

# Custom Systems

## Model 73 Rack Mounted Pressure Booster System

08/2024

### Applications

- Air booster
- Industry(laboratory, workshop and production)
- Research and development laboratories
- End of line testing

### Special features

- Boost up to 750 PSI
- Entirely mechanical

### Description

#### Design:

The Model 73 implements a top of the line 5 to 1 pressure booster. The unit is mounted in an industry standard 19" rack mount chassis. The front panel features a gauge dedicated to displaying the output pressure. The rear panel features a user accessible regulator, a dedicated regulator gauge, input port, output port, vent valve, and a user accessible moisture trap.

### Functionality

The Model 73 is commonly used as part of a larger rack mounted system to boost air pressure as needed. It's capable of outputting 325 to 750 PSI. It must be implement with a continuous low pressure supply to operate properly.



Model 73 - Pressure Booster System



### Versions

#### Front Facing Controls

Model 73F

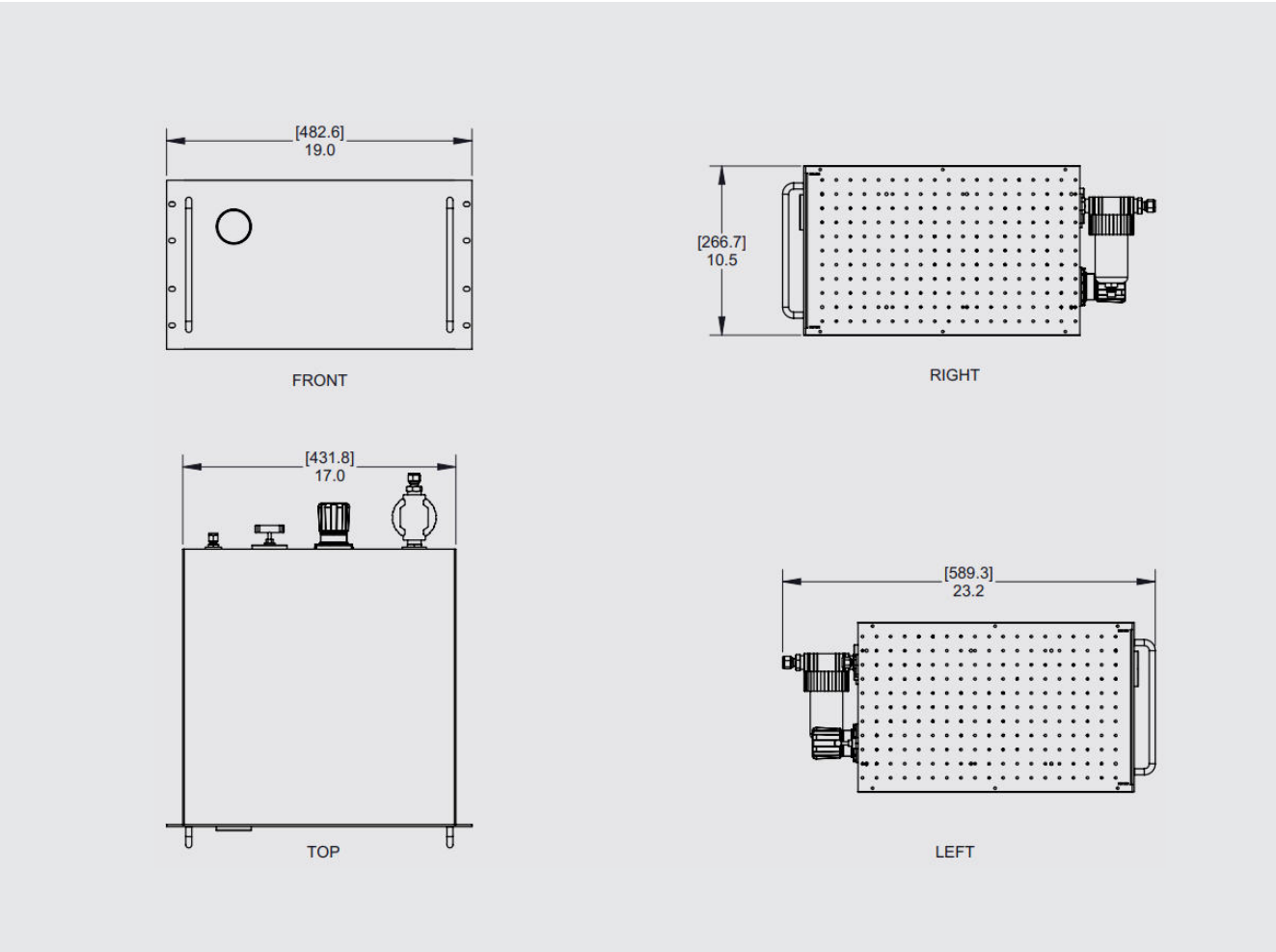
The front panel features a regulator, regulator gauge, vent valve, and pressure input gauge. The rear panel has an input pressure port, input pressure gauge, and output pressure port.

Specifications

Model 73

Basic Instrument- Model 73	
Min input pressure	70 PSI
Corresponding max output	325 PSI
Max input pressure	150 PSI
Corresponding max output	750 PSI
Air requirements	Clean dry compressed air or compressed nitrogen
Output pressure characterization	Output pressure = input pressure + (regulated pressure *4)
Fittings	3/8" input port, 1/4" output port
Dimensions	L 23.2" [589.3mm] or 24.7" [627.4mm] x W 19.0" [482.6mm] x H 10.5" [266.7mm]
Weight	20.4kg(45lb)

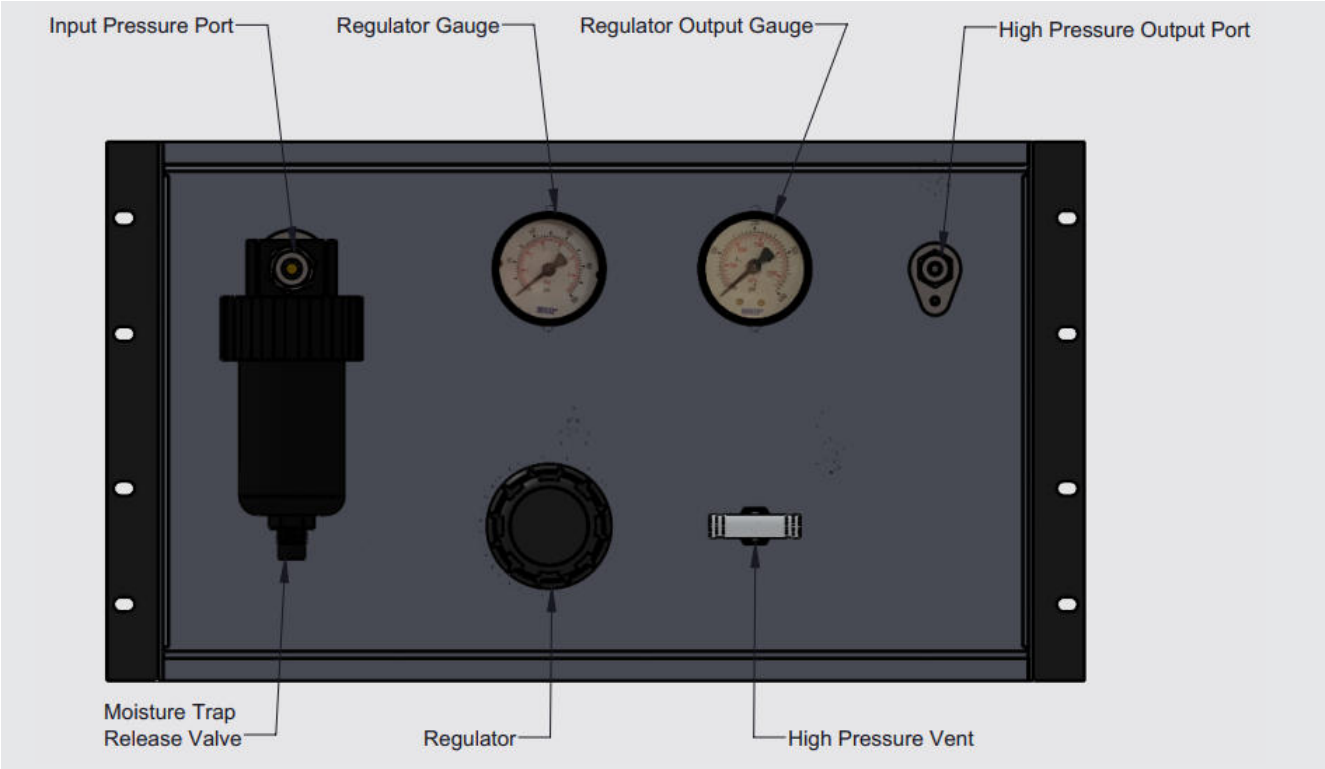
Dimensions: inches [millimeters]



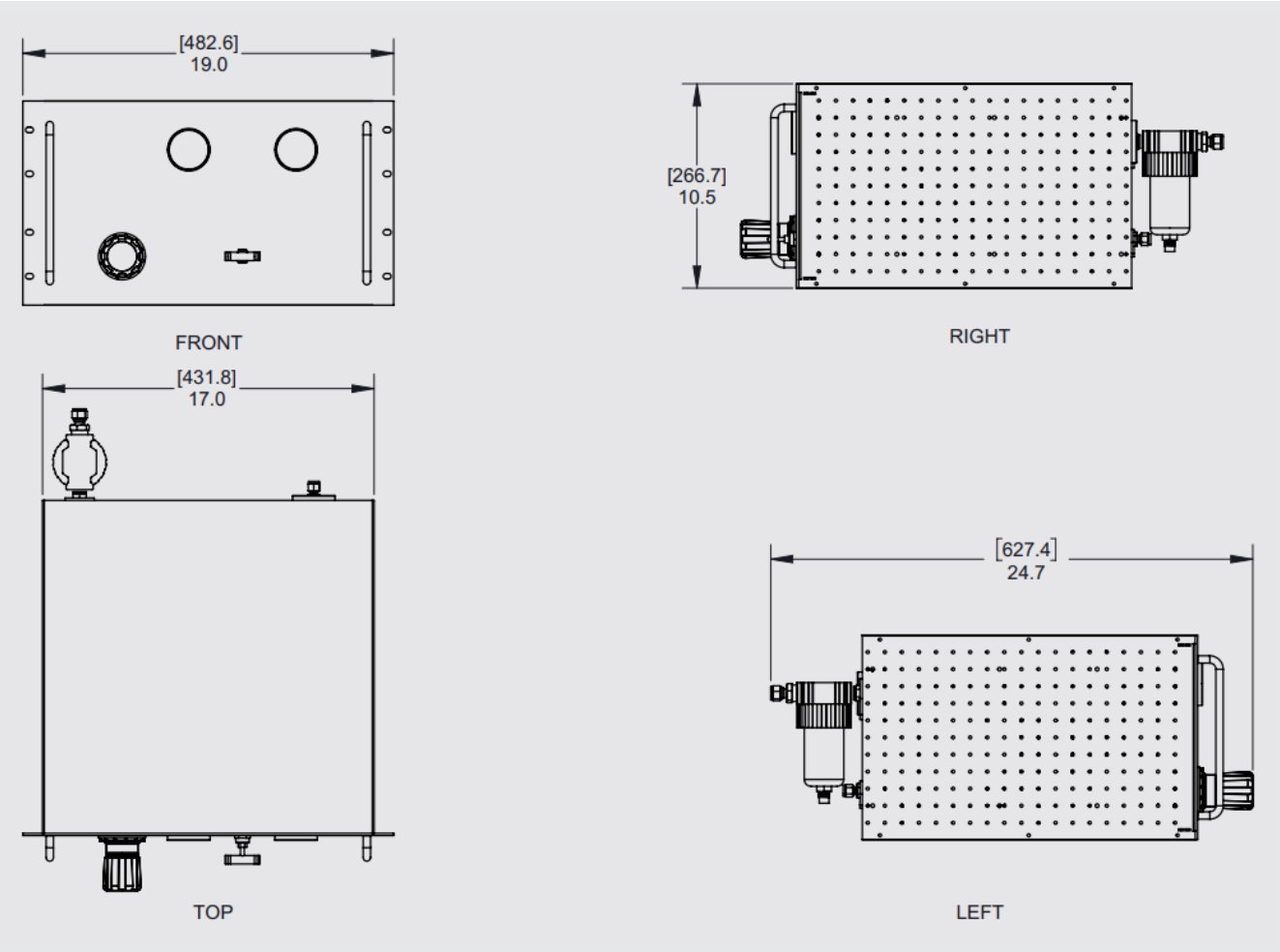
Front panel features:



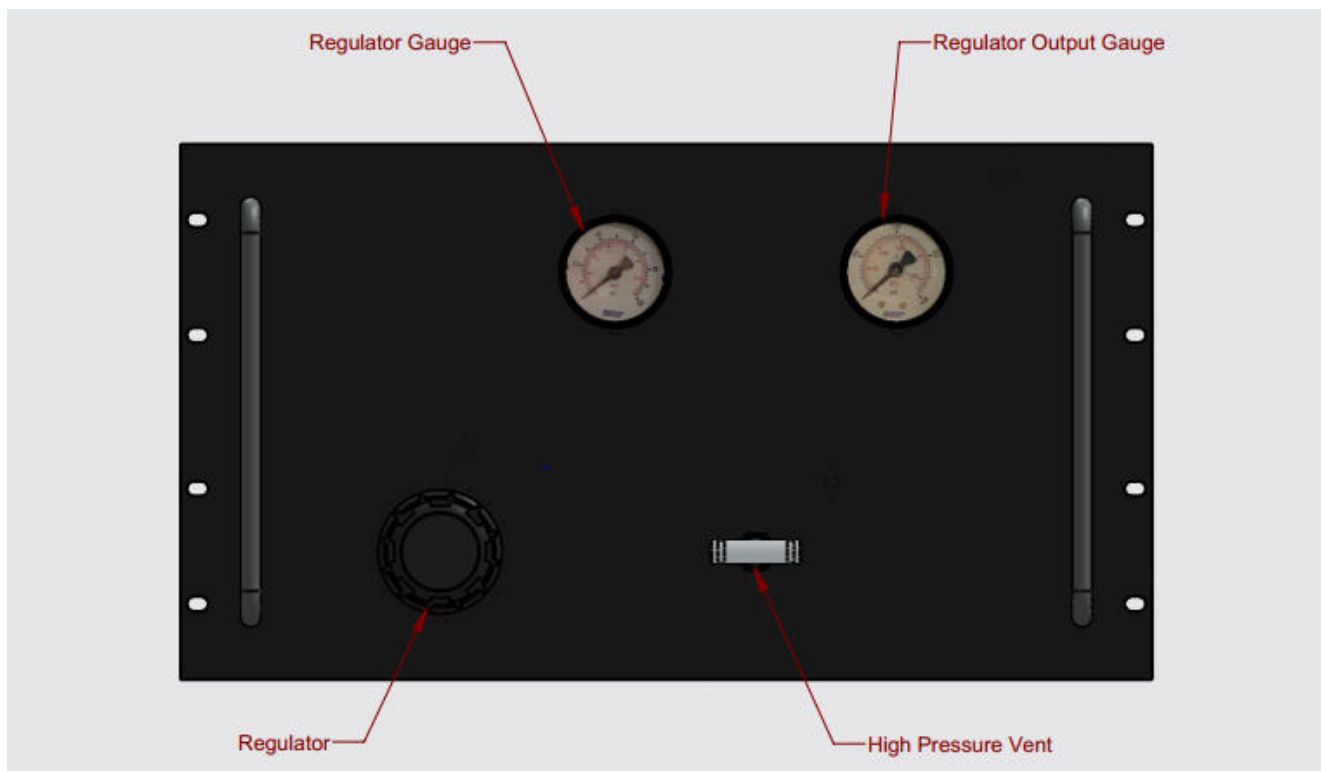
Rear panel features:



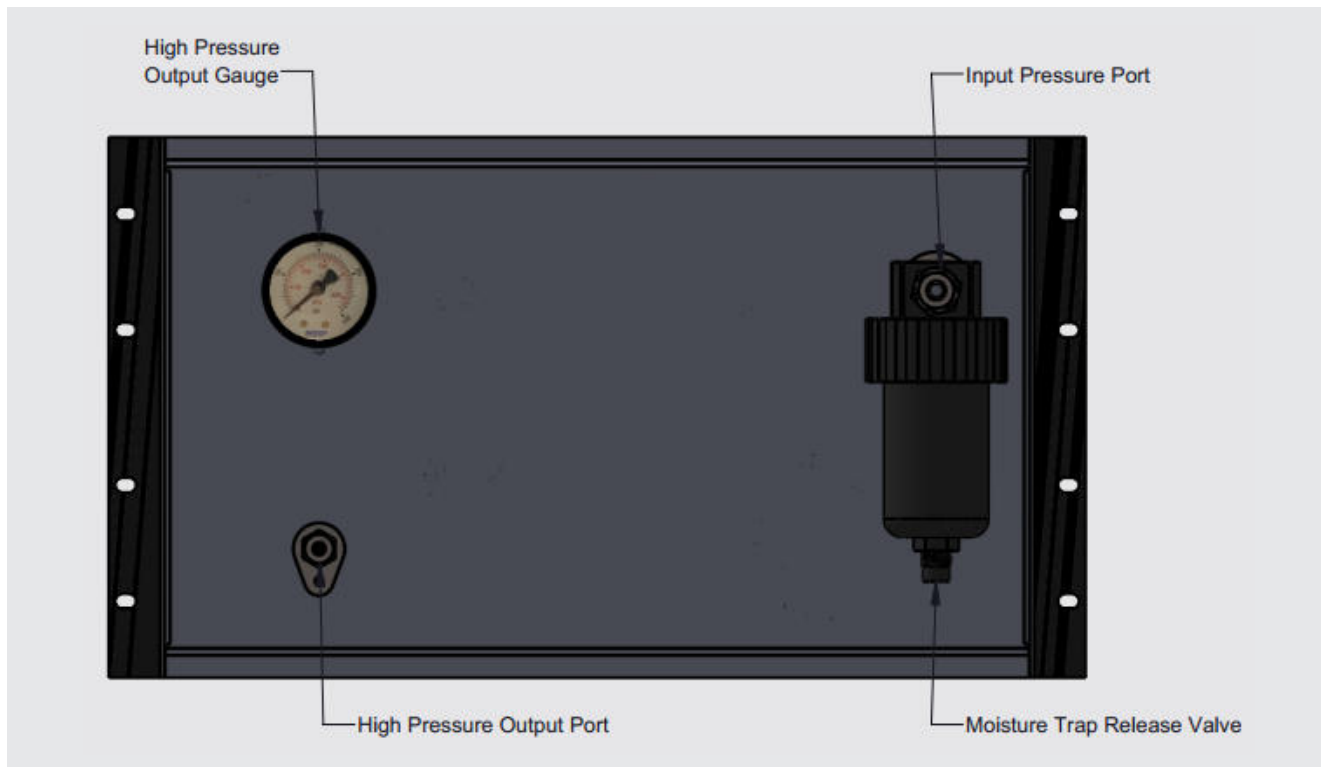
**Model 73F**  
**Dimensions: inches [millimeters]**



### Model 73F-Front panel features:



### Model 73F-Rear panel features:



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