

Installation manual

Above ground hydrant

Telescopic hydrant preparation for the installation. Installation and use.

General requirements for the installation of fire hydrants.

Fire hydrant has to be installed according to local standards for water piping systems. Above ground and underground fire hydrant has to be installed at least 1 m away from the building. Fire hydrant must be installed 2.5 m away from the edge of the roadway. Hydrant connection with water pipes are made by T. If hydrant is placed in the well then connection has to be made with metal T. Above ground and underground insulated hydrant installation can be made with plastic T only if there is no tension in the T, and as a result of the tension, the T will not brake. Above ground hydrant connection to water pipes can be made with saddles only if the diameter of the water pipe is larger than DN 100. Hydrant may be installed only if the diameter of the water pipe is a minimum of DN 100. Otherwise, the amount of water passing through the hydrants is not enough.

Above ground hydrant installation

Before installation, make sure, that hydrant gate valve opens and closes! Choose a suitable tool and turn spindle extension from upper sleeve and watch the opening and closing!

Above ground hydrant must be installed so that the fittings for hoses and the spindle extension upper sleeve which is covered with a protective red cover must remain above ground. Above ground hydrant connections to water pipe line can be made with T or saddle. There is no need to build well. Above ground hydrant automatic drainage valve has to be connected with drainage pipe, to ensure the discharging of the hydrant water pipe after closing the gate valve (View Installation instructions of drainage pipe). Surrounding of the hydrant must be filled with sand or soil without stones and has to be compacted. Hydrant surrounding must be compacted to the part where the hydrant is wider.

Hydrant installation distance determination:

1. Measuring distance (mm-s) Hydrant connected pipe flange center to the ground (H1)

2. Measure the hydrant installation height H.

Telescope hydrant is prepared by the manufacturer of the maximum length. Hydrant can only be adjusted up to 300 mm shorter.

3. In case:

- Installed hydrant mounting height H is greater than H1 but not more than 300mm, then must shorten hydrant between the height difference ($H=H1$)
- If installation height H1 does not fit between min or max +300mm, then hydrant shall not be installed,

4. If necessary, regulate the length of the hydrant :

- Mark below the catching (3.3) onto the plastic pipe (2) required measurement, which must be reduced by the length of the hydrant
- Loosen the quick coupling flange (3) fasteners and remove them with washers
- Push down metal flange (3.1), it releases the rubber ring (3.2) and a plastic blue catching
- Move the catching to the marked place (to ease the move stretch it slightly)
- Move the rubber ring tightly against catching
- Push down the stainless steel raising pipe (1) with spindle extension until riser pipe relies against the rubber ring
- Lubricate the thin layer of grease onto the rubber catching
- Rais up metal flange onto the rubber catching
- Insatall the fastening bolts washers and nuts.
- Tighten the bolts crosswise with force 40-50 Nm

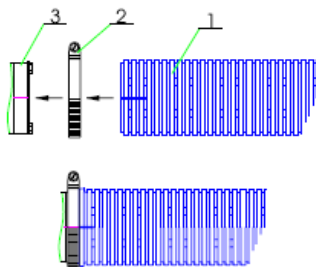
After adjustment, check , hydrant gate valve opens and closes! Turn spindle extension from the upper sleeve and make sure the gate valve is moving!

Attention!

Closing the hydrant valve should not be used greater force than 200 nM!

Installation of drainage pipe

With Insulated and above ground hydrants Eccua adds the drainage pipe kit, wich includes plastic drainage pipes and stainless steel pipe cover (View figure position 1 and 2)



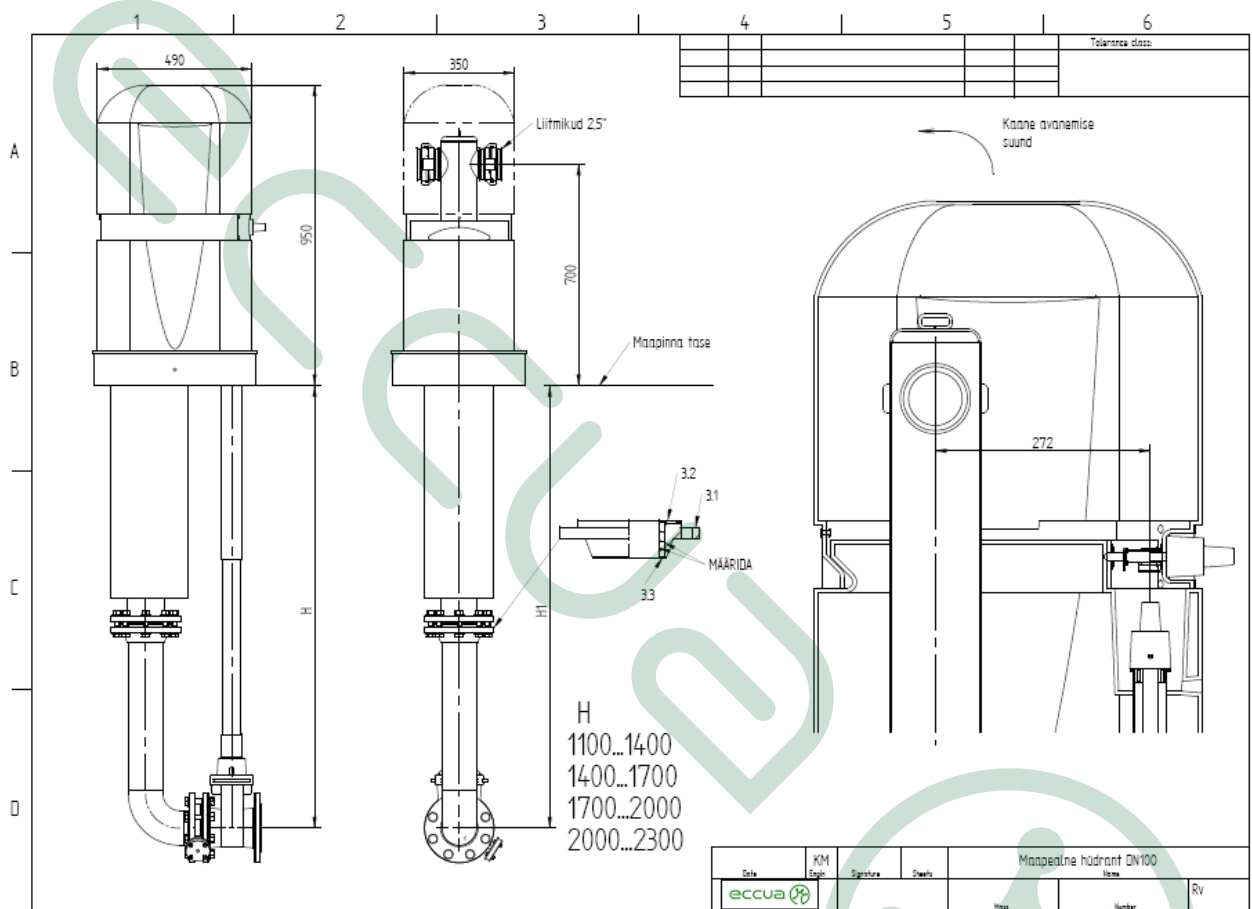
Drainage pipe must be installed separately because drainage pipe can be injured during transport if it is connceted with hydrant. Drainage pipe installation is as follows: Drainage pipe end (1), (wich will be connected to the hydrant) has to install the clamp (2). Then the end of the drainage pipe is pushed to Drainage valve (3) wich is attached to the hydrant. In order that the drainage pipe does not slip off the valve, has to tighten the clamp

Finally, drainage pipe must be turned around the fire hydrant and surrounded with brakestone to secure the hydrant water runoff after closing the hydrant gate valeve

Drainage pipe may not be covered with sand because it clogs drainage and drainage stops working.

Hydrant use

Remove the protective cover from the hydrant. Connect hoses with couplings. Make sure that the hoses are connected properly and then open the gate valve using the spindle extension. After using the hydrant, first have to close the gate valve secondly remove the hoses from couplings. Install the protective cover onto the hydrant



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Eccua OÜ, Harku tee 3560, 76901 Tabasalu, Harjumaa 09	Eccua OÜ, Harku tee 3560, 76901 Tabasalu, Harjumaa 09
EN 14384:2005 Sambakujuline tuletõrjehüdrant DN 80	EN 14384:2005 Sambakujuline tuletõrjehüdrant DN 100
<p>Maks. siibri avamise moment: MOT 125 Nm, MST 250 Nm Avamise pöörete arv: 20 Surnud pöörete arv: 1 Sulgemise suund: Päripäeva Tüüp: A Hüdrandi veest tühjenemise aeg: 4,1 min / 1m Sissejääva vee kogus: 2 ml Hüdrauliline karakteristik: Kv >80 Ühendus veevõrguga: EN 1092-2 Tuletõrjehüdrandi väljundid: GOST 28352-89 tüüp 80 liitmikud Hüdrandi avamiseks kasutatav vahend: Võti Hüdrandi korrosiooni kindlus: Tagatud Hüdrandi kasutatavus alla 0 °C: Tagatud</p>	<p>Maks. siibri avamise moment: MOT 125 Nm, MST 250 Nm Avamise pöörete arv: 20 Surnud pöörete arv: 1 Sulgemise suund: Päripäeva Tüüp: A Hüdrandi veest tühjenemise aeg: 4,98 min / 1m Sissejääva vee kogus: 2 ml Hüdrauliline karakteristik: Kv >140 Ühendus veevõrguga: EN 1092-2 Tuletõrjehüdrandi väljundid: GOST 28352-89 tüüp 80 liitmikud Hüdrandi avamiseks kasutatav vahend: Võti Hüdrandi korrosiooni kindlus: Tagatud Hüdrandi kasutatavus alla 0 °C: Tagatud</p>

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Eccua OÜ, Harku tee 3560, 76901 Tabasalu, Harjumaa 09
EN 14384:2005 Sambakujuline tuletõrjehüdrant DN 150 Maks. siibri avamise moment: MOT 125 Nm, MST 250 Nm Avamise pöörete arv: 28 Surnud pöörete arv: 2 Sulgemise suund: Päripäeva Tüüp: A Hüdrandi veest tühjenemise aeg: 4,98 min / 1m Sissejääva vee kogus: 0,0 ml Hüdrauliline karakteristik: Kv >140 Ühendus veevõrguga: EN 1092-2 Tuletõrjehüdrandi väljundid: GOST 28352-89 tüüp 80 liitmikud Hüdrandi avamiseks kasutatav vahend: Võti Hüdrandi korrosiooni kindlus: Tagatud Hüdrandi kasutatavus alla 0 °C: Tagatud



**Vastavusdeklaratsioon**

Vastavalt Ehitustoodete direktiivile 89/106 EEC

Tootja: Eccua OÜ, Harku tee 3560, 76901 Tabasalu, Harjumaa

Toode: Sambakujuline tuletõrjehüdrant DN80
Sambakujuline tuletõrjehüdrant DN100
Sambakujuline tuletõrjehüdrant DN150

Kasutusala: Maa-pealne tuletõrjehüdrant

Toote standardid:

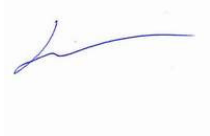
1) EVS-EN 14384: 2005

Käesolev deklaratsioon põhineb Vastavussertifikaadil nr. 1527-CPD-0001, mis on välja antud Sertifitseerimisbüroo EstCert OÜ, aadress Betooni 15 / Paneeli 5, Tallinn 11415, poolt

Käesolev deklaratsioon on esmakordselt avaldatud 20.12.2007 a. ja kehtib kuni eelpoolmärgitud nõudeid oluliselt ei muudeta, hiljemalt 20.12.2012 a.

Eccua OÜ kinnitab, et meie poolt toodetud sambakujulised tuletõrjehüdrandid vastavad standardile
EVS-EN14384: 2005 ja Eccua OÜ järgib antud standardi poolt kehtestatud kvaliteedikontrolli.

Eccua OÜ



Karl Allikson
Tootmisjuht

Tootja:

Eccua OÜ

Harku tee 3560

76901 Tabasalu, Harjumaa

e-mail: myyk@eccua.ee