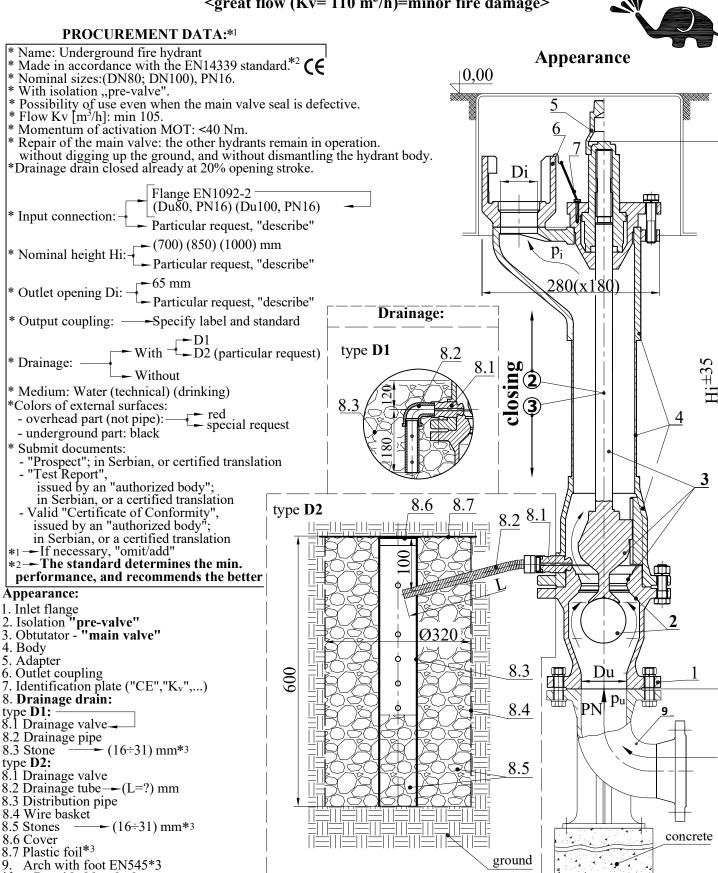


No. 06.23/10.4.1

P 1/2

UNDERGROUND FIRE HYDRANT type PH1

<Two in one = hydrant + isolating pre-valve>
<Double reliability = use even when main valve is defective>
<great flow (Kv= 110 m³/h)=minor fire damage>





Provided by the buyer



No. 06.23/10.4.1

P 2/2

UNDERGROUND FIRE HYDRANT type PH1

<Two in one = hydrant + isolating pre-valve>
<Double reliability = use even when main valve is defective>
<great flow (Kv= 110 m³/h)=minor fire damage>

Basic technical characteristics:

- * Safe = compliant with the requirements of the EN 14339 standard = (€
- * Purpose: Taking water from underground pipelines for fire fighting and communal needs
- * See "Order information" P1/2
- * Flow: Kv= 110 m³/h
- * Moment of activation Mot: max. 30 Nm (Class 1)
- * Weight..... ~ (42÷48) daN for Hi (700÷1000) mm
- * Materials:
- -hydrant body castings..... nodular cast
- -sealants.....polypropylene/elastomers
- -pipe of body, spindle, and obtutator seat..... stainless steel

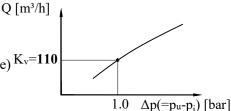
Advantages:

- * Isolation pre valve (2) inside the hydrant, automatic, self-blocking, which allows:
- to omit a separate isolation valve in front of the hydrant,
- the use of a hydrant even when the main valve (3) is defective,
- that the other hydrants remain in operation even when the main valve (3) malfunction,
- lower cost of procurement and maintenance of the hydrant network,
- * Large flow: (Kv= 110 m3/h), minor fire damage.
- * The possibility of using a hydrant (drainage drain closed) at a flow rate of (20÷100)%.
- * Easy activation: (class 1, MOT < 30 Nm) longer service life.
- * Ability (5) to prevent unauthorized use.
- * High reliability of the drainage system = two outlet openings, self-flushing drainage valve.
- * Great closing reliability, impermeability even after 1000 closings.
- * High strength of the closure and hydrant body, MsT > 250 Nm.
- * Very easy hydrant maintenance:
- Replacing the main valve seal (3); without digging up the ground and without disassembling the body (4).
- The threaded part of the closure is outside the flow of water, permanently lubricated, maintenance-free throughout its working life.
- Repair of the drainage valve (8.1); only partial excavation, without dismantling the hydrant.
- Easy replacement of seat, main valve (3) and pre-valve (2).
- The main valve seal is conical, self-flushing = dirt retention prevented = longer service life.

Flow of hydrant:

Documents with the delivery of hydrant:

- * Declaration of Performance, or Certificate of Constancy of Performance
- * Instruction for safety work (installation, handling, inspection, maintenance, guarantee) K_v =110



$$\begin{split} Q &= K_v \; x \; (1000 \Delta p \; / \; \rho) \frac{1}{2} \\ &- \; flow...... \; \; Q \; [m^3/h] \end{split}$$

- flow coefficient...... K_v [m³/h]

- pressure difference..... Δp [bar]

- water density...... ρ [kg/m³]