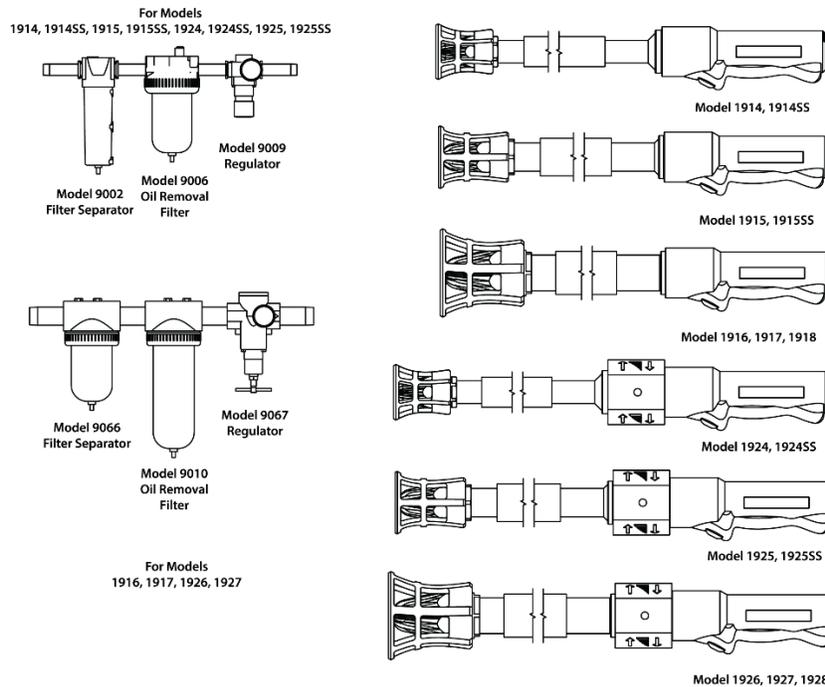


TURBOBLAST[®] SAFETY AIR GUN INSTALLATION & MAINTENANCE



COMPRESSED AIR REQUIREMENTS

For all products covered in this literature, EXAIR recommends the compressed air supply includes pressure-relieving regulators, filter separators, and oil removal filters rated for a pressure of at least 250 PSIG (17.2 BAR, 1.72 MPa). In addition, filter separators used with nozzles should have a minimum of 25-micron filtration, and oil filters should have a minimum of 0.03-micron filtration for all TurboBlast Safety Air Guns models. Use a supply pipe equal to or greater than the 1" compressed air inlet. Do not use restrictive fittings that can "starve" the TurboBlast Safety Air Gun by causing excessive line pressure drop. Information on certain air nozzles that are part of a TurboBlast Safety Air Gun is shown above on this "Installation and Maintenance" sheet for your convenience.

COMPRESSED AIR SUPPLY

With proper filtration and separation of dirt, moisture, and oil from the compressed air supply, the TurboBlast Safety Air Gun will operate for years with no maintenance required.

Use a 25 micron or smaller filter separator on the compressed air supply, Model 9002 Automatic Drain Filter Separator for TurboBlast models 1914, 1914SS, 1915, 1915SS, 1924, 1924SS, 1925 and 1925SS. For TurboBlast models 1916, 1917, 1926 and 1927 use Model 9066 Automatic Drain Filter Separator. For Model 1918 and 1928, consult the factory for sizing recommendations.

To prevent problems associated with oil, use a Model 9006 Oil Removal Filter for TurboBlast models 1914, 1914SS, 1915, 1915SS, 1924, 1924SS, 1925 and 1925SS. For TurboBlast models 1916, 1917, 1926 and 1927 use Model 9010 oil removal filter. For Models 1918 and 1928, consult the factory for sizing recommendations. The oil removal filter should be used downstream from the automatic drain filter separator. Filters should be located close to each TurboBlast Safety Air Gun, within 10 to 15' (3 to 4.6m) is best.

TurboBlast Safety Air Guns are designed to use normal shop air supplies up to 120 PSIG (8.3 BAR, 827 kPa). For infinite control of flow and force, pressure may be regulated. Use Model 9009 Pressure Regulator for TurboBlast models 1914, 1914SS, 1915, 1915SS, 1924, 1924SS, 1925 and 1925SS. Use Model 9067 Pressure Regulator for all other models.

USING TURBOBLAST SAFETY AIR GUNS

A good practice when using the TurboBlast Safety Air Gun is to install a suitably sized ball valve at the other end of the airline supplying the Safety Air Gun. This allows for de-energizing the line during long periods of no use or if debris in the compressed air supply prevents the valve on the TurboBlast Safety Air Gun from closing all the way. Model 900346 (1" NPT Ball Valve) is available from EXAIR to serve this purpose.

The TurboBlast Safety Air Gun is designed to be operated between 50 PSIG (3.4 BAR, 345 kPa) and 120 PSIG (8.3 BAR, 827 kPa). The pilot valve will not open under 50 PSIG and the gun will not operate. Exceeding 120 PSIG can cause damage to the Safety Air Gun and create a hazard to the operator. If less airflow is needed use the optional Gate Valve to reduce airflow to the nozzle.

Be sure to have a firm grip on the hand-held TurboBlast Safety Air Gun before you compress the trigger. The blast of air should be aimed at the target surface. The pilot valve shuts off automatically if the TurboBlast Safety Air Gun is dropped.

All Safety Air Guns and TurboBlast Safety Air Guns meet or exceed OSHA requirements by using EXAIR engineered air nozzles and jets. All are safe to be supplied with higher pressure compressed air and meet the OSHA standard CFR 1910.242(b) for dead-ended pressures. The sound level of all TurboBlast Air Guns exceeds 90 dBA. OSHA allows 3 hours of exposure per day without hearing protection for models 1914, 1914SS, 1924 and 1924SS; 2 hours for 1915, 1915SS, 1925 and 1925SS; 1 hour for models 1916 and 1926 and 1/2 hour for models 1917, 1927, 1918 and 1928. Detailed information on the specific Air Nozzle can be found in the EXAIR Catalog and at www.exair.com.

The optional gate valve can be added to any TurboBlast configuration. The gate valve allows immediate adjustability of the airflow during operation. Turn the collar on the gate valve clockwise to increase airflow and counter-clockwise to reduce airflow. Gate Valves are included on models 1924, 1924SS, 1925, 1925SS, 1926, 1927 and 1928.

SAFE OPERATING PRACTICES

The following is a safety checklist to encourage proper use of the TurboBlast Safety Air Guns.

1. Inspect all of the components used in the compressed air system to make sure that all connections (fittings) are tightened properly.
2. Inspect the TurboBlast Safety Air Gun to make sure there is nothing attached to the end that might become a flying projectile.
3. Always wear safety glasses with side shields when working nearby the blowoff operation.
4. Always consider the direction you blow the compressed air. Make sure the debris flies in a safe direction away from yourself and others.
5. Always depressurize a compressed air line before attaching a TurboBlast Safety Air Gun. Repressurize the line once connected.
6. Never use compressed air to clean your clothing or dislodge particles. These particles can be embedded in your skin. High-pressure air can also penetrate the skin and reach the bloodstream which can produce a serious or fatal injury.
7. Never engage in horseplay or point a TurboBlast Safety Air Gun at someone.

TROUBLESHOOTING & MAINTENANCE

If there is a reduction in flow or force from the TurboBlast Safety Air Gun, check the pressure by installing a gauge at the compressed air inlet of the Air Gun. Large pressure drops are possible due to undersized lines, restrictive fittings, and clogged filter elements.

For replacement or repair of filter and regulator parts, contact EPUTEC at +49 8191 91 51 19 0 or info@eputec.de.

CLEANING

If contaminants have clogged the TurboBlast Safety Air Gun, inspect the unit by removing the air nozzle and air hose connected to the air inlet. Position the air nozzle extension into a soft jaw vise. Use a wrench to unscrew the air nozzle from the end of the extension. Inspect each part for dirt contamination and a possible oil film in the area of the slotted nozzle. Clean each part and reassemble.

Occasionally, there is a buildup that occurs on the surfaces as a result of vapors in the atmosphere. Clean the surface with a solvent and a clean rag. If the TurboBlast Safety Air Gun needs further disassembly for cleaning, it will need to be sent back to the factory for repair.

If you have any questions or problems, please contact:

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