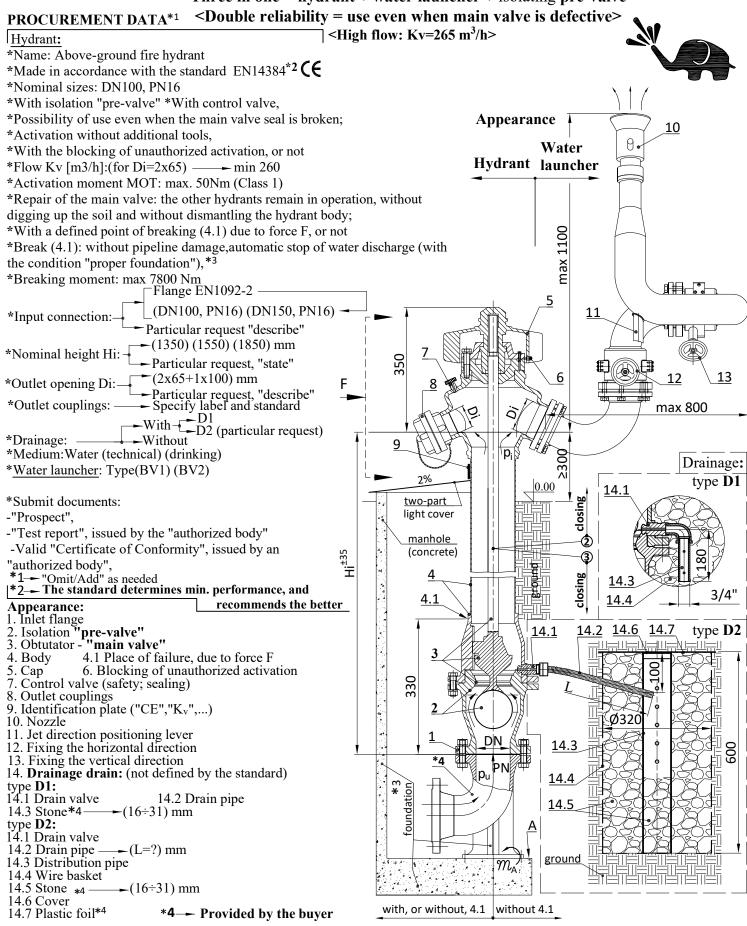


MONITOR type MNH2

No. 07.23/10.4.1

<Three in one = hydrant + water launcher + isolating pre-valve>





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MONITOR type MNH2

No. 07.23/10.4.1

<Three in one = hydrant + water launcher + isolating pre-valve>
<Double reliability = use even when main valve is defective>
<High flow: Kv=265 m³/h>



Basic technical characteristics:

Water launcher:

Load scheme

(4.1)

F=M/a

 m_{A} =Fxb

 $F_A = F$

* Safe = compliant with the requirements of the standard EN 1438	4 = (E	type BV 1	type BV 2
* See "Procurement data" L1/2 * flow: Kv= 265 m³/h, for Di = 2x65 * moment of activation Mot<45 Nm, Class 1 * moment of breakage (at point 4.1) due to force F M=7500 Nn * foundation	 nominal openingsDi = 65 mm nominal pressurePN choice of jet shape choice of jet directionverticall fixing the selected jet position weight40 daN materials: 	N 16 bar lly / horizontally	
- hydrant bodynodular cast / stainless steel - spindle and obturator seatstainless steel - sealantspolypropylene/elastomers - cap, and outlet couplingsaluminium	- nozzl	nts	aluminium

Advantages:

- * Isolation pre-valve (2) inside the hydrant, automatic, self-blocking, which enables:
 - use of the hydrant and in case the main valve (3) is broken,
 - that the other hydrants remain in operation even when the main valve seal is replaced
 - automatic stop of water leakage, in case of breakage(4.1) due to force F,
 - to omit a separate isolation valve in front of the hydrant,
 - lower cost of construction and maintenance of the hydrant network.
- * High flow: $Kv=265 \text{ m}^3/\text{h}$, for Di=2x65

Hydrant:

- * Replacing the main valve seal(3): without digging up the ground and without disassembling the body(4),
- * The threaded part of the obturator is: out of the water flow, permanently lubricated, maintenance-free throughout its working life,
- * Prevented damage to the supply pipeline = breakage at point 4.1, due to force F,
- * Activation without additional tools, by turning the cap (5) on top of the hydrant,
- * Possibility of blocking (6) unauthorized activation
- * The main valve seal is conical, self-flushing = dirt retention prevented = longer service life of the seal,
- * High strength of the obturator and body of the hydrant, MsT > 250 Nm,
- * Easy activation: Class 1, MOT < 45 Nm (max allowed 130 Nm; Class 3),
- * Quick activation: 1 turn until water appears, 10 turns until maximum flow (max. 15 turns allowed),
- * High reliability of the drainage system = two outlet openings, and self-flushing drainage valve
- * The possibility (7) of easy control of the correctness of closing and draining.
- * Obturator tightness even after 1000 activations,
- * Amount of residual water in the body of the hydrant, < 80 cm³ (max. allowed 150 cm³),
- * Fast draining, ≤5 min (permitted max. 10 min/m),
- * Easy replacement of seat, main valve (3) and pre-valve (2)
- * Drain valve repair (14.1); from the outside, partial excavation, and without dismantling the hydrant body.(4)

Documents with the delivery of hydrant:

* Declaration of Performance,

* Instruction for safety work (installation, handling, inspection, maintenance, guarantee) Kv=265

Q [m³/h] Di=2x65 Kv=265 Kv=140 1.0 Δp(=p_u-p_i) [bar]

Flow of hydrant:

- water density...... ρ [kg/m³]



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