

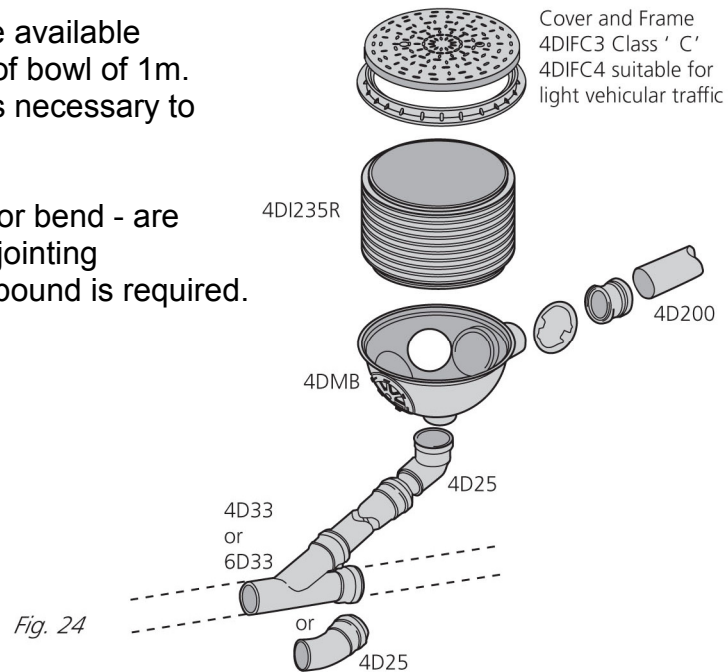
Polypipe Terrain Marscar Bowl Installation Guide

Marscar system

The **4DMB Marscar Bowl** has 4 inlet options. One is open, the other 3 are blanked off with removable caps (Fig. 24). An additional 2 inlets may be cut into the bowl if required.

Up to 3 raising pieces (4DI235R) are available to achieve a maximum invert depth of bowl of 1m. The final raising piece may be cut as necessary to reach precise height required.

All items - outlet, pipework, junction or bend - are assembled using standard 'push-fit' jointing procedures. No special sealing compound is required.



Design

The bowl may be rotated in any direction to suit lateral connections, even against the flow.

The four pre-cut inlets are each adjustable by varying degrees to accommodate pipe runs.

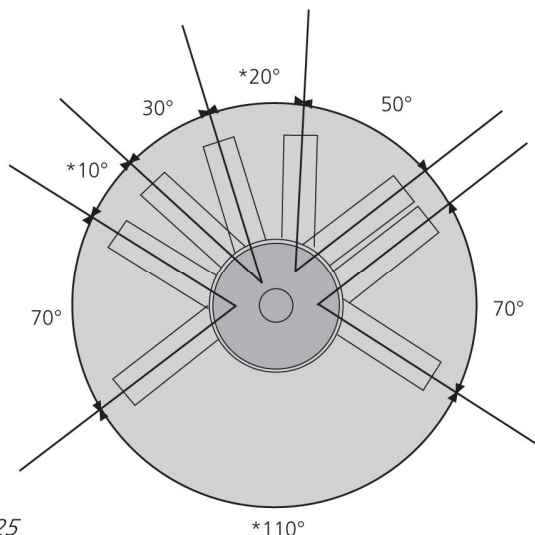
* For areas outside adjustment and to overcome changes in vertical angle or entry when rotating the pipe:

Either

- 4DV40 Variable Bend may be used

OR

- 4D25D Bend 45° will achieve maximum adjustment to align inlet with pipe runs



TERRAIN

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Optimum cleansing of bowl

To achieve optimum cleansing of bowl, the inlet should be orientated to create circular flow (Fig. 26a).

The desired angle of entry may be achieved by rotating the bowl and using an additional bend (up to 45°) to align with branch drain (Fig. 26b).

Inlet(s) positions which will cause flow directly across the bowl should be avoided (Fig. 26c).

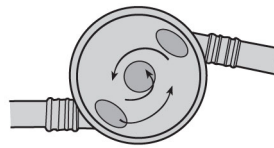


Fig. 26a

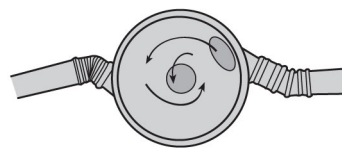


Fig. 26b

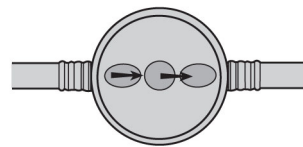


Fig. 26c

Invert depths and drop-out pipe lengths

The following tables allow assessment of invert depths (Fig. 27), effective lengths of drop-out pipe, and linear displacement for Marscar bowl installation.

Drop-out pipe lengths

Depth*	B: Drop-out pipe effective length		
mm	110mm bend mm	110mm junction mm	160mm junction mm
220	0	n/a	n/a
500	460	355	290
750	815	710	640
1000	1170	1065	995
1250	1525	1415	1350
1500	1875	1770	1700
1750	2230	2125	2055
2000	2585	2475	2410

* Depth from invert of bowl to invert of pipe

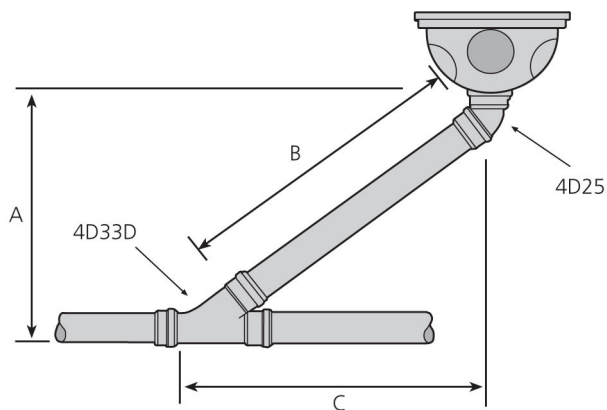


Fig. 27

Note: Linear displacement 'C' is approx the same as the 'A'