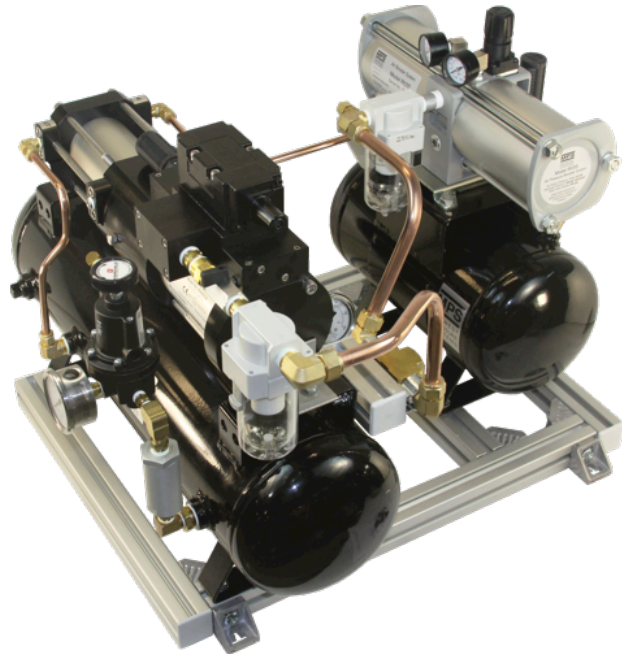


Model Number R43A35

Two-Stage Air Pressure Booster System

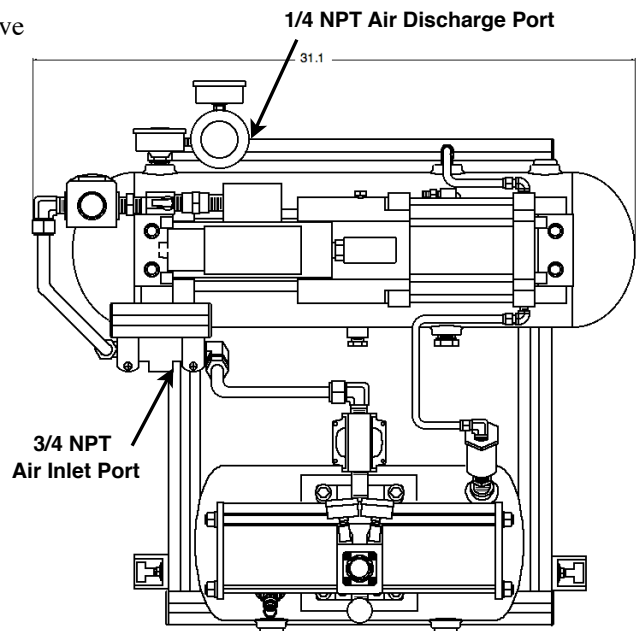
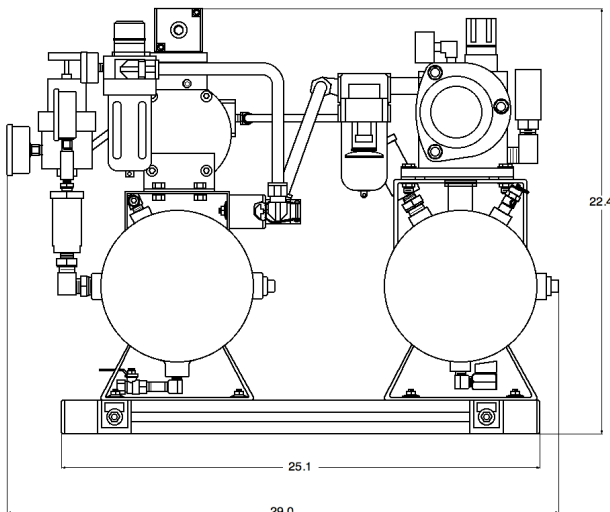
The R43A35 air pressure booster system increases shop air pressure in two stages. The first stage booster is a 2:1 booster with a built-in pressure regulator. The second stage (2.78:1) booster is unlubricated and uses filled Teflon® piston seals and rod seals. The drive air piston reciprocates automatically and drives the boost piston. The boosters do not require electricity, cooling water, air-line lubricator, and are explosionproof.

The system discharge regulator located at the outlet of the second stage tank can control discharge pressures between 5 and 400 psig. The flowrate and discharge pressure from the 1st stage booster can also be controlled by using the built-in regulator. When there is no demand for high pressure air, the system will stall when it reaches the maximum discharge pressure. When there is a need for high pressure air the pressure in the discharge line drops, and causes the system to restart automatically.



MODEL R43A35 FEATURES

- 3/4" NPT female air inlet port
- 1/4" NPT female air discharge port
- 1/4" NPT drain valves
- Shop drive air supply inlet filters (1st and 2nd stage)
- Discharge filter (1st and 2nd stage)
- Built-in 1st stage pressure regulator
- System Discharge regulator
- Shop drive air, air inlet, and air discharge pressure gauges
- 3.5 gallon, 350 psig ASME tank
- 235 psig safety relief valve
- 5.5 gallon, 625 psig ASME tank
- 465 psig safety relief valve
- Exhaust mufflers



Midwest Pressure Systems, Inc.
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 Phone 630-766-6049 Fax 630-766-6236
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MODEL R43A35 SPECIFICATIONS

- Capable of 100% duty cycle
- Shop drive air pressure range: 30-125 psig
- Discharge pressure range: 5-400 psig
- Flowrates of up to 30 scfm
- Approximate weight of 150 pounds