

# Tunnel hydrant

## with 2 outlets on top of each other

### Construction characteristics

- Working pressure: max. 16 bar (PN 16)
- Complete drainage - residual water zero (RW 0)
- All internal parts made of corrosion-resistant material and can be removed upwards without excavating the hydrant
- Through their vulcanised elastomer sealing profile, the valve plug ensure under pressure protection and tightness in the brass seal seating ring; with the opening stroke of the valve plug (50 mm), the function of the drainage with under pressure protection is positively-controlled
- The head with the outlets can be rotated 360° by loosening the 4 stainless steel bolts
- Flange sized and drilled according to EN 1092-2 | PN 16

### Material | Technical features

**Head and hand wheel:** made of ductile iron, epoxy powder-coated on all sides + external powder-coating on polyester base (UV-resistant) in RAL 3000 (fire red)

**Stand pipe:** **SGG made of steel**, hot-dip galvanised on all sides + external zinc pigment coating

**NGG from stainless steel**, polished

**Hydrant base:** made of ductile iron, epoxy powder-coated on all sides

**Operating pipe:** made of stainless steel

**Valve plug:** made of brass / elastomer

**Spindle:** made of stainless steel

**Rate of flow:** Q (m<sup>3</sup>/h) at a differential pressure of 1 bar is higher than requested by EN14384

**Standard:** **ÖNORM (Austrian standard) F 2010 - EN 14384, EN 1074-6**

**Max. working pressure:** 16 bar (PN 16)

**Residual water:** < EN 1074-6

**EURO-SV**  
**SGG, NGG**  
**No. KR275**



Fig.: NGG version



| Order no. | DN | Outlet |   | Version |     |
|-----------|----|--------|---|---------|-----|
|           |    | B      | C | SGG     | NGG |
| KR275     | 80 | 2      |   |         |     |
|           |    | 1      | 1 |         |     |
|           |    |        | 2 |         |     |

Suitable accessories see page 6

Outlet **B** = System Storz 2½"

Outlet **C** = System Storz 2"

Optional:

- Intermediate piece for additional outlet 2½"
- Other couplings of different national standards on request
- All outlets can be provided with fire cocks

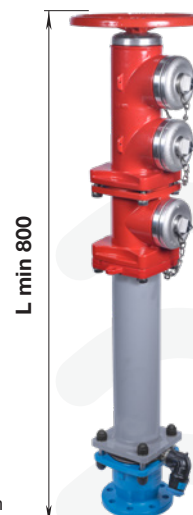
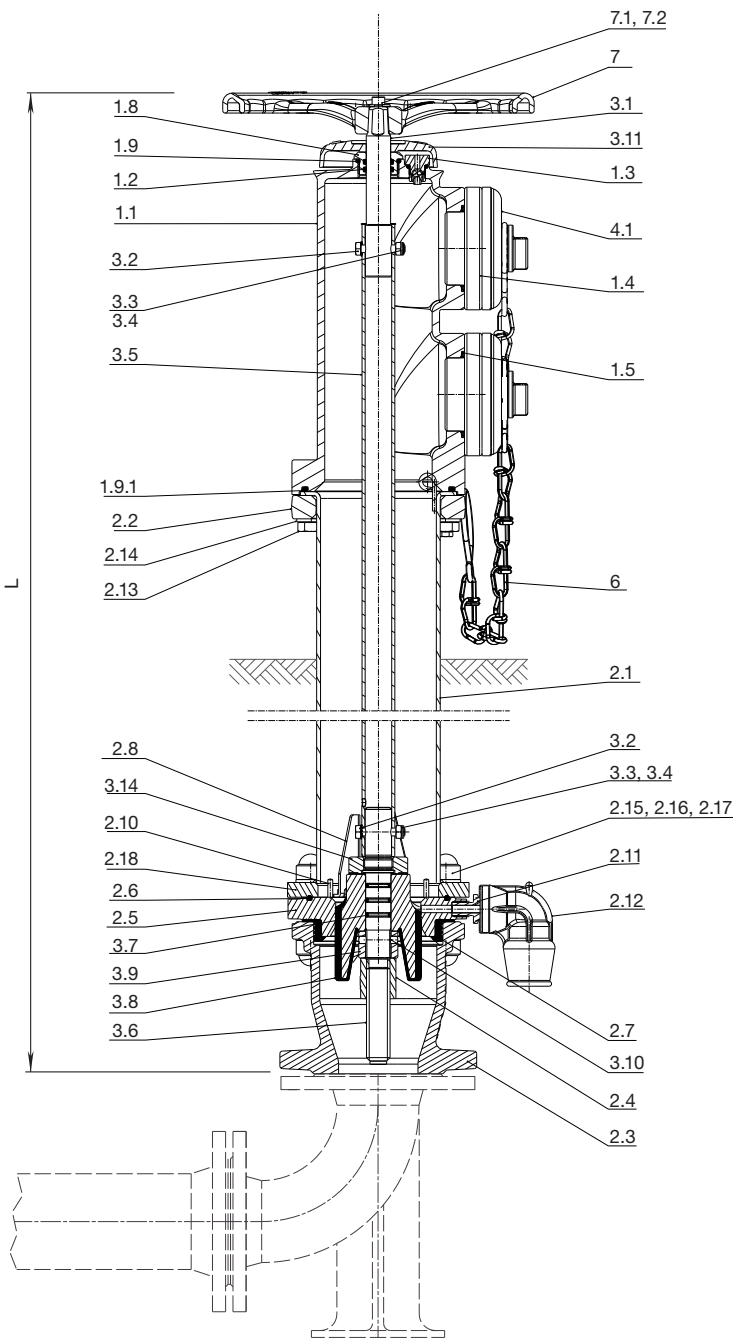


Fig.: SGG version



On order, every height from L min. to max. 3000 can be delivered.

| DN | L min |
|----|-------|
| 80 | 700   |

|       | Parts                                | Material                    |
|-------|--------------------------------------|-----------------------------|
| 1.1   | Hydrant head                         | Ductile iron                |
| 1.2   | O-ring 25x3,5                        | Elastomer                   |
| 1.3   | Air valve                            | POM                         |
| 1.4   | Coupling DIN 14317 - C1 52 mm        | Al                          |
| 1.5   | O-ring 60x5                          | Elastomer                   |
| 1.8   | O-ring bush                          | Brass                       |
| 1.9   | O-ring 38x4                          | Elastomer                   |
| 1.9.1 | O-ring 152x4                         | Elastomer                   |
| 2.1   | Stand pipe SGG                       | Stainless steel, galvanised |
|       | Stand pipe NGG                       | Stainless steel             |
| 2.2   | Flange pair top                      | Ductile iron                |
| 2.3   | Base                                 | Ductile iron                |
| 2.4   | Stem nut                             | Brass                       |
| 2.5   | Sealing seat ring                    | Stainless steel             |
| 2.6   | O-ring 135x5                         | Elastomer                   |
| 2.7   | Sealing ring                         | Elastomer                   |
| 2.8   | Guide bracket                        | Stainless steel             |
| 2.10  | Dowel pin 5x27                       | Stainless steel             |
| 2.11  | Drain nipple                         | Brass                       |
| 2.12  | Drain fitting                        | POM                         |
| 2.13  | Hexagonal bolt M16x45                | Stainless steel             |
| 2.14  | Washer M16                           | Stainless steel             |
| 2.15  | Hexagonal nut M16                    | Stainless steel             |
| 2.16  | Hexagonal bolt M16x90                | Stainless steel             |
| 2.17  | Cap                                  | Elastomer                   |
| 2.18  | Flange pair bottom                   | Ductile iron                |
| 3.1   | Square connection                    | Brass                       |
| 3.2   | Hexagonal bolt M8x45                 | Stainless steel             |
| 3.3   | Lock nut                             | Stainless steel             |
| 3.4   | Serrated lock washer                 | Stainless steel             |
| 3.5   | Operating pipe                       | Stainless steel             |
| 3.6   | Spindle                              | Duplex<br>Stainless steel   |
| 3.7   | O-ring 20,2x3,5                      | Elastomer                   |
| 3.8   | Valve plug                           | Brass, Elastomer            |
| 3.9   | Circlip                              | Brass                       |
| 3.10  | Securing pin                         | Brass                       |
| 3.11  | Cap                                  | Al                          |
| 3.14  | Piston nut                           | Brass                       |
| 4.1   | Cap DIN 14318-C4<br>Cap DIN 14319-B4 | Al                          |
| 6     | Chain                                | Stainless steel             |
| 7     | Hand wheel                           | Al                          |
| 7.1   | Hex. socket head bolt M8x16          | Stainless steel             |
| 7.2   | Washer M8                            | Stainless steel             |