

Tek-DP 1630A

Flow Nozzle



Quick Start Guide

1. Before you begin

This quick start guide provides basic guidelines to assist you in getting started quickly.



Indicates a potentially hazardous situation which, if not avoided, may result in personal injury or damage to equipment.

2. Unpack

Tek-DP 1630A Flow Nozzle

Unpack and check the contents for damage or sign of rough handling. Report damage to the manufacturer immediately. Check the contents against the packing list provided.

3. Dimensional Drawings

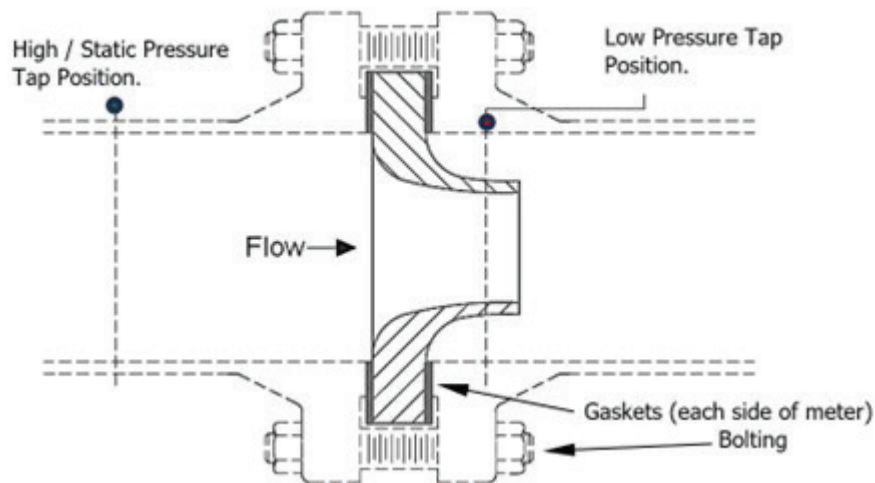


Fig 1. Flanged Flow Nozzle Type with Pipe Wall Low-Pressure Tapping

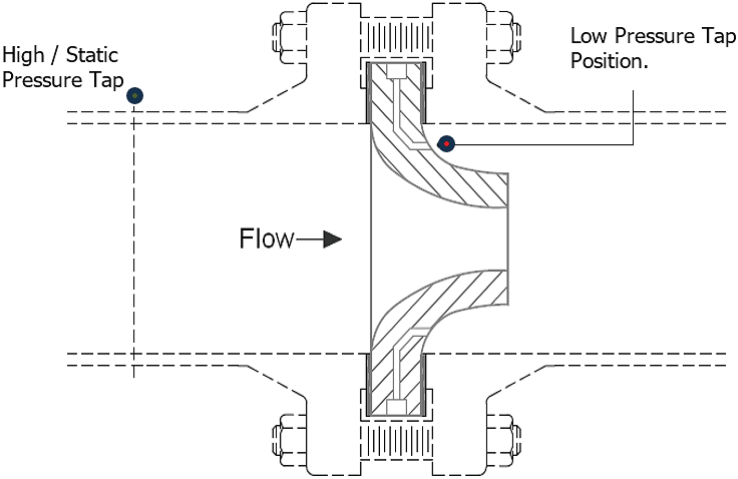


Fig 2. Flanged Flow Nozzle Type with Integral Low-Pressure Tapping's

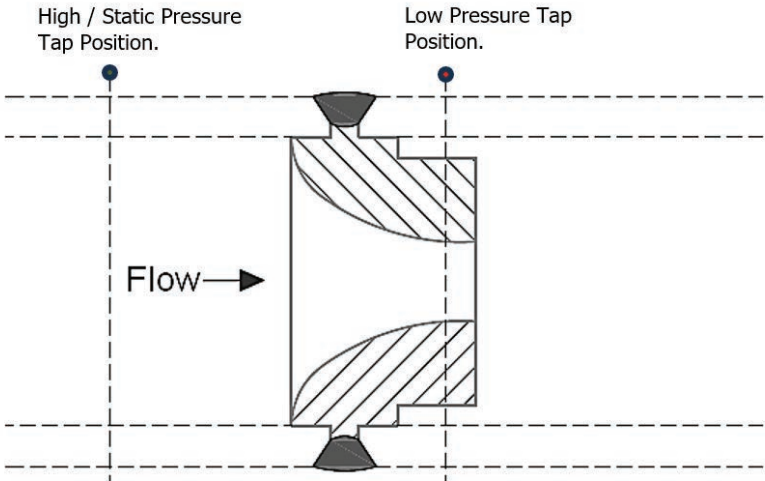


Fig 3. Weld -In Flow Nozzle Type – Pipe Wall Low Pressure Tapping.

4. Installation

• Preparation

- Ensure the pipeline is depressurized and isolated from the gas source.
- Prepare the required tools and equipment.
- Identify the installation location and confirm the alignment of flanges.

• Flange Inspection

- Inspect the flanges for damage, corrosion, or wear and make sure that the correct lifting procedures are used to prevent damage to the meter such as correctly rated slings etc., according to end user/client procedures.
- Ensure the flanges are clean and free from debris during the installation.



• Nozzle Flow Meter Installation

- Position the nozzle flow meter between the flanges or the agreed installation method with the flow direction arrow aligned with the gas flow direction.
- Place the gaskets on both sides of the flow meter, ensuring proper alignment with flange bolt holes if the meter is installed between flanges.
- Insert and tighten the flange bolts through the bolt holes in a crisscross pattern. Tighten evenly to avoid warping the flow meter or crushing the gaskets on one side only.
- Use a torque wrench to achieve the nut and bolt manufacturer's recommended torque settings for the bolts usually standardized per bolt size, material and pressure rating.



• Flange Reassembly

- Ensure the gaskets are properly seated and aligned.
- Reassemble the flange by tightening the bolts according to a crisscross pattern, ensuring even distribution of pressure on the flanges.



• Leak Testing

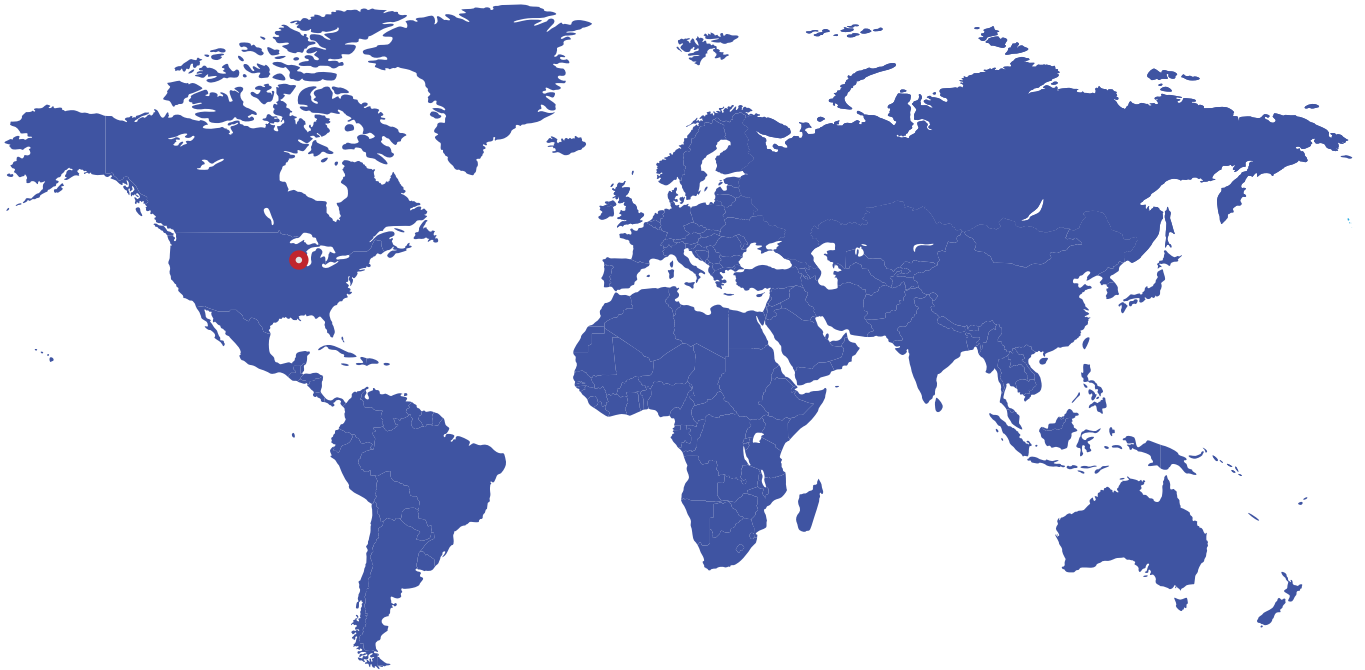
- Conduct a leak test by applying a leak detection solution around the flange joints and connection points. Gas applications, and liquid applications fluid should be visible.
- Observe for any bubbles forming, indicating a leak on gas applications.
- If a leak is detected, shut down the process disconnect and rectify the leakage properly before proceeding, commence the procedure from the applicable Section.

5. Maintenance and Troubleshooting

- Regularly inspect for leaks and damage.
- Follow the manufacturer's recommended maintenance schedule.
- If issues arise, consult the manufacturer's troubleshooting guide or seek professional assistance.



Technology Solutions




796 Tek Drive
Crystal Lake, IL 60014
USA

Fax: +1 847 655 6147

Email: tektrol@tek-trol.com

www.tek-trol.com

 +1 847-857-6076

 tektrol@tek-trol.com

 www.tek-trol.com

Tek-DP 1630A