

SUPRA Underground Hydrant PN 16

flange connection



Safety interlock of the subassembly of inner parts.
Design type A - with simple shut-off and self-discharging.
Design type AD - with double shut-off and self-discharging.

OFFER

SUPRA	Execution	Inside Corrosion protection	Nominal Size	Cover depth Rd (m)			
				0,75	1,00	1,25	1,50
Type 180V	A	enamel	DN 80	■	■	■	■
		epoxy resin	DN 80	■	■	■	■
Type 280V	AD	enamel	DN 80	■	■	■	■
		epoxy resin	DN 80	■	■	■	■

Order example: SUPRA type 180V enamel Rd 1,25

DESCRIPTION

Determination

For permanent contact with potable and raw water at admissible working temperature up to 50 °C and admissible working overpressure max. 1,6 MPa.

Application

For fire (extinctive) purposes, air-discharging and flush of pipe network, temporary water taking... AD execution enables inner parts change without interruption of pipeline operation.

Connecting Dimensions

Flanges drilling as per EN 1092-2, type 21, form B. Upper outlet for hydrant stand pipe connection acc. to ČSN 38 9441. Dimensions are stated in the table overleaf.

Materials of Main Parts

Column, plug, and upper outlet are out of ductile iron. Cap is from aluminium alloy, upon request from ductile iron. Bar and stem are from stainless steel CrNi, ball from polyamide, brass stem nut. Hydrants with inside enamel coating have brass plug seat. Hydrants with epoxy resin have plug seat as a part of the column.

Corrosion Protection

Iron parts with inside enamel or epoxy powder coating, outside epoxy resin - blue colour.

Operation

By the help of gate valve key or hydrant key C acc. to DIN 3223. Clockwise closing direction.

Installation and Maintenance

Remove blind flange from connecting flange. Install the hydrant in vertical position on flange of pipe and screw step by step and evenly flange nuts in crosswise way. Sealing ring is pressed into hydrant flange, therefore no other gasket is necessary. Fix drainage piece and earth the pipe. Further details are stated in Instructions KAT 16 10-B.

Testing

Tested with water as per EN 12266-1, leak rate A.

Minimal flow water quantity

At pressure difference in front and behind the hydrant 0,1 MPa is 110m³/hour.

Modifications are possible upon agreement.

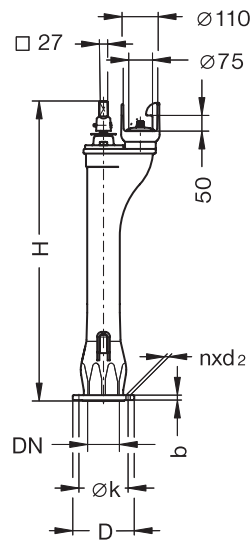
HYDRANTS

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KAT 16 10-A Part 1, edition 2.

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DIMENSIONS (mm)



Execution	Dimension / Nominal Size	DN	65	80	100	125	
A + AD	Total height H for cover depth Rd	0,75 m		527			
		1 m		725			
		1,25 m		975			
		1,5 m		1225			
	Connecting	b		19			
		D		200			
		d ₂		19			
		k		160			
		Holes, off n		8			
		Screw, size		M16			
	Turns / Stroke			8,5			
Weight (kg) for cover depth Rd	0,75 m		30				
	1 m		33				
	1,25 m		36				
	1,5 m		39				

HYDRANTS

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