

## EB-5: Advanced Cleaning

All components requiring Advanced Cleaning shall be processed according to the following guidelines:

1. The work order must specify that the product requires Advanced Cleaning.
2. Parts pulled from the stockroom will have been previously cleaned according to standard procedures.
3. Parts requiring Advanced Cleaning must be cleaned as individual articles prior to assembly and testing.
4. Cleaning, inspection, assembly and testing of Advanced Cleaning products will be done in the general GO assembly area. Working under a clean hood is optional
5. Parts are to be thoroughly immersed and flushed with isopropyl alcohol (min. purity = 98%).
6. Larger parts are to be wiped with an alcohol moistened clean room Q-tip or clean room cloth, etc., until the cloth or Q-tip is visibly clean.
7. Gauges are to be purchased as oxygen cleaned units or sent out for cleaning (documentation required).
8. All Advanced Cleaned parts are to be:
  - a. inspected under a black light that is in a darkened area (or has a suitable shading device to create a darkened area).
  - b. wiped with a white clean room type cloth, and blown off with compressed nitrogen that is filtered to less than or equal to 0.5 microns immediately prior to assembly.
1. Any visible contamination or residue on the part will be cause for rejection. Parts failing inspection are to be re-cleaned per #5 above.
2. After cleaning and during assembly no part in the flow - stream may be touched or assembled without a latex clean room glove.
3. The product is to be assembled using only Krytox lubricant p/n 095000, and only in the areas specified in [EB-6 Lubricant/Chemical List and General Use](#).
4. Any leak detecting fluid used must be thoroughly wiped and blown dry with filtered (0.5 micron) nitrogen prior to further assembly of the product.
5. Excess quantities of Krytox will be removed.
6. All testing of the product is to be carried out using only filtered (less than or equal to 0.5 micron) nitrogen.
7. Upon completion of the product, clean protective caps are to be inserted into all ports to prevent contamination. The product is then bagged in a new plastic bag and sealed.
8. The bag is to be identified with a label. The label will read:

**THIS PRODUCT HAS  
BEEN CLEANED PER  
EB-5 SPECIFICATIONS**
9. The product is to be indelibly marked "EB-5"