

# UNDERGROUND HYDRANT

### CHARACTERISTICS AND BENEFITS

- Underground hydrant for potable water for quick use in case of fires and temporary connecting of pipe network
- All materials suitable for potable water
- Enables quick and simple handling in emergency
- Single (AU) or double (AUD) closing
- Drain integrated in the valve body no plastic elbows
- Connection to a pipeline network with an N or FF piece
- Direction of closure clockwise; 3 dead out of 8 turns
- Resistant to disinfection
- Automatic drainage
- Inner stem rod from whole material to prevent growth of bacteria
- Stainless steel seat maintenance free
- Sealing construction enables self-cleaning of the sealing area
- Terminal stoppers prevent damages due to eventual use of excessive force during opening/closing
- Light weight of the hydrant enables quick and simple installation
- Good hydraulic characteristics
- No need to dig out the hydrant in case of replacement of damaged parts
- Epoxy powder coating in RAL 5005

## 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
- Stem out of W.Nr. 1.4021 acc. to EN 10088
- Flanges acc. to EN 1092-2 PN 10/16
- Outlet for connecting fire hose acc. to DIN 3221
- Final strength and tightness test acc. to EN 12266-1
- 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)

## APPROVALS

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

## **ART. 2016 AU/AUD**

DN 80





#### ON DEMAND

#### **POSSIBLE ADDITIONS**

- Different outflow cover versions
- Drainage protection shell
- Hydrant T-key
- N & FF piece
- Reduce flanges

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



DATA

DN			80			
Mounting depth - RD		750	1000	1250	1500	
H2		508	738	988	1238	
Flange connections	D		200			
	DK		160			
	n		8			
	d		19			
Weight [kg]		22	27	32	38	
Operating loads [Nm]	мот		105			
	MST		250			
Drainage	Residual volume [ml]		10			
	<b>Drainage time</b> [s/m]		190			
Kv value DN80 [m³/h]	Kv measured	150	145	140	134	
	min Kv EN14339/ DVGWVP325		60		110	

MATERIALS

	BASIC VERSION	SPECIAL VERSIONS ON DEMAND (differences from basic version)
Body	EN GJS-400-15	
Seal ring	W.No. 1.4301	W.No. 1.4404
Operating cap	EN GJS-400-15 / RAL 5005	
Outflow cover	EPDM	
Outlet bonnet	EN GJS-400-15	
Spindle	W.No. 1.4021	1.4571
Piston	EN GJS-400-15 / EPDM	PUR
Terminal stoppers	A2	CW307G
Screw material	A2	A4
Sealing material	EPDM	
Epoxy coating	RAL 5005 min. 250 µm	Min. 300 µm