LEVEL MEASUREMENT

STILLING WELL

A perforated guide pipe mounted inside the process vessel, isolating the level measurement from turbulence in the main liquid volume.

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01 / Technical Overview

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Overview

The stilling well is a perforated guide pipe situated inside the tank. This design isolates the level measurement from turbulence in the main liquid volume. It allows a portion of the process fluid inside the stilling well to calm the surface, providing a stable target for the radar signal.

Operating Principle

The stilling well contains and guides the microwave signal from the installed radar transmitter within it. It offers stronger signals on the surface, which provides a significant advantage for low dielectric applications, while shielding the signal from internal obstructions, agitators, and false echoes.

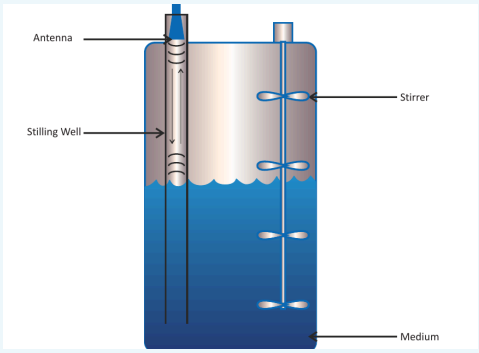
Salient Features

Feature
Reliable and robust level measurement
Shields the signal from internal obstructions and false echoes
Effective for low dielectric liquid applications

Applications

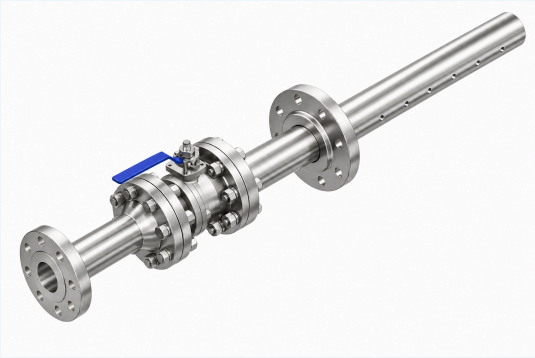
Industry
Crude Hydrocarbons
Oil & Gas Industry
Chemical Industry

Schematic Diagram



Drawing control: This sample drawing is for visual reference only. Final supplied geometry, dimensions, materials, ratings, process connections, accessories, inspection scope, and documentation are governed exclusively by the approved order data sheet, approved drawings, and nameplate.

Assembly Configuration



Sample isolation-valve assembly shown for reference.

Configuration Options

Parameter	Available Options
Pipe Size	2” to 8”
Materials of Construction (MOC)	SS316 / 316L, Carbon Steel, Hastelloy, Monel, Inconel, 6Mo, DSS, etc.

Configuration Notice: Final values are defined by the approved order data sheet and nameplate.