ADS PrimeProbe®2 powered by Primayer

Precautions and Switch-on of the ADS PrimeProbe2

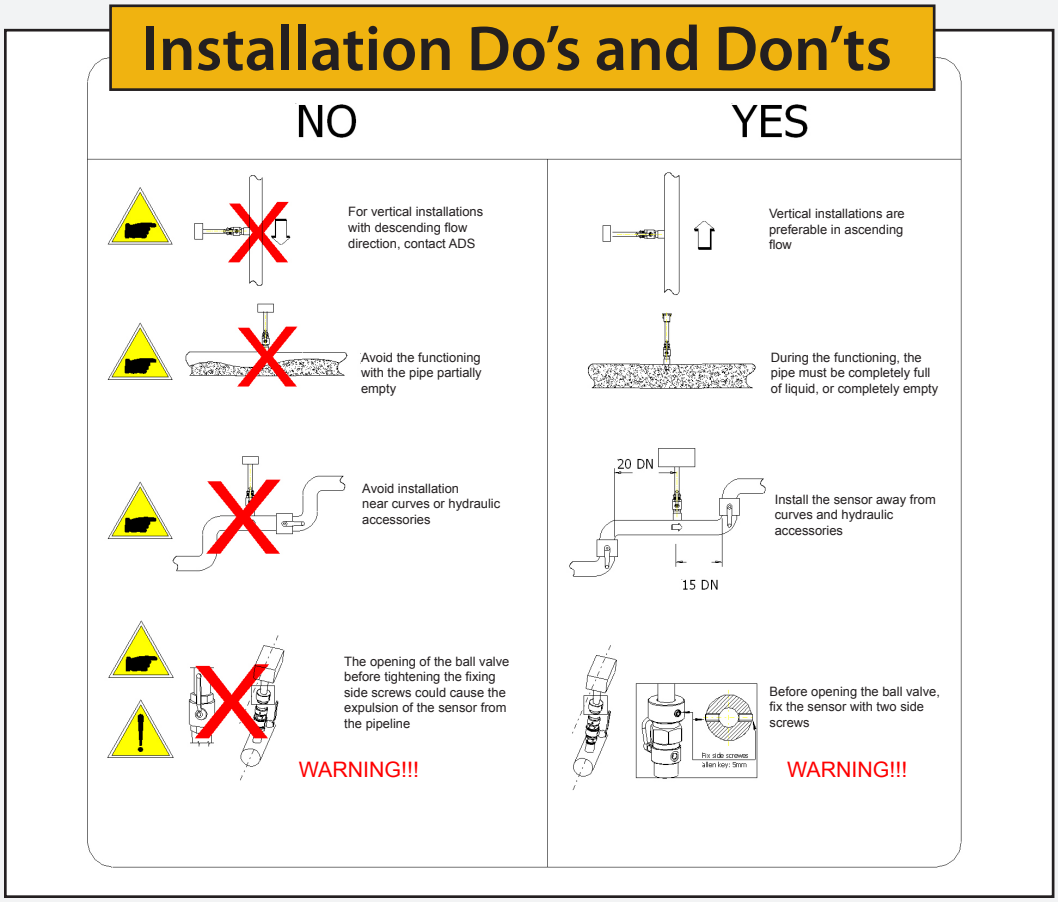
The ADS PrimeProbe®2 is a bi-directional insertion flowmeter for use in managing water distribution systems. It has no moving parts making it reliable and ideal for use over a wide range of flows. PrimeProbe2 is suitable for use in pipe sizes from 4" to 48" (larger sizes available upon request).

Safety and Precautions

Please read these instructions carefully as they contain important safety information. PrimeProbe2 must be used for the specified application - improper use or tampering will invalidate the warranty. ADS is responsible only if used in original product configuration.

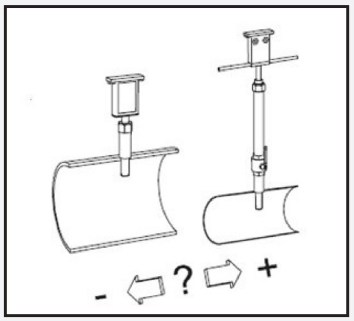
- The PrimeProbe2 should be installed away from any bends or hydraulic fittings. For best results, it should be installed with at least 25 pipe diameters of straight unrestricted pipe upstream of the sensor, and 10 pipe diameter downstream of the sensor.
- For correct operation, the pipe must be completely full of water. It is not necessary that the probe be installed vertically. But must be installed at 90° to the pipe.
- **Before inserting the probe, ensure the safety chain is correctly secured at both ends.** Pipes are under pressure - failure to tighten the locking collar and connect the safety chain could cause the probe to be forced upwards with potential injury to the user.
- **Important** – Fully tighten all screws as water ingress can occur.

Installation Do's and Don'ts



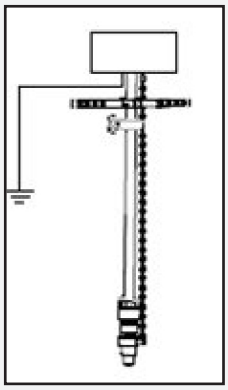
Flow Direction

Before completion of installation, confirm the direction of the flow of liquid in the pipe. Using the nameplate as a reference, flow direction is positive when the flow direction is from – to +.



If the flow direction is reversed after installation, it is sufficient to reverse the sign of the **KA Factor** (refer to operating manual "Programming the Converter"). However, it is preferable to reverse the probe by rotating through 180 degrees.

Grounding the Probe



For accurate results, it is necessary that the probe and the liquid are both at the same potential. To achieve this always connect the sensor to the earth. On pipes with cathodic protection, please contact ADS for advice.

IMPORTANT NOTE:

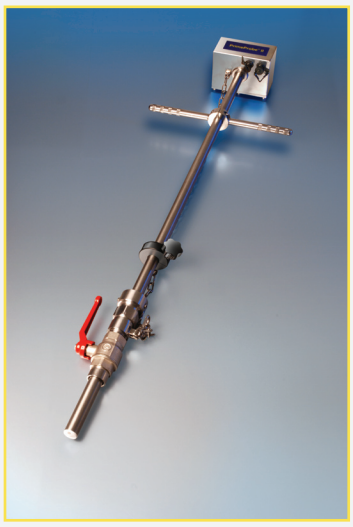
Fluctuating flow-rates are usually an indication of a poor earth connection, excessive vibration or electrical noise on the pipe.

Switch-on and Off

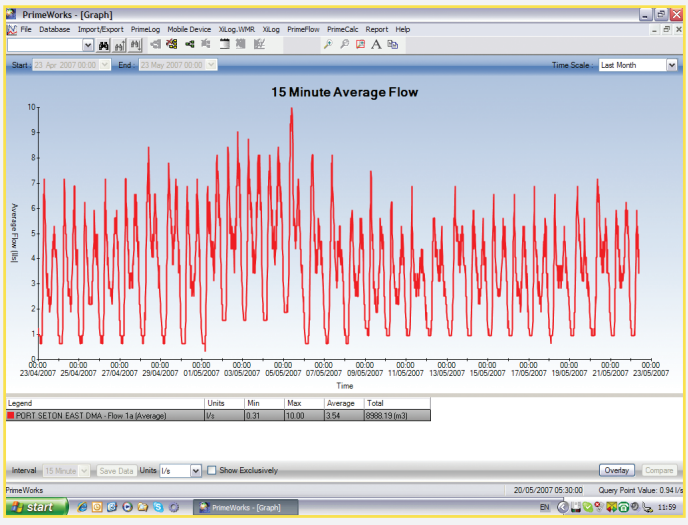
When installation is complete the PrimeProbe2 must be switched ON to take it out of Sleep Mode, as described below. See Operating Manual for further details.

1) Launch the ***PrimeWorks*** software. Connect the PrimeProbe2 to the software using the communications cable. In ***PrimeWorks*** select the PrimeProbe2 - Wake up menu option. The software will initiate communications with the PrimeProbe2 to bring it out of Sleep mode. The probe is now ready for use.

2) Upon completion of usage it is recommended that the probe is returned to Sleep Mode by selecting Primeprobe2 - Sleep in ***PrimeWorks***.



PrimeProbe2 bi-directional insertion flowmeter.



PrimeWorks software reflecting 15-minute average flow rate.

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The ADS PrimeProbe2 Operating Manual can be Downloaded Online at **www.adsenv.com/manuals.**

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