

THROUGHBORE UNDERGROUND H.

1 CHARACTERISTICS AND BENEFITS

- Under-ground hydrant for potable water – for quick use in case of fires and temporary connecting of pipe network
- Suitable for pipeline cleaning – flushing hydrant
- Resistant to hard particles presence in water
- Enables pipeline monitoring and diverse observations of pipe system, for probes, cameras, microphones, etc.
- Sealing type guillotine
- Excellent hydraulic characteristics
- Completely straight through bore diameter 70 mm
- Without maintenance
- Covers pipeline depths from 0,9 till 1,97 m
- Direction of closure clockwise; 3 dead out of 10 turns
- Resistant to disinfection
- All uncoloured parts from rust-resistant materials
- Light weight of the hydrant enables quick and simple installation
- Terminal stoppers prevent damage due to eventual use of excessive force during opening/closing
- Epoxy powder coating in RAL 5005

2 STANDARDS

- Hydrants manufactured and tested in acc. to EN 14339, EN 1074-6
- Acc. to European construction products regulation 305/2011/EU (CPR)
- Ductile iron acc. to EN 1563-3
- Flanges acc. to EN 1092-2 PN 10/16
- Operating outlets acc. to DIN 3221
- Final strength and tightness test acc. to EN 12266
- Corrosion protection acc. to DIN 30677-2 and EN 14901
- Sealing elements for drinking water acc. to EN 681
- Microbiological suitability acc. to EN 16421 (W270)

3 APPROVALS

- UBA, W270, KTW, ACS WRAS, Belgaqua for EPDM sealing elements and Epoxy coating
- GSK – RAL GZ-662/2 for corrosion protection
- DVGW certificate for the German market

ART. TBB DN 80 EXT

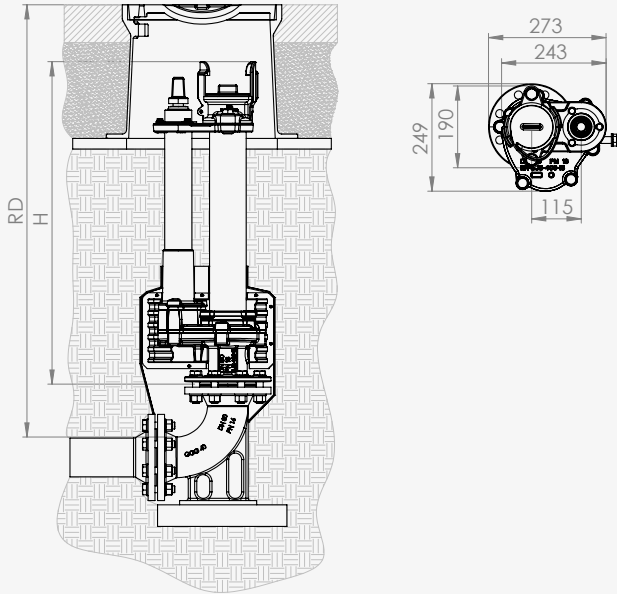


ON DEMAND

- Other outlets
- Other mounting depths
- Hydrant key
- N & FF piece
- Reducing flanges
- Drainage protection shell

PN	16
Max. operating pressure [bar]	16
Max. operating temperature for neutral liquids [°C]	60
Shell strength and tightness: test with water, rate A [bar]	25
Seat tightness: test with water, rate A [bar]	17,6

TECHNICAL DRAWINGS



DATA

DN		80				
Dimensions	Mounting depth - RD [mm]	900-980	1030-1260	1280-1510	1510-1740	1740-1970
	H [mm]	650-730	800 - 1030	1030-1260	1260-1490	1490-1720
Weight approx. [kg]		31,5	32	32,5	33	33,5
Operating torque [Nm]				60		
Operating loads [Nm]	MOT			105		
	MST			280		
Drainage	Residual volume [ml]			50		
	Drainage time [min/m]			3		
Kv [m³/h]		180	171	162	153	144

MATERIALS

	BASIC VERSION	SPECIAL VERSIONS ON DEMAND (differences from basic version)
Body	EN GJS-400-15	
Pipe	W. Nr. 1.4404	Coated on RAL 5005
Outflow cover	EPDM	HDPE/1.4301
Spindle/shaft	W. Nr. 1.4021	
Protecting pipe	PE	
Operating cap	EN GJS-400-15	
Outlet	EN GJS-400-15	
Closing plate	W. Nr. 1.4404	
Screw material	A2	A4
Gaskets	EPDM	
Epoxy coating	RAL 5005, min. 250 µm	