

Open Potable Water Feed – Mains Water Back up

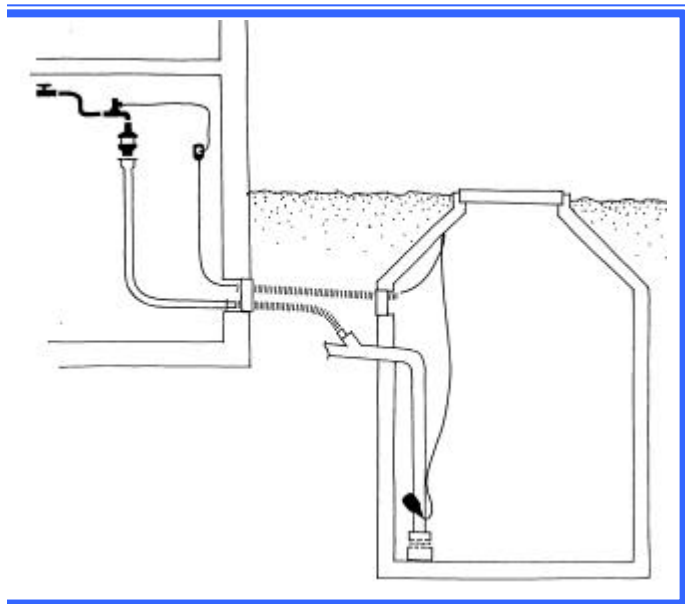
A mains water back up supply is supplied with the Tri-cel Rainwater Harvesting System to maintain un-interrupted supply of water to the services. Sporadic rainfall and unexpected peaks in demand may result in rainwater shortages. The open potable water feed ensures constant supply of water. To prevent excessive mains back up water entering the tank, it is equipped with a float switch to minimize the amount of back up water supplied. The gap on the funnel provides the AA air gap to comply with British Standards BS8515.

It consists of stainless-steel tundish with laminar flow device for splash-free filling, solenoid valve with connecting cable and electric plug, connecting hose with a stainless-steel braiding, brass ball valve with dirt trap of stainless-steel (mesh size 0,65 mm). Available from ½“ to 2”.



Connection	Water feed amount by a pressure of 3 bar	Connecting tube	Inlet funnel
½ “	2.64 m3/h	50 cm	DN 50
¾”	6.48 m3/h	50 cm	DN 50
1”	8.64 m3/h	75 cm	DN 70
1 ½”	20.52 m3/h	75 cm	DN 100
2”	34.92 m3/h	100 cm	DN 100

Installation Guidelines



Installation:

Please refer to diagram for ½ “ Open Potable Water Feed. When installing the water feed set, it is absolutely necessary to ensure that the *open outlet* is in the vertical position.

The *open outlet* must always be installed vertically to the theoretical water backlog level. Only in this installed position is an operation of the open potable water feed as an ****OPEN OUTLET**** possible.

The description of the vertical position of the open outlet is as follows:

Mains water connection “at the TOP” Funnel outlet with outside Ø 50 mm / 2” pipe “at the BOTTOM”, whereby the mains water connection and the funnel outlet are vertical to each other (see diagram above left). The outflow of the *open outlet* should be aligned and mounted with sealed pipe collar and outside Ø 50 mm pipe. The slow-down plumb-line of the pipe DN 50 / 2” to the *open outlet* must have a length of at least 300 mm. Under no circumstances should the *open outlet* be installed in an area where the open overflowing of tailback from non-drinking water over the funnel edge is impeded or could be impeded.

Furthermore, the *open outlet* must be installed to allow possible overflowing water from the *open outlet* direct access to the drainage system. This means that the overflowing water from the *open outlet* must not be compelled or caught in a separate container but should flow directly into a ground level drain.