



the Orange Peel

Distributor
Newsletter

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Orange Research

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Personnel changes

By Kristin Hoffman

We have some changes to announce in 2020! Peter Hoffman is now Executive Vice President. He's been transitioning into this leadership role over the past year. Peter started working for Orange Research over summers during high school. Assistant Production Manager for 3 years, Production Manager for 10, and Sales Representative for 5 years, Peter is more than happy to be sharing his vast product and industry knowledge with both established and new customers.

Kristin Hoffman, Peter's cousin, has taken on the position of Sales Representative/Promotion Coordinator. Kristin started working for Orange Research as a production dial-maker 25 years ago this March. She started in Sales in 2001 and has been Customer Service Representative for 15 years. Kristin is happy to be working to establish and maintain close relationships with our distributors and customers.

We are a third-generation family business with shared visions and values. Instilling family culture in the work environment and community, we are committed to providing fast, friendly, knowledgeable service & support. Our team is here to help you find solutions.

<https://www.orangeresearch.com/our-team.php>

Flowmeters Vs Rotameters

By Kristin Hoffman

Our variable-area flowmeters are a practical alternative to rotameters

- Easy to Read-large, bright dials
- Mounting in Any Orientation
- High Pressure-up to 5000 PSI

Read more about our Flowmeter advantages here:

<https://www.orangeresearch.com/flow-meters-vs-rotameters.php>





Square Root-DP Flow

By Kristin Hoffman

Bernoulli's law states that the flow rate is proportional to the square root of the differential pressure.

Orange Research often supplies dp gauges with a square root flow dial, for mating to venturis, orifice plates, and other primary flow elements. This combination makes a complete dp flowmeter. We also offer our own line of dp flowmeters.

Our 1516 with square root dial reads like a flowmeter, and is ordered by specifying the flow rate & the dp that flow rate is based on. Examples:

- 0-250 GPM based on (commonly seen as B/O) 10 PSID or
- 0-300 GPM based on 100 in H2O

Our 2500 series dp flowmeter marries our model 1516 with an integrated flow nozzle, so you simply order by specifying the flow rate.

DP flow is a cost-effective alternative to straight flowmeters as prices on flow instruments can rise exponentially as the size of the pipe increases. DP flow is also still the number one principle used in measuring flow!

Read more about dp flow here:

https://www.orangeresearch.com/applications_dp_flow.php

Application Spotlight-Catalytic Reduction

By Jim Gill

To reduce harmful Nitrous Oxide emissions from power plants ammonia is injected into the system through several injection lines. This chemical process is called Selective Catalytic Reduction.

Our model 1831 measures the pressure drop on each line so the ammonia flow can be balanced. We have seen eight 1831 gauges lined up in one Ammonia Injection Grid.



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