

No. 05.23/10.4.1

PILLAR FIRE HYDRANT WITH BREAK SYSTEM type LNH2

<Two in one = hydrant + isolating pre-valve>

<Double reliability = use even when main valve is defective> <great flow (Kv= 278 m³/h)=minor fire damage> PROCUREMENT DATA: *1 * Name: Pillar fire hydrant with break system * Made in accordance with the SRPS EN14384 standard, type "A"² * Closing with the main valve "from above". * Nominal sizes DN100, PN16. * With isolation "pre-valve", closing "from below". * With control valve. Appearance * Activation without or with an additional tool. * The possibility of blocking unauthorized use. * Flow (for Di=2x65; Kv=min.270m³/h * Activation moment: MOT=max.65Nm. 5 * Repair of the main valve; the other hydrants remain in operation, without digging up the ground and without dismantling the hydrant. * Drainage system "all outside"; repair without dismantling the hydrant. * Outlets tiled toward the ground for 25°. * Breakage due to force F; no damage to the lower part of hydrant.*3 * Breaking moment M=max.1500daN.*3 Flange EN1092-2 (Du100, PN16) (Du150, PN16) * Inlet connection: Particular request, "describe" (1350) (1550) (1850) mm * Nominal height Hi: Particular request, "describe" * Outlets Di:—— - (2x65+1x100) mm - (2xB+1xA) DIN, system "storz" Drainage system: * Outlet couplings: type D1 Specify label and standard -(D1)(D2) $10.2^{-10.1}$ * Drainage system: -**−**Without cover * Medium: Water _____ (technical)
* Colors of external surfaces: (drinking) - aboveground part (without pipe): - red - special request - underground part: black hole * Warranty period: 5 years. * Submit documents: - "Prospect"; - "Test Report", issued by an "authorized body";
- "Certificate of Conformity", issued by an 10.3 type **D2** 10.6 10.7 *1—If necessary, "omit/add"

*2—The standard determines the min. performance $\overline{\underline{10.2}}^{10.1}$ Appearance: = "the least good allowed" hydrant. 1. Inlet flange 2. Isolation "pre-valve" (closing from below) 3. Obturator - "main valve" (closing from above) **4.1 Place of breaking**, due to the impact of force F 5. Cap (keyless activation) 6. Blocking of unauthorized use 10.3 7. Control valve (safety; sealing) 9. Ident plate ("CE", "Kv",...) 8. Outlet couplings 10.4 10. **Drainage system**: (not defined by the standard) type D1: 10.1 Drain valve 10.2 Drain pipe 10.5 В 10.3 Stone — (16÷31) mm*4 10.1 Drain valve 10.2 Drain pipe \longrightarrow (L=?) mm 10.3 Distribution pipe 10.4 Wire basket*4 10.5 Stone -- (16÷31) mm*4 ground 10.6 Cover 10.7 Plastic foil*4 variant 1 variant 2 11.Arch with foot EN545*4



*4-- Provided by the buyer

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*3 installation



(obligation under the standard)

(4.1)

 $F_{\Delta}=F(1+\frac{b}{2})$

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P 2/2

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Basic technical characteristics:

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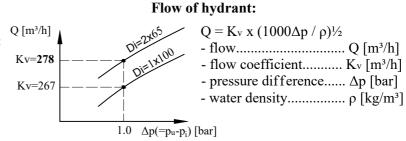
- * Safe = compliant with the requirements of the EN 14384 standard = ()
- * Purpose: Taking water from underground pipelines for fire fighting and communal needs
- * See "Procurement data" P1/2
- * Flow: Kv= 278m³/h, for Di=2x65
- * Activation moment MOT: max. 55Nm, (Class 1)
- * Breaking force F=1350 daN
- * Foundation
- * **Weight** ~ (57÷94) daN for Hi (1350÷1850) mm
- * Materials:
- hydrant body castings nodular cast,
- cap, and output couplings aluminium,
- sealants polypropylene/elastomers,
- pipe of body, spindle, and obtutator seat stainless steel,

Advantages:

- * Two ways of use = double reliability:
 - closing with the main valve (3), from above (regular work),
 - closing with a pre-valve (2), from below (extraordinary work),
- * Isolation pre-valve (2) inside the hydrant, automatic, self-blocking, which enables:
 - that the other hydrants remain in operation even when the main valve (3) malfunction,
 - to omit a separate isolation valve in front of the hydrant,
 - lower cost of procurement and maintenance of the hydrant network,
 - the use of a hydrant even when the main valve (3) is malfunction,
- * Large flow: (Kv=278 m3//h; for Di=2x65); minor fire damage.
- * Control valve (7) = great safety of the executor, prevenstion of hydrant freezing.
- * Activation without additional tools, by turning the cap (5).
- * Easy activation: (class 1, MOT < 55 Nm) longer service life.
- * Possibility of blocking (6) unauthorized use.
- * High reliability of closing reliability; impermeability even after 1000 closures.
- * Outlet tilted (25°) down, longer service life of fire hoses.
- * The main valve seal is conical, self-flushing = dirt retention prevented = longer service life.
- * Very easy hydrant maintenance:
 - Replacing the main valve seal (3); without digging up the ground and without dismantling the body (4).
 - Possibility (7) of checking the correctness of the drain and main valve.
 - Repair of the drainage valve (10.1); from the outside, partial excavation, and without dismantling the hydrant.
- * Long warranty period 5 years.
- * Probably the best, and the most economical hydrant available.

Documents accompanying the delivery of hydrant:

- * Declaration of Performance,
- or Certificate of Constancy of Performance
- * Instruction for safety work (installation, handling, inspection, maintenance, warranty)





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