

Waddell Room Pressure Sensor (RSP)

BULLETIN 864



Application Guidelines

The Waddell Room Static Pressure Sensor (RSP) is designed for accurate, smooth sensing of the actual pressure within an enclosed space such as a laboratory, clean space, or corridor.

The Waddell space or room sensor is designed to eliminate any random room currents and provide a stable static pressure signal during minimum and maximum flow rates.

An internal secondary chamber buffers these space pressure spikes.

This sensor should be used with an accurate very low pressure transmitter.

Installation Guidelines

The RSP Sensor may be mounted on the ceiling, wall, or floor, and in any mounting orientation required. A ceiling mount near the center of the space, away from avoidable air currents, is the preferred location.

Very large rooms may require multiple sensors with the tubing manifolded to provide an average pressure measurement.

Construction Options

The sensor is available with the pressure connection on the end of the cylinder-shaped secondary chamber.

This design places the process tubing above the ceiling, out of sight. Process tubing should be 1/2" (13mm) for distances up to 25 ft (8 meters).

Material Options

The Room Pressure sensor is offered in aluminum or stainless steel construction.



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