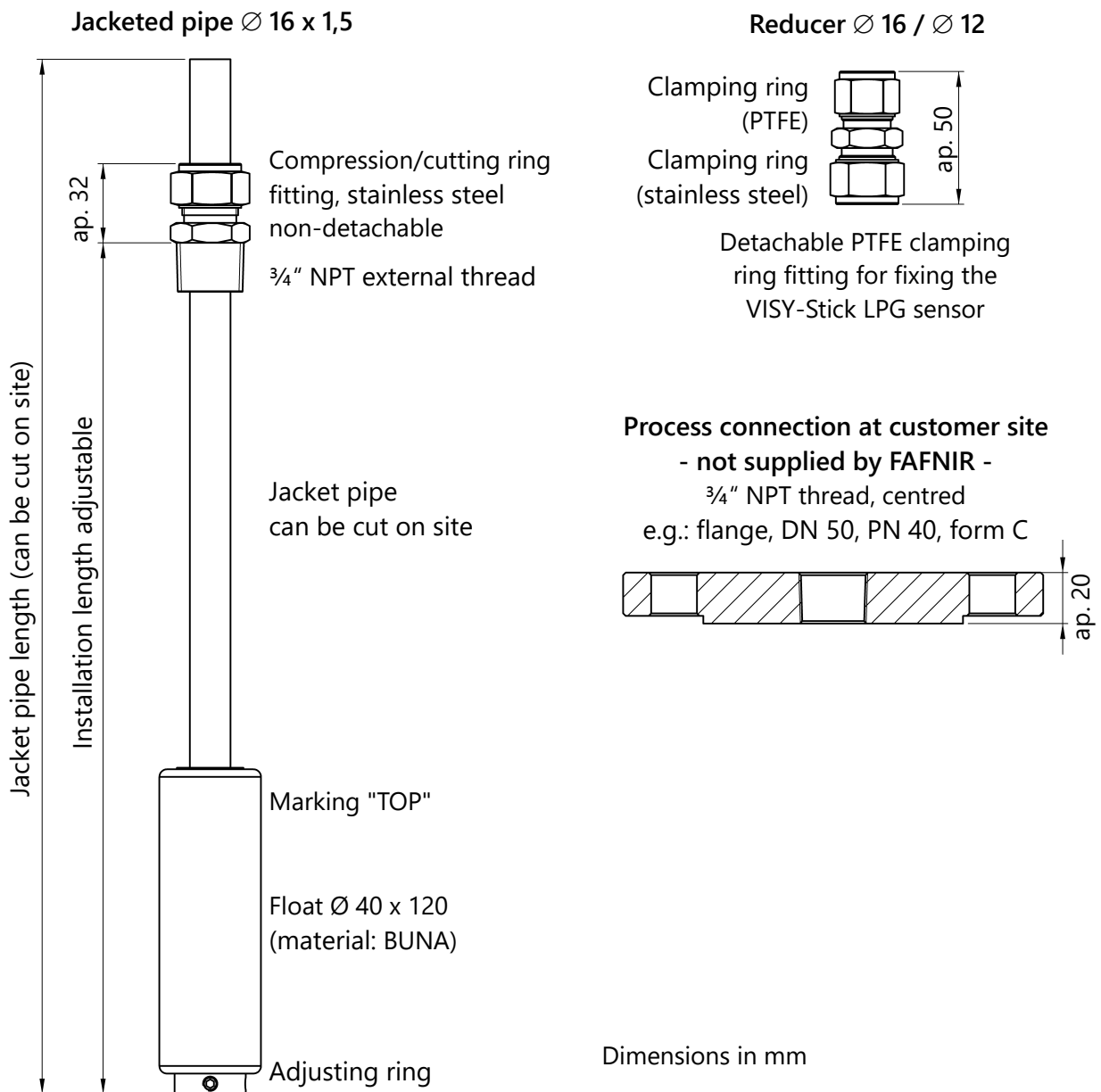


## Variable LPG Installation Kit for Liquid Gas Containers

The Variable LPG Installation Kit has been developed for FAFNIR sensors to measure the level in LPG tanks without having to mount the sensor directly in the tank. This allows to install and to remove the sensor without having to open the tank every time.

The Variable LPG Installation Kit consists of a jacketed pipe with an LPG float (BUNA), a compression/cutting ring fitting (non-detachable) with 3/4" NPT external thread for process connection, and a reducer with PTFE clamping ring fitting (detachable) for fixing the VISY-Stick LPG sensor (see figure below).



- (1) The sensor must be able to stand on the bottom of the jacketed pipe (jacketed pipe and reducer must be shorter than the probe tube), cut the jacketed pipe if necessary.
- (2) Screw the sealed cutting ring fitting in the flange (min. DN 50) or reducer (min. 1½"), slide the jacketed pipe without the adjusting ring in the cutting ring fitting, the jacketed pipe must be easy to move.
- (3) Slide the float with marking "TOP" upwards the probe head on the jacketed pipe and fix the adjusting ring at the bottom of the jacketed pipe to prevent the float from falling into the tank. Move the float to the bottom of the jacketed pipe.



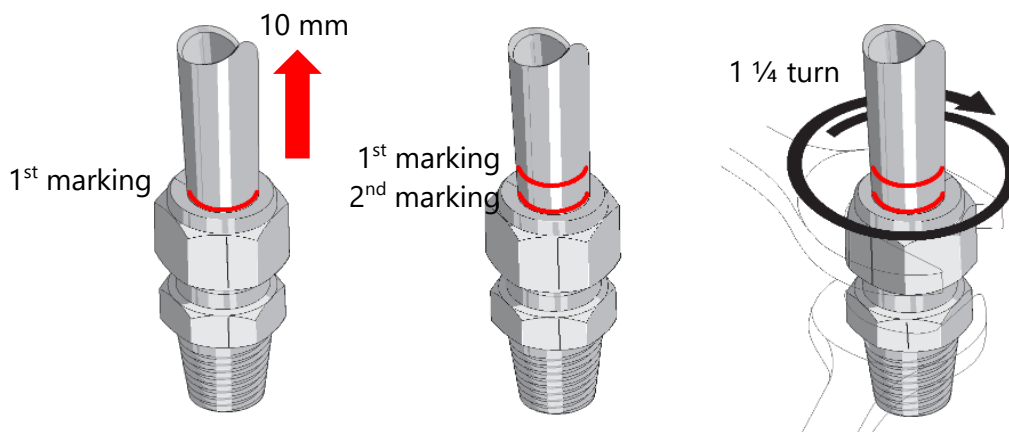
*The marking "TOP" on the float must point towards the probe head.*

- (4) Screw the flange or the reducer to the process connection of the tank.
- (5) Press down the jacketed pipe gently into the tank until it touches the bottom of the tank. Mark this 1<sup>st</sup> position on the pipe (1<sup>st</sup> marking), see figure below.
- (6) Move up the pipe for 10 mm (safety distance to the tank bottom). Mark this 2<sup>nd</sup> position on the pipe (2<sup>nd</sup> marking under 1<sup>st</sup> marking), see figure below.



*If there is no safety distance between the jacketed pipe and the bottom of the tank, the pipe can be bent and damaged during the installation process.*

- (7) Fix the jacketed pipe with the cutting ring fitting at the 2<sup>nd</sup> marking first hand-tighten and then with a 1 ¼ clockwise turn (see following figure).



*After fixing, the cutting ring fitting can no longer be dismantled.*

- (8) Put the reducer  $\varnothing 16 / \varnothing 12$  on the jacketed pipe and fix it.
- (9) Press down the VISY-Stick LPG sensor without float gently in the reducer until it touches the bottom of the pipe. Tighten it with the PTFE-clamping ring fitting.
- (10) Configure the VISY-Command: 18 mm must be entered as an offset in VISY-Setup (safety distance 10 mm + jacketed pipe bottom 8 mm) and LPG as product quality.

See also:



Installation instructions Variable LPG Installation Kit, art. no. 350094