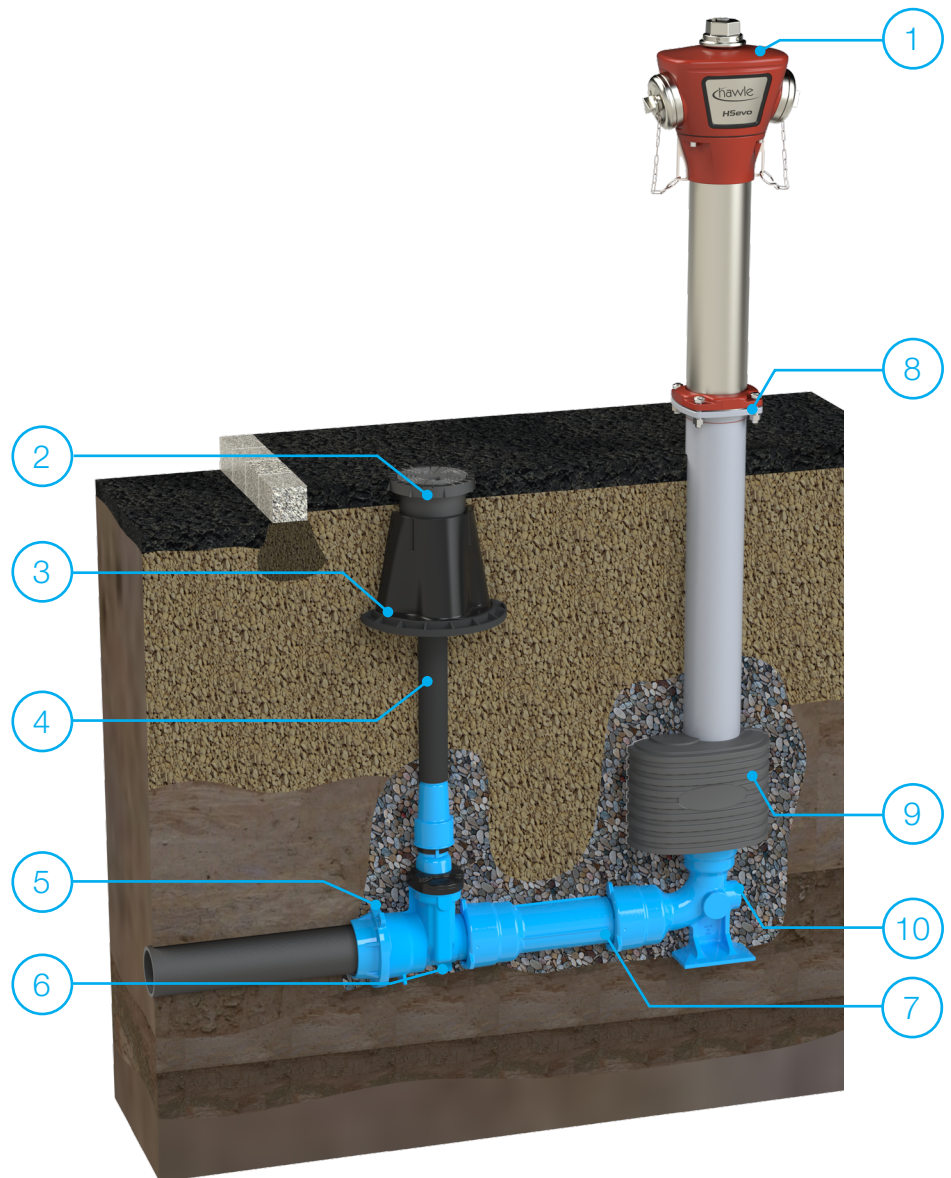


Short designation	Material
1 Hydrant base	Stainless steel with Hawle epoxy powder coating
2 Shut-off cone	TPU/Grivory
3 With integrated stone catcher	

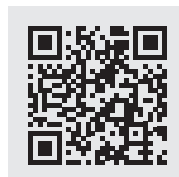
Installation situation of Hawle H5evo[®] above-ground hydrant

Short designation

- 1 H5evo[®] above-ground hydrant
- 2 Surface box
- 3 Base plate
- 4 Extension spindle
- 5 Restraint joint
- 6 Gate valve
- 7 SM-fitting (spigot end/ socket fitting)
- 8 Predetermined breaking point
- 9 Drainage element
- 10 Duckfoot bend



Virtual launch of H5evo[®]



Scan here!

Product complements and spare parts



For other spare parts, please see www.hawle.de/ersatzteile

No.:	Description	Material
519-01	Drainage element for H5evo® above-ground hydrants ¹⁾	PP (polypropylene)
519-04	Extension for H5evo® above-ground hydrants	Stainless steel
343-00	Operating key for above-ground hydrants	Steel, galvanized
344-00	Ratchet key for above-ground hydrants	Aluminum
490-05	Dirt cover and locking ring for BAIO® spigot ends, DN 80	GJS-500, Hawle epoxy powder coating Rubber sleeve: NBR
490-10	Drainage hose for H5evo® above-ground hydrants, length: 1600 mm	PE/PVC
519E06	Hexagon bolt for predetermined breaking point	Stainless steel
519E09	Set of spare screws for predetermined breaking point in above-ground hydrants	Stainless steel
519E18	Shut-off cone for H5evo® above-ground hydrants	TPU/Grivory
519E19	Locking pin for shut-off cone in H5evo® above-ground hydrants	Stainless steel

¹⁾ Optional accessories: Filter fleece to prevent fine-grained soil from clogging the drainage element (order no. 490 080 0500)

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