

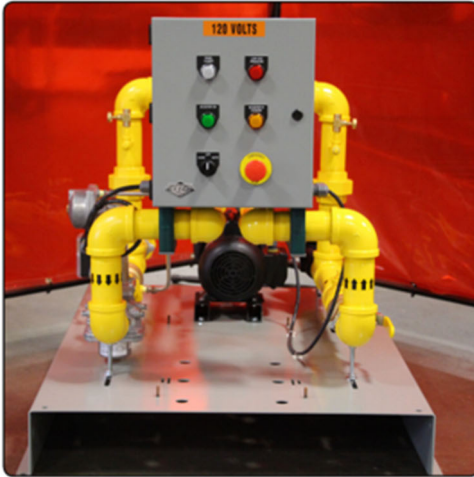
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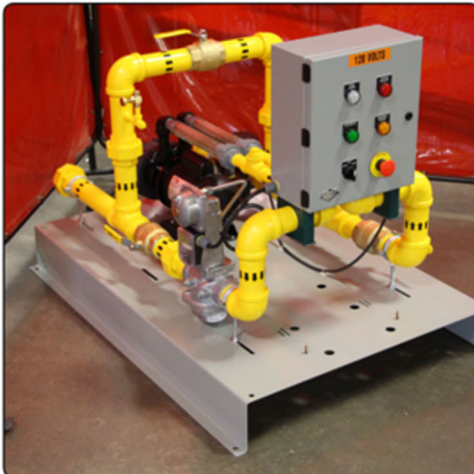
BOOSTERWORX

Packaged Gas Booster- E101PHC

Version: April 2026



The ETTER Engineering E101-PHC packaged gas booster system is the HIGH CAPACITY version of the E101P Series, designed for pumping low volumes of gas, which is not corrosive to aluminum or steel, and are used when an increase in pressure is required from the available line pressure. The Package includes a magnetic coupled drive mechanism which has no shaft or shaft seals, eliminating potential leak paths. The E101-PHC has a capacity range from 0 to 1,600 CFH, with a maximum available pressure of 14"W.C. added to the inlet pressure. An outlet gas pressure regulator sets a constant outlet pressure over a range of flow rates. Performance information for the standard capacity model is listed in the sizing curve on the back.



The E101-P is designed as a Plug and Play unit and comes completely pre-piped, wired and tested for your application with:



- Metal skid-style frame with all components mounted and wired.
- All components including regulator and flex-hoses are integral and pre-plumbed
- UL /CSA approved gas booster pump and components.
- 2" NPT union ends inlet and outlet for easy installation.
- NO minimum flow rate requirement - pump can be dead-headed with no adverse effects!
- Pre-plumbed check valves, bypass, and low gas pressure switch.
- UL-Approved Control Panel includes:
 - Lights and push buttons, Operating interlocks, Motor starter, circuit breakers, control relays, and timers
- 1/3 HP 120V/1/60 TEFC motor with magnetic seal to the hermetic booster

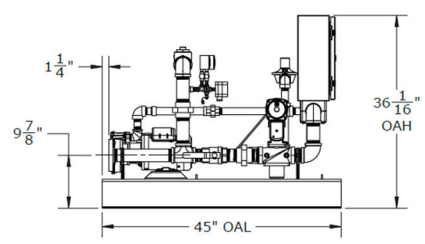
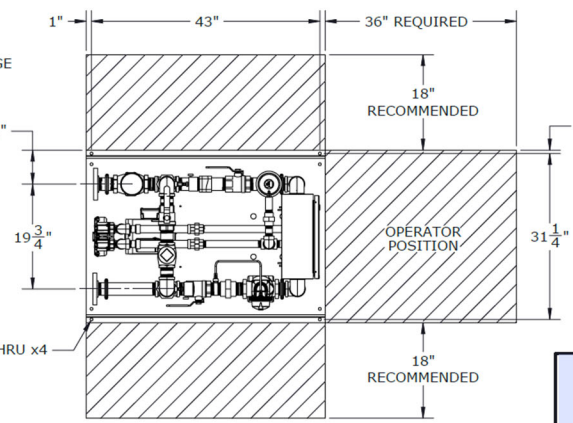
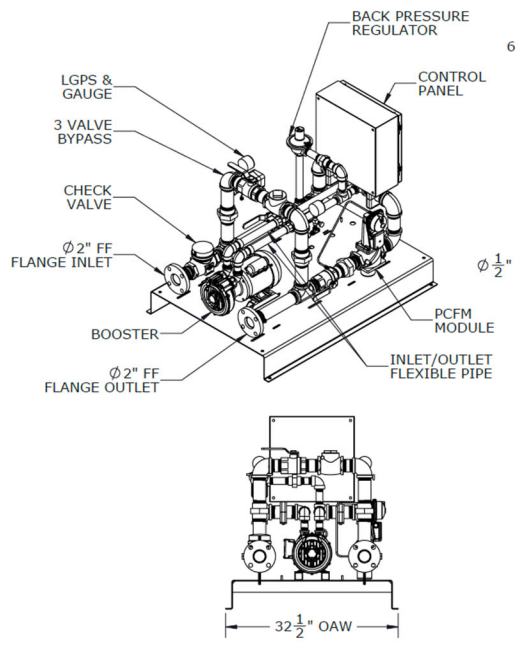


The E101-PHC has various **OPTIONAL Packages** which include:

- **Mode G:** Generator Set Controls, complete with an integrated Battery Back-up system with 120V/1/60 uninterruptible power supply for 10 minutes of operation without landline power
- **GLD:** Gas Leak Detection system which will shut down the booster, alarm the fault, and shut off the gas supply from the booster with an automatic safety shutoff gas valve
- **TRNS:** Outdoor weather and tamper resistant steel enclosure with lockable steel doors
- **STK:** Stacked duplex design for minimizing system footprint and conserve valuable floor space. NOTE: Not available for outdoor installations.
- **HTD:** Heated outdoor system for integrated self-contained UPS. Otherwise, the UPS must be installed in a local tempered indoor location (55-110 F)
- **COM:** Communications Module, BACnet communications module for connecting unit status and alarming to Building Management System (BMS)
- **HMI:** Touch-Screen Control with advanced features include remote alarming and status on smartphones, tablets, or PCs. Standard base offering is push-button and pilot-lights

- NOTES:
- FOR CLARITY, SOME ITEMS MAY BE HIDDEN FROM VIEWS
 - THIS DRAWING IS FOR REFERENCE ONLY AND SHOULD NOT BE USED AS FINAL CONSTRUCTION DRAWINGS
 - CONNECTIONS ARE PROVIDED FOR INSTRUMENTATION SUCH AS SWITCHES AND GAUGES WHICH MAY NOT BE SHOWN
 - THIS PACKAGE IS PLUMBED AND TESTED AT THE FACTORY
 - UNIT SHOULD BE SECURED TO A CONCRETE BASE USING CONCRETE ANCHORS THROUGH THE 1/2" HOLES SHOWN IN x4 PLACES
 - FOR PACKAGES WHICH CONTAIN A GAS LEAK DETECTION (GLD) UNIT, REFER TO EAGLD DETAIL DRAWING INCLUDED WITH SUBMITTAL PACKAGE

SERVICE ACCESS AREA



APPROX. WT.: 250 LBS

NO.	DESCRIPTION	DATE	BY
01	ISSUED FOR CONSTRUCTION	06/25/25	RF
02	STANDARDIZE FLANGED INOUT	05/21/22	GB
03	RELOCATE INLET SHUT OFF VALVE	01/20/20	RM
04	RELOCATE INLET GAUGE & LGPS	02/21/19	RM
05	BACK PRESSURE REGULATOR	08/21/18	JK
06	DESCRIPTION		

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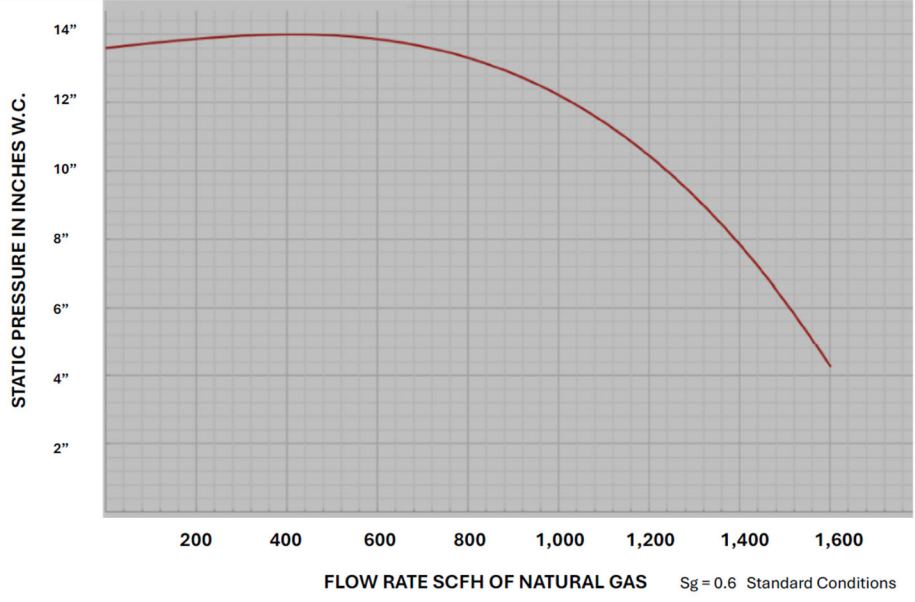
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JOB NO.:	CLIENT:	JOB SITE:
MODEL NO.:	E101PHC-S-PCM-REG	
DESCRIPTION:	GENERAL ARRANGEMENT E101PHC SIMPLEX W/ MIDE R INDOOR	
DRAWING NO.:	BE101PHC-SIM-BOX-M1	
SCALE:	1/8" = 1'	DATE: 06/25/25



NOTE: The below graph is not the performance curve of the booster itself but the capability of the entire packaged system

Packaged Gas Booster - E101PHC



NOTE: The E101P series has a smaller capacity booster called the E101P. If you require a bit less flow please look at the E101P.

For units in excess of 1,600 CFH we suggest looking into the ETTER KPak or gasPOD Models