OPERATING INSTRUCTIONS

FasTest® Your Productivity Connection

Troubleshooting:

Problem	Probable Cause	Remedial Action
•Connector does not seal due to insufficient pilot pressure.	Inlet pressure too low. Note: Inlet pressure not to exceed 65 psi.	Adjust inlet pressure.
	Oil reservoir empty.	Refill oil reservoir and bleed line.
	Entrapped air in system Note: If an increase in inlet pressure is applied to the booster and the outlet pressure does not increase, then the piston has bottomed out, indicating entrapped air.	Re-bleed line.
	Excessive system volume (hydraulic hose too long or too many connectors in the system).	Replumb system or re-bleed line.
•Connector does not seal with 600 psi pilot.	Incorrect connector seal size. for seal size range. Worn or damaged connector seal.	Consult FE Connector instruction sheet Inspect seal – replace as needed.
•Pilot Booster will not maintain pilot pressure.	Leak in plumbing.	Repair, fill reservoir and bleed line.
	Piston seal leakage in pilot booster or FasTest coupling.	Consult factory for booster or coupling repair information.
•Coupling seal set will not fully release.	Worn or damaged connector seal. Hydraulic oil to heavy.	Inspect seal – replace as needed. Replace oil with recommended weight hydraulic oil.
	Booster not returning to start position.	Consult factory for booster repair information.

Connector Maintenance:

- A daily, weekly and periodic inspection of the booster and connectors by competent person is recommended. User must establish a regular interval for maintenance as determined by the user media and operational environment.
- Inspection should include visual checks of the ports, hoses, hydraulic oil level, wear, dirt accumulation and damage.
- Use only original ***FasTest*** spare parts that are designed for the application and are subject to strict quality control. See Warranty.

Safety Warnings – Guidelines:

- If instructions are not completely understood by operator or components are missing, contact ***FasTest*** before attempting use of the booster.
- ***FasTest Pilot Booster & FE Connectors*** must only be used with test pieces of a specific size as indicated by the part number. Improper use could cause separation of the connector from the test piece resulting in physical harm or damage.

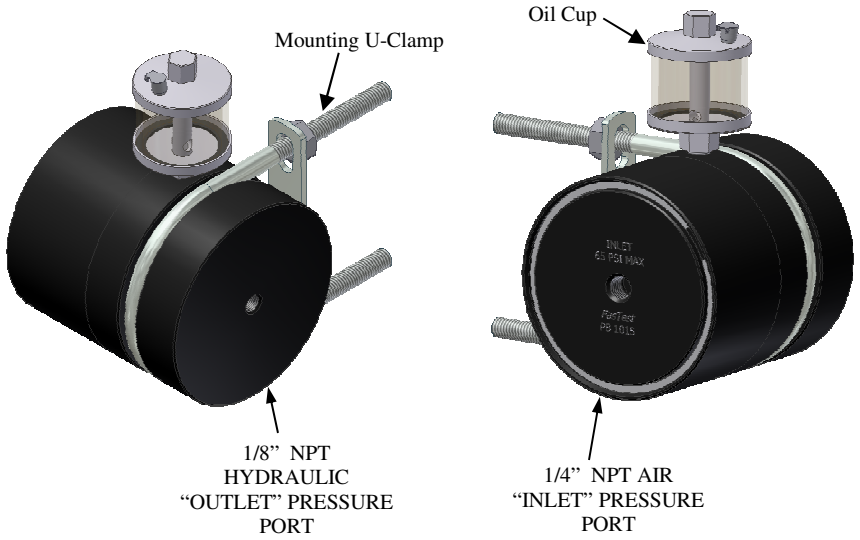
FasTest, Inc. Product Warranty

FasTest, Inc. warrants its products against defects of workmanship and/or material for 1 year from the date of the sale by FasTest, Inc. This warranty is void if the product is misused, tampered with or used in a manner that is not in accordance with FasTest, Inc. recommendations and/or instructions. FasTest, Inc. is not liable for consequential or other damages including, but not limited to, loss, damage, personal injury, or any other expense directly or indirectly arising from the use of or inability to use its products either separately or in combination with other products. ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, WHETHER ORAL OR WRITTEN, INCLUDING BUT NOT LIMITED TO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

Remedy under this warranty is limited to replacement of the product or an account credit in the amount of the original selling price, at the option on FasTest, Inc. All allegedly defective products must be returned prepaid transportation to FasTest, Inc. along with information describing the products performance, unless disposition in the field is authorized in writing by FasTest, Inc.

PB-1015 Pilot Pressure Booster

Description: The PB-1015 Pressure Booster is a compact pressure intensifier which uses compressed air to provide up to 600 psi hydraulic pressure. Designed to be used with a FasTest FE Connector and Urethane Seal Set for sealing on external threads and irregular surfaces.



Please thoroughly read and understand these operating instructions prior to operating the Pilot Booster. The use of pressurized media for sealing and testing requires a thorough understanding of the ***FasTest PB-1015*** Operating Instructions.

- Mounting/Installation
- Operation
- Specs
- Safety Warnings - Guidelines

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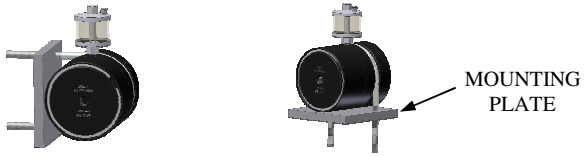
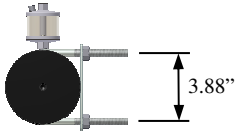
Mounting Recommendation:

1. Booster may be mounted to a vertical or horizontal surface. Always make sure Oil Cup is Vertical.



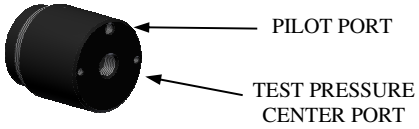
2. Booster should be installed as close to test connector as possible to keep the length of hydraulic hose as short as possible.
3. Mount booster at highest point possible in the system with Oil Cup up. This provides best results in bleeding the system.
   Note: Automatic air bleed is possible with the recommended weight hydraulic oil. Gravity flow will bleed the air out of the system if components are set up to allow fluid to flow freely from the booster through to the connector.
4. Mounting dimensions, (2) – 13/32" holes, 3.88" center to center.



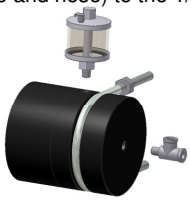
Installation:

Optional Accessory Kit P/N #PBA-02 includes: (Gauge, Oil, Hose Assembly and Tee-Fitting.)

1. Prefill FE Connector pilot port with recommended weight hydraulic oil.



2. Attach hose to connector pilot port and prefill hose.
3. Attach (tee fitting, gauge and hose) to the 1/8" NPT Outlet port on PB-1015 pressure booster and prefill.



4. Attach oil cup provided and fill with oil.
   NOTE: Bleed air as completely as possible after each step. Refill parts after bleeding.
   NOTE: For best results during bleeding procedure, shake hydraulic hose.

Operation:

1. Install PB-1015 pilot pressure booster per installation diagram.
   NOTE: FasTest FE Connectors to be installed per FE installation and operating instructions, WP007.

   WARNING: DO NOT EXCEED 65 PSI ON THE PB-1015 INLET PORT.

2. Set (inlet pressure regulator) to the minimum pressure required to create a leak tight seal. Actual pilot pressure to connector will be approximately 9 times the inlet air pressure. Setting to the minimum inlet pressure needed for a leak tight seal will prolong elastomer seal life.
   NOTE: (inlet pressure regulator) is not provided by Fastest Inc.

3. Set (test pressure regulator) to desired test pressure.
   NOTE: (test pressure regulator) is not provided by Fastest Inc.

CAUTION: Do not apply test pressure until the pilot pressure, required to seal, is reached. This procedure should also provide quick exhaust of the test piece in the event pilot pressure falls below the minimum required to seal.

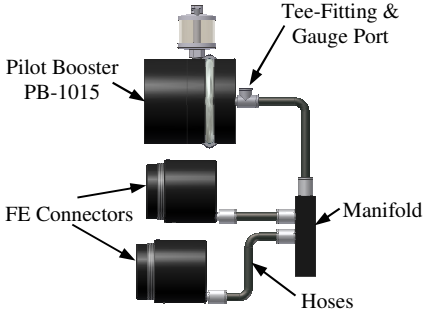
Specifications:

Pressure ratio:	9.2 : 1
Displacement:	1.5 in
Maximum rated inlet pressure:	65 psi
Maximum rated outlet pressure:	600 psi
Media – Petroleum base hydraulic oil:	60 SSU
Ports:	Inlet 1/4" NPTF Outlet 1/8" NPTF

Optional Set-Up for Multiple Connector Applications:

NOTE: Multiple connector capacity will be affected by the displacement requirements of the hydraulic lines.

Multiple Connector Capacity	PB-1015
FE01	8
FE1	4
FE2	2
FE3	1
FE$	1



System Example: