



DAMSAK ACKNOWLEDGEMENT FORM – to qualify for warranty

TOP CENTRE PIPE (fitted to ALL bladders from 50 000L and smaller)

This is a BREATHER pipe (80mm) as well as a “CAPACITY REGULATOR”, or “overflow pipe”. IT MUST REMAIN OPEN AT ALL TIMES, for the following reasons:

- AS A BREATHER PIPE: this pipe allows air to escape as the bladder is filled.
- AS A CAPACITY REGULATOR (or overflow): this pipe allows the bladder to overflow when the working stress of the material is reached. At this point, the water will start overflowing from this pipe, meaning that the bladder has reached it’s maximum capacity. Do not allow the *Damsak* to fill beyond this point, which may result from coupling something to or modifying this connector.

TWO TOP PIPES (fitted to ALL bladders from 100 000L and larger)

The top centre pipe remains a BREATHER PIPE only (80mm), as stated above.

The second pipe, roughly 3m off centre, becomes the “capacity regulator/overflow pipe” mentioned above. We install this configuration on all large bladders as a safety precaution.

BOTH OF THESE PIPES MUST REMAIN OPEN AT ALL TIMES while filling or extracting.

BOTTOM TANK CONNECTOR

- We always recommend using a bottom tank connection to fill and extract from on larger bladders as opposed to a side flange connector, in order to reduce lateral movement normally experienced using a side connector, and therefore reducing wear and tear on the connection point.
- When placing your order, please specify the type of pipe you will use as your feeder pipe under the bladder from your borehole (either LDPE, HDPE, or PVC), and also please specify the diameter of the pipe so that we can supply the compatible diameter bottom connector.

INSTALLATION WARNINGS:

- Surface preparation – the ground must be free of small stones, preferably levelled with a 30mm blinding layer of clean sand. It must be LEVEL with less than 70mm variance from one end to the other.
- Once the feeder pipe is connected to the bottom 90 degree bend and tank connector, the ground around the pipe **AND around the bend/connector MUST be hand compacted, after levelling off**
- For a standard 80mm breather/overflow top pipe, **MAXIMUM FLOW RATE INTO THE BLADDER SHOULD NOT EXCEED 20kl/h**. If you need a higher flow rate to fill, we need to increase the size of the top overflow pipe (a table with flow rates available on request).
- **DO NOT ADD ONTO OR MODIFY THE TOP PIPES IN ANY WAY**
- **Sometimes a micro leak may be noticed, like a pin hole. This is fairly normal and can be easily plugged by injecting normal PVC weld into the hole, whilst the bladder is full.**
- In areas where temperatures exceed 40 degrees, or in instances where FRAS or TPU is used (fire resistant anti static, or thermoplastic polyurethane) each Damsak MUST be painted white, using Duram “Primex” primer and Duram “Cooltek” roof paint. This will extend the life time of the bladder. Shade cloth over the bladder can be used as an alternative measure of protection but with a minimum of 90% shade cloth.

I CONFIRM THAT I HAVE READ THE INFORMATION ABOVE AND UNDERSTAND THE GUIDELINES

SIGNED BY.....ON THIS.....DAY OF.....20.....