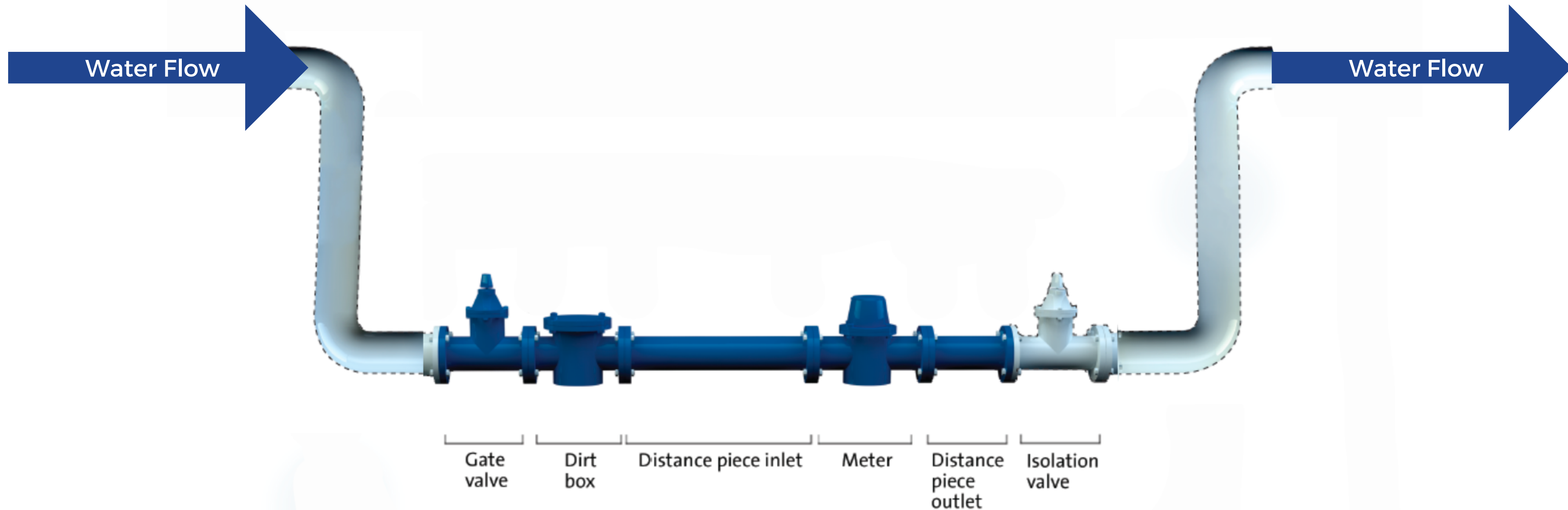


BULK FLOW METERS INSTALLATION BEST PRACTICES



INSTALLATION DIAGRAM- BFM



INSTALLATION PROCEDURE

1. Preparation: first step is to identify a secure location on the supply line for the wolt-man meter installation. The installation area should be visible, away from usual footfall, preferable ot install the meter away from direct sunlight wherever possible to avoid adverse effects ni future due to UV radiation etc.
2. The supply line should be cleared of any debris or dirt or suspended particles that may be present in the line. This is a prerequisite before any type of flow meter installation.
3. The water meter wherever possible, ideally should be installed approximately 100mm below the service/supply line to ensure that some amount of water always stays trapped in the water meter's measuring chamber, it is pertinent to specify that the measuring chamber should not dry up. Since the moving parts in measuring chamber coming in contact with water cannot be artificially greased being used ni drinking/potable water supply and the only lubricant used by default is water/moisture itself to avoid friction. This simple method will ensure faultless & accurate functioning of the water meter unit during its expected lifespan.

4. Alternate arrangement in cases where the installation cannot be done below service line: in such cases an arrangement, be made to provide the desired U shape cradle to trap water/moisture by raising the pipe from the service line to a height suitable enough to provide ample scope for establishing the cradle shape to ensure dampness at all times in the measuring chamber. .Optionally a non-return valve, an air release valve, an external strainer, shutoff valve etc. as desired in the department's mandatory schematics may be installed leaving a distance of 10 time of nominal dia. of the water meter from the water meter itself.

5. The wolt-man or any type of water meter requires laminarity of water flow for accurate recording of flow and for an un-ambiguous reading. To achieve laminarity it is strongly recommended to leave straight lengths which should be 10 times of the diameter of the flow meter e.g. for a flow meter of 100mm DN the straight length each side of the meter to be kept straight should be 1000mm.

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