

Custom systems

Model 9412 buffer tank system

09/2023

Special features

- Oil free vacuum
- Improves performance of a pressure controller
- Connects to a vacuum pump or compressor source
- Aids with the transition of one set point to the next
- Two pressure gauges; one for each tank channel
- Pressure relief valves for over pressure safety
- Standard 1/4" bulkhead tube fittings



Description

The Model 9412 is a rack-mounted set of pressure tanks that users can utilize in concert with a pressure controller. Each model contains two three-gallon ASME Certified pressure tanks which are rated for a working pressure of 300 psi. The Model 9412 is commonly used as a subassembly of the Model 9415 multi-channel controller system.

Functionality

The Model 9412 buffer tank system contains two separate three gallon tanks. Each tank includes an input port, a measure port, an output port, an internal pressure relief valve, and a gauge. The model 9412 is ideally used with a pressure controller to provide additional volume which, in turn, helps to expedite the transition from one set point to another within a pressure control total system.

Each buffer tank is rated up to 300 psi and comes equipped with a pressure relief valve that can limit the pressure of the system to the need of the client.



Model 9412 - 3 Gallon dual tank system

Specifications

Model 9412

Basic instrument- Model 9412

Buffer Tank

Quantity	2
Volume	3 gallons
Pressure	ASME SPEC

Dimensions

Rack	19 in"
Tall	10 1/2 in"
Data entry	17 1/2 in"

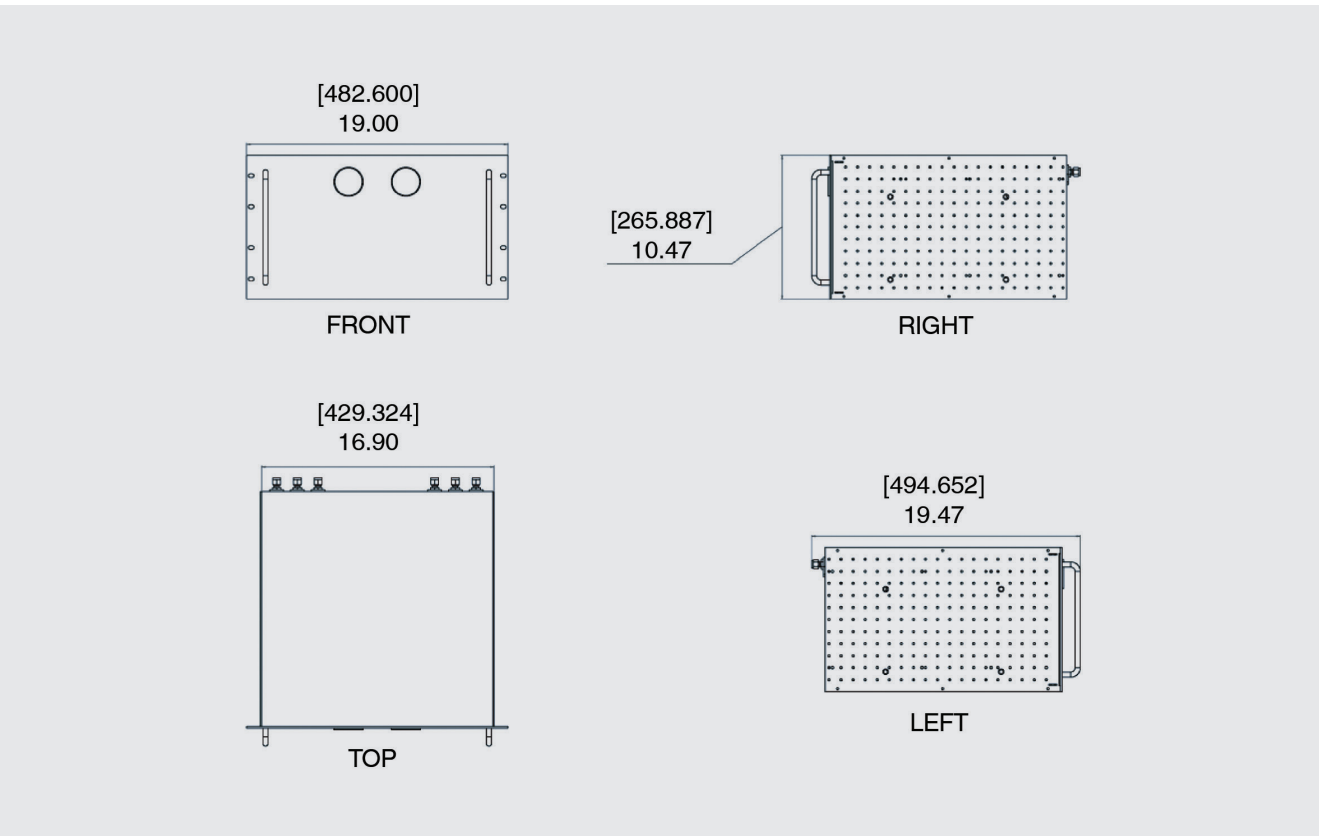
Pressure

Maximum	300 psi (ASME MAWP -20 °F to 650 °F)
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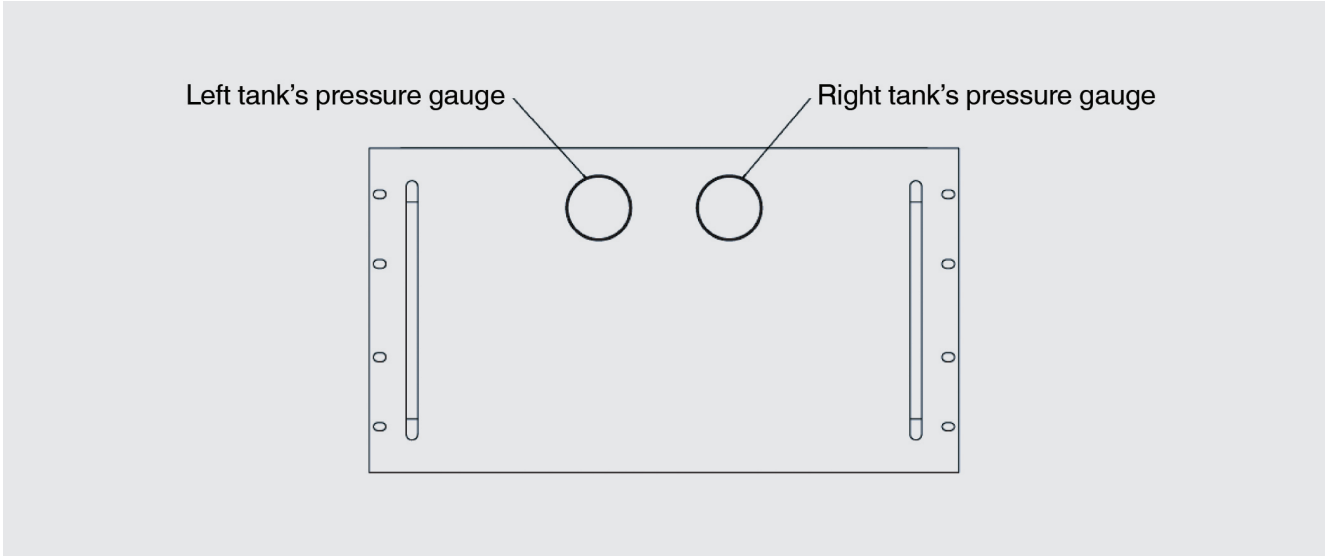
Approvals

Logo	Description	Region
	(ASME MAWP -20 °F to 650 °F)	

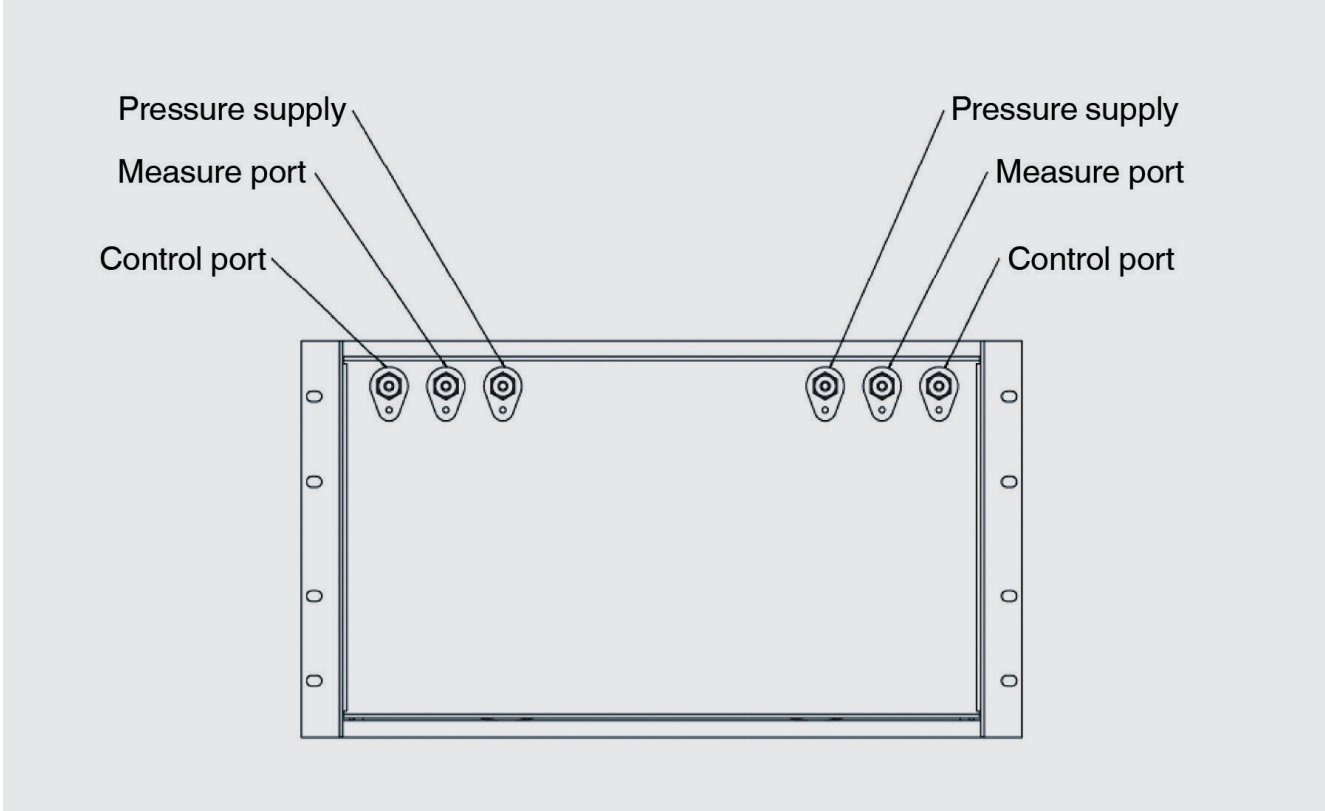
Dimensions: inches [millimeters]



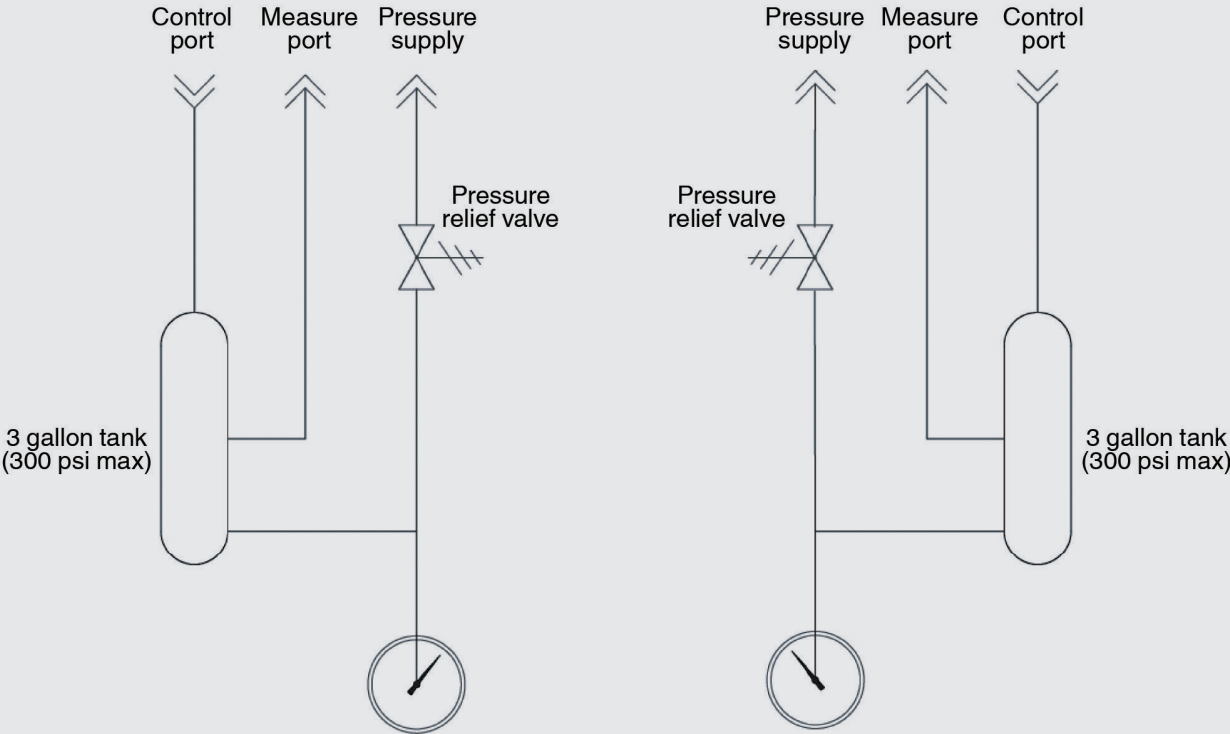
Front panel features



Rear panel features



Pneumatic diagram



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