



## PN 16 - DN 80...100

KAT-A 1617-AUD



### Accessories

- T-key A
- T-key B
- Drain block DN 80
- Drain block DN 100
- N piece (GGG) DN 80
- N piece (GGG) DN 100

### Operation data

- Flow capacity:
  - DN 80: 2 x B-outlet Kv 140 m<sup>3</sup>/h
  - DN 100: 2 x B-outlet Kv 210 m<sup>3</sup>/h
  - DN 100: 1 x A-outlet Kv 290 m<sup>3</sup>/h

### Note

Installation depth is measured from the top of the pipeline to the road level.

For proper installation and safe operation please follow the installation and operation instructions:

KAT-B 1613

### Product characteristics and benefits

- With double shut-off and predetermined breaking point, type AUD acc. to DIN EN 1074-6
- With flange end acc. to EN 1092-2
- Safety interlock of the main valve assembly
- Automatic draining system and pressurized water protection (closed during operation of the hydrant)
- Maintenance-free stem seal with O-rings in bearing cap
- Free alignment of the hydrant due to loose flange connection on the predetermined breaking point
- With 2 upper B outlets
- Upper pillar made as a replica of the historic "Reuther" model from 1885
- Colour of upper pillar: dark grey

### Materials

- Valve cone: Ductile cast iron EN-JS 1030 (GGG-40) all around EPDM vulcanized
- Bearing: Brass
- Seat bush: Brass
- Lower pillar: Ductile cast iron EN-JS 1050 (GGG-50)
- Upper pillar: Ductile cast iron EN-JS 1050 (GGG-50)
- Bonnet: Corrosion-resistant aluminium alloy
- Bonnet crest: Corrosion-resistant aluminium alloy
- A and B coupling: Corrosion-resistant aluminium alloy
- Stem nut: Brass

### Corrosion protection

- Upper pillar: Inside true enamel and outside prime enamel and additional acrylic varnish
- Lower pillar: Inside true enamel and outside prime enamel and additional acrylic varnish
- Bonnet: Acrylic varnish

### Versions

- Standard version as described
- DN 100 with 2 upper B outlets and 1 lower A outlet
- Colour: red

### Field of Application

- Underground installation

### Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)
- DVGW tested and registered
- Elastomers approved acc. to W270

### Field of application

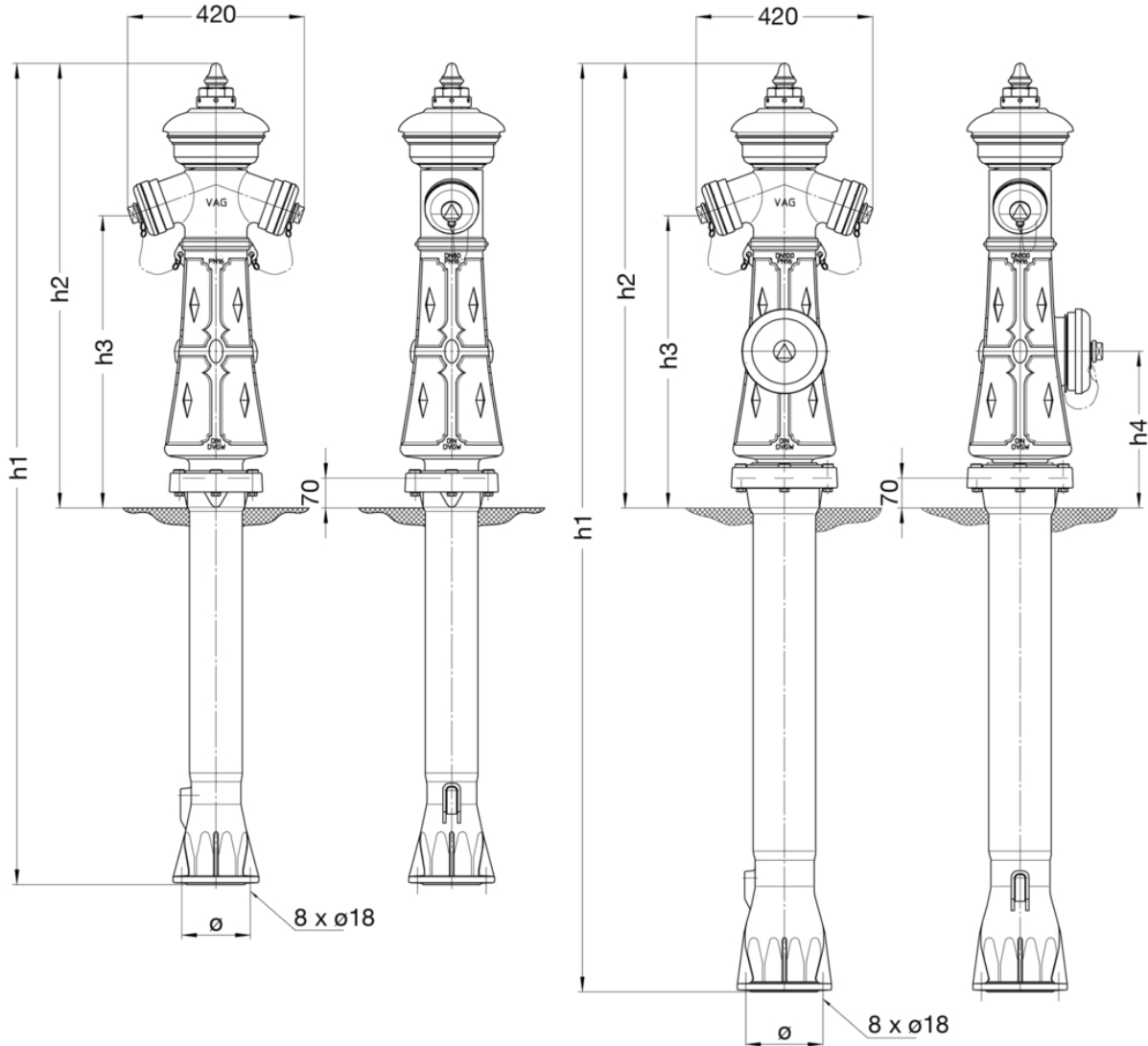
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
80...100	16	16	50

### Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
24	17.6



Drawing



Technical data

PN 16

DN	80	80	80	100	100	100	100
A-outlet	-	-	-	-	-	1	1
Installation depth [m]	1.00	1.25	1.50	1.25	1.50	1.25	1.50
h1 [mm]	1915	2165	2415	2165	2415	2165	2415
h2 [mm]	1035	1035	1035	1037	1037	1037	1037
h3 [mm]	775	775	775	772	772	772	772
h4 [mm]	-	-	-	-	-	390	390
ø [mm]	160	160	160	180	180	180	180
Weight approx. [kg]	80.00	86.00	92.00	105.00	112.00	106.00	113.00
Volume [mm]	1915 x 400 x 240	2165 x 400 x 240	2415 x 400 x 240	2165 x 400 x 240	2415 x 400 x 240	2165 x 400 x 240	2415 x 400 x 240