



## PN 16 - DN 80...100

KAT-A 1621

## Product characteristics and benefits

- With double shut-off, type AD 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 encapsulated stem seal with O-rings in the bearing cover
- With 2 upper B outlets
- Installation depth DN 80: Rd 1.00, Rd 1.25, Rd 1.5
- Installation depth DN 100: Rd 1.00, Rd 1.25, Rd 1.5

## Materials

- Upper part: Ductile iron EN-JS 1030 (GGG-40)
- Intermediate column: Ductile iron EN-JS 1030 (GGG-40)
- Base body: Ductile iron EN-JS 1030 (GGG-40)
- B and C Storz coupling: Corrosion-resistant aluminium alloy
- Valve cone: Ductile iron EN-JS 1030 (GGG-40) all around EPDM vulcanized
- Bearing: Brass
- Bonnet: Corrosion-resistant aluminium alloy
- Hydrant head: Ductile iron EN-JS 1030 (GGG-40)
- Stem nut: Brass

## Corrosion protection

- Hydrant head: Internally and externally epoxy coated - additional UV-resistant acrylic varnish on the outside
- Upper part: True enamel on inside, enamel on outside and additional acrylic coating
- Intermediate column: True enamel on inside, enamel on outside and additional acrylic coating
- Base body: Internally and externally epoxy coated

## Versions

- Standard version as described
- DN 80 with 2 upper C-branches
- Further installation depths upon request

## Field of Application

- Underground installation

## Tests and approvals

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



## 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: 1 x B-branch kv 110 m<sup>3</sup>/h, 2 x B-branch kv 140 m<sup>3</sup>/h
  - DN 100: 1 x B-branch kv 140 m<sup>3</sup>/h, 2 x B-branch kv 210 m<sup>3</sup>/h

## Note

For proper installation and safe operation please ensure that you read the installation and operation instructions: KAT-B 1613

## Field of application

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

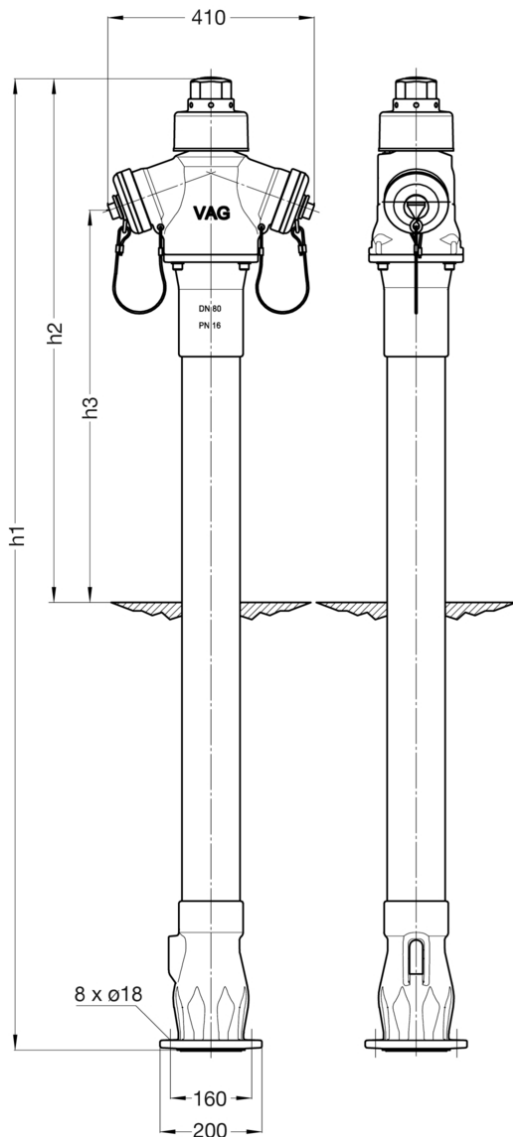
## Pressure test acc. to EN 12266

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

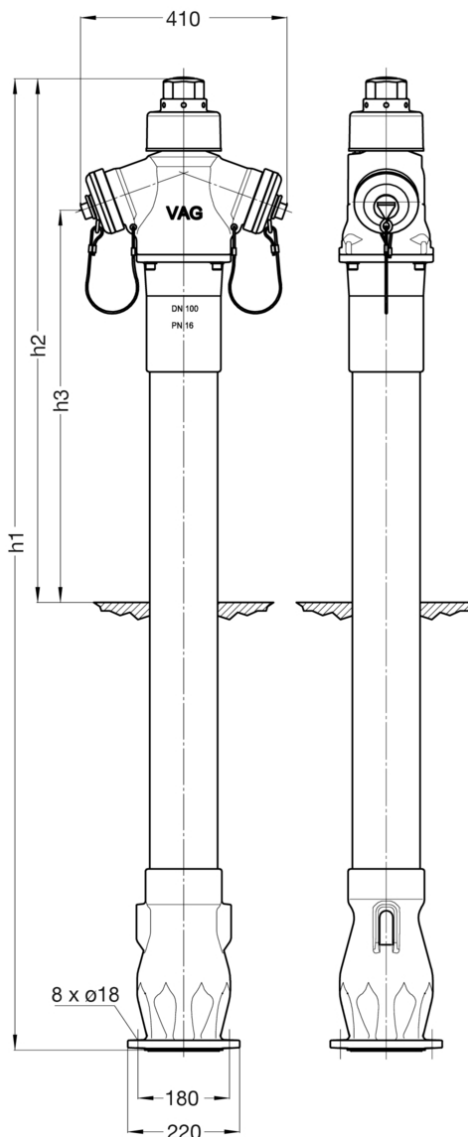


**Drawing**

**DN 80**



**DN 100**



**Technical data**

**PN 16**

DN	80	80	80	80	80	80	100	100	100
B-branch	-	-	-	2	2	2	2	2	2
C-branch	2	2	2	-	-	-	-	-	-
Installation depth [m]	1.00	1.25	1.50	1.00	1.25	1.50	1.00	1.25	1.50
h1 [mm]	1910	2160	2410	1910	2160	2410	1910	2160	2410
h2 [mm]	1030	1030	1030	1030	1030	1030	1030	1030	1030
h3 [mm]	790	790	790	790	790	790	790	790	790
Weight approx. [kg]	62.00	67.00	72.00	62.00	67.00	72.00	64.00	69.00	74.00
Volume [mm]	1910 x 410 x 200	2160 x 410 x 200	2410 x 410 x 200	1910 x 410 x 200	2160 x 410 x 200	2410 x 410 x 200	1910 x 410 x 220	2160 x 410 x 220	2410 x 410 x 220