

# Air Pressure Amplifier Packages

## MODEL HIS-10001

(Also referenced as HIS-S5A-DS-2)

### DESCRIPTION:

The air pressure amplifier unit includes model 5A-DS-2 and it is a complete pneumatic system designed to provide double the available plant air pressure and momentary high flow. Tank is 15-gallon, 200-psi ASME code. The regulator on the tank outlet is provided to control the output pressure and flow. Tank relief valve is set at 200-psi.

### PRIMARY APPLICATION:

Assist air powered tools and machines in large plants with marginal central air pressure systems. Ideal to boost plant air pressure in tools for operation of automatic clamps, cylinders and other equipment.

APPROXIMATE DIMENSIONS:  
44" W x 32" D x 17" H



## MODEL HIHP-10044 or HIHP-10045

(Also referenced as HIHP-S3A-SS-2.5 OR -4)

### DESCRIPTION:

This compact air pressure amplifier unit includes model 3A-SS-2.5 or 3A-SS-4 and it is a complete pneumatic system designed to provide 2.5x or 4x the available plant air pressure. Tank is approximately 1-gallon, D.O.T. code steel bottle. The inlet drive air regulator is provided to control the output pressure up to 675-psi.

### PRIMARY APPLICATION:

Assist smaller air powered tools and machines with marginal shop air pressure. Ideal for light duty, miscellaneous testing, and boosting into tight spaces.

APPROXIMATE DIMENSIONS:  
11" W x 11" D x 17" H



## MODEL HIS-10002

(Also referenced as HIS-S5A-DS-5)

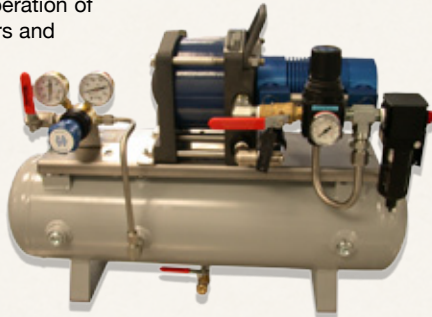
### DESCRIPTION:

This air pressure amplifier unit includes model 5A-DS-5 and it is a complete pneumatic system designed to provide 5x the available plant air pressure and momentary high flow. Tank is 5-gallon, 600-psi ASME code. The regulator on the tank outlet is provided to control the output pressure and flow. Tank relief valve is set at 600-psi.

### PRIMARY APPLICATION:

Pressure testing with plant compressed air up to 5x air in (up to 500-psi) with moderate flow or special devices. Ideal to boost plant air pressure in tools for operation of automatic clamps cylinders and other equipment.

APPROXIMATE DIMENSIONS:  
17" W x 15" D x 23" H



## MODEL HIS-10003

Dual Air Amplifier System

(Also referenced as HIS-S5A-DS-2/5)

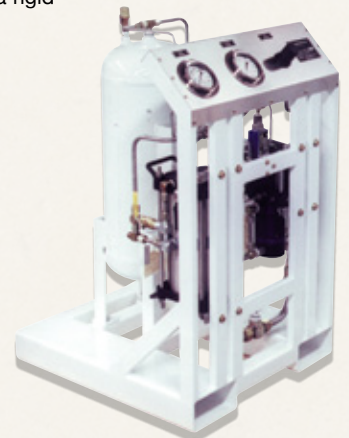
### DESCRIPTION:

This dual air amplifier system provides increased efficiency, flow and pressure. It consists of a model 5A-DS-2X piped into model 5A-DS-5X for a 2-stage configuration. Tank is 15-gallon, 400-psi ASME code. Tank pressure is controlled with a pilot cutoff valve (PVC), and is rated for a maximum pressure of 390-psi. This system is assembled, completely tested for maximum flow and pressure, and mounted on a rigid fork-lift-able steel frame with control panel.

### PRIMARY APPLICATION:

Pressure testing, purging, clamping with plant compressed air up 390-psi with high flow.

APPROXIMATE DIMENSIONS:  
30" W x 28" D x 43" H





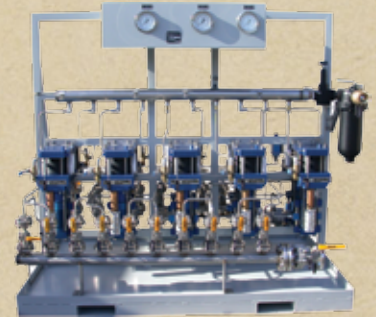
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High pressure hydraulic system with accumulators for 200 Ton Tensioning Systems



Mobile hydraulic or skydrol cart on casters with control panel for pressure testing valves, motors and various aircraft components.



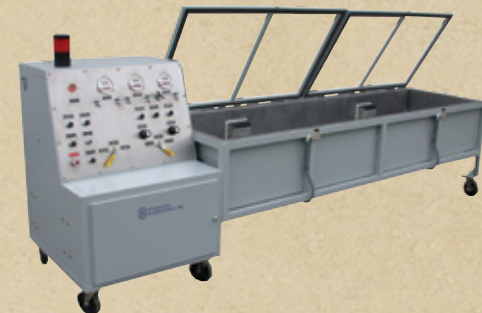
Multiple natural gas booster system with high flow capacity for recovering unclaimed gas and injecting back into a higher pressure transmission line.



Electric driven gas booster package rated up to 10,000-psi suitable for transfer and pressurization of Argon, Breathing Air, Carbon Dioxide, Helium, Hydrogen, Methane, Natural Gas, Nitrogen and Oxygen.



PAINTBALL propellant bottle filling to 6,000 PSI using 5G-DS and 5G-TS series boosters.



Tube & hose test stand rated to 30,000 PSI fully automated.

## HYDRAULICS INTERNATIONAL, INC. OVERVIEW

Founded in 1976, HII has evolved into a fully integrated manufacturer of hydraulic and pneumatic test equipment. HII maintains three modern facilities in Chatsworth, California and one in Forsyth, Georgia, totaling 690,000 square feet.

Along with air driven system packages, HII offers pumps, air amplifiers, gas boosters, flowmeters and high pressure components, and electric driven gas boosters. HII products are designed and manufactured in the USA.

Corporate Headquarters and Offices,  
Sales, Administration, Fabrication  
and Assembly

9201 Independence Ave.  
Chatsworth, CA 91311



Engineering, Assembly  
and Test Facility

20961 Knapp Ave.  
Chatsworth, CA 91311



Machine Shop Facility

9000 Mason Ave.  
Chatsworth, CA 91311



Overhaul Facility

70 Industrial Park Drive  
Forsyth, GA 31029

