

CAT Air Dryer Cartridge Installation Instructions

WARNING: Read, understand, and follow safety precautions/instructions and to all safety labels attached to drying system. Failure to do so may result in serious injury, death, and/or property damage.

Note: *steps marked in green are to be conducted by the customer.

CONTENTS:

Description	Quantity
Painted Inside/Out white canister	1
2.5 micron filter pad	1
Gasket	1
Cartridge Stud O-ring	1
Grease tube	1

WARNING: Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION: Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

REMINDER: Indicates suggestions for proper use.

SAFETY WARNINGS:

1. **Read entire instructions before installation or servicing of the air dryer.**
2. Never connect or disconnect any hoses/lines containing air pressure or remove a component, fitting or pipe plug unless you are certain that all system air pressure has been completely de-pressurized.
3. Never attempt to service an air dryer until you have read and understood all recommended procedures.
4. Use only proper tools and observe all precautions pertaining to the use of those tools.

INSTALLATION of New DESICCANT CARTRIDGE KIT (Recommend replacement every 1-2 year service interval) = Part #619003

1. With dryer base assembly securely mounted to air compressor's tank, use strap wrench to remove old desiccant cartridge, flat gasket, 3-micron pre-filter pad, & O-ring on cartridge stud from dryer assembly:
 - a. Install new O-ring around the threaded cartridge stud on top of the air dryer base assembly.
 - b. Place new white 3-micron pre-filter pad around newly installed O-ring. Carefully apply small amount of lubricant to both new O-ring & threads on cartridge stud in order to ensure easy removal of cartridge in the future. This is an oil-free compressed air system...so please be sure to remove any excess grease that may have been incidentally been applied to other surfaces.
 - c. Insert black flat gasket into bottom of new cartridge base plate and carefully apply thin layer of lubricant only to the surface of the black flat gasket.
 - d. Assemble new cartridge onto threaded cartridge stud while being careful NOT to cross-thread. **CAUTION:** If X-threading should occur, inspect all threads for integrity. DO NOT use dryer base if the threads on cartridge or threaded cartridge stud appear visually damaged in any way.
 - e. Hand tighten cartridge clockwise until the black flat gasket makes contact with the dryer base. After gasket makes contacts with base, continue turning cartridge for approx. 1/4 of an additional ⁴ lockwise turn. **NEVER** attempt to employ use of a strap wrench to tighten new cartridges onto the dryer base.
 - f. Re-pressurize the compressor and air dryer to listen for presence of any compressed air leakage and tighten cartridge clockwise (if deemed necessary).
 - g. **REMINDER:** Do not over-tighten cartridge as future removal of cartridge may be very difficult.