

Installing a trough supply

This sheet explains what you need to do to pass a water regulations inspection required for a 25mm/32mm agricultural trough supply.

1. To prevent damage and loss of water, the trough needs to be installed on a levelled hard standing/concrete base.
2. When installing the trough, please ensure it has a rigidly fixed float operating valve and also a removable lockable cover to protect the internal pipework
3. The minimum air gap (Type AA) between the inlet point and the overflow level needs to be 20mm or twice the diameter of the inlet pipe (or whichever is greater).
4. The depth of the service pipe should be between 750mm minimum and 1350mm maximum.
5. Include isolation valve requirements if needed
6. The pipe material needs to be either MDPE or barrier pipe. This will be highlighted on the customer sketch attached to the quote.
7. The service pipe must be insulated and ducted from where it raises from 750mm to the ground level. The duct should be a continuous non perforated duct at least 4" in diameter.
8. From where the pipe comes out from the ground level to the trough inlet, the pipe needs to be insulated in a 19mm thick closed-cell insulation material.
9. All above ground pipework needs to be securely fixed in a housing to avoid any damage from livestock.
10. Where the plot boundary meets the highway - as illustrated in the quote sketch - a suitable mechanical cap end should be fitted to prevent ingress and contamination of the service pipe. This cap end must be fitted when you install the pipe.
11. All fittings utilised for installing the service pipe and onward plumbing system must comply with Section 4 of the Water Supply (Water Fittings) Regulations 1999.

