

INDUSTRIJSKI INŽENJERING

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UNDERGROUND FIRE HYDRANT type PH1

<Two in one = hydrant + isolating pre-valve> <Double reliability = use even when main valve is defective> <high flow: $K_v = 104 \text{ m}^3/\text{h}$ >

Basic technical characteristics:

* Safe = compliant with the requirements of the standard = $C \in C \in C$

- * Purpose: Taking water from underground pipelines for fire fighting and communal needs
- See "Order information" P1/2
- * Flow: Kv= 104 m³/h
- * Moment of activation Mot: max. 30 Nm (Class 1)
- * Weight.....~ ~ (42÷48) daN for Hi (700÷1000) mm
- * Materials:
 - hydrant bodynodular cast / stainless steel
 - spindle and obturator seat.....stainless steel

- sealant......polypropylene/elastomers

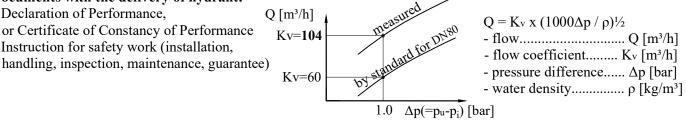
Advantages:

- * Isolation pre valve (2) inside the hydrant, automatic, self-blocking, which enables:
- to omit a separate isolation valve in front of the hydrant,
- use of the hydrant and in case the main valve is defective,
- that the other hydrants remain in operation even when the main valve seal is replaced
- lower cost of procurement and maintenance of the hydrant network.
- * High flow: Kv=104 m³/h
- * Replacing the main valve seal: without digging up the ground and without disassembling the body,
- * The threaded part of the obturator is: out of the water flow, permanently lubricated, maintenance-free throughout its working life,
- * The main valve seal is conical, self-flushing = dirt retention prevented = longer service life of the seal,
- * Great strength of the obturator and the body of the hydrant, MsT > 250 Nm,
- * Easy activation: Class 1, MOT < 30 Nm (max allowed 125 Nm; Class 3),
- * Ability to prevent (5) unauthorized activation,
- * Quick activation: 1 turn until water appears, 8 turns until maximum flow (max. 15 turns allowed),
- * High reliability of the drainage system = two outlet openings, and self-flushing drainage valve,
- * Obtutator tightness even after 1000 activations,
- * The amount of residual water in the hydrant body, < 80 cm³ (max. allowed 100 cm³),
- * Quick drainage, $\leq 5 \text{ min}$ (max. allowed 10 min/m),
- * Easy replacement of seat, main valve (3) and pre-valve (2)
- * Drainage valve (8.1) repair; only partial excavation, and without dismantling the hydrant body.(4)

Documents with the delivery of hydrant:

- * Declaration of Performance,
- * Instruction for safety work (installation,

Flow of hydrant:







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