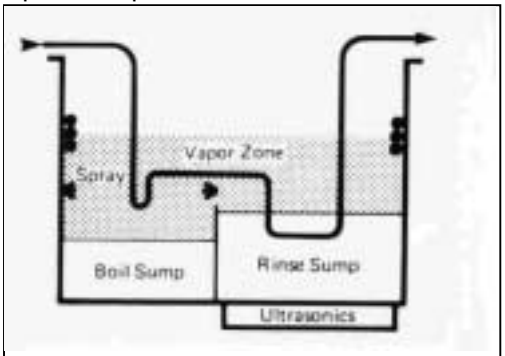
Product Application brief

Facts about cleaning applications using Kinetic cleaning products

Pre Assembly Cleaning of various Oxygen Regulator Components

Cleaning Process

- Various oxygen regulator components, prior to assembly are cleaned in a Kinetic ultrasonic dip vapour degreaser fitted with VaporLok® and containing Dupont HFC solvent Vertrel® MCA.
- A basket load of components is first lowered into the degreaser vapour zone for a vapour rinse to remove soluble contaminates.
- An ultrasonic wash in the immersion sump removes particulate matter to comply with the stringent standards required on Oxygen equipment..
- Final vapour rinse ensure that pure vapour has the final contact with parts.
- Freeboard dwell retains solvent vapours within the equipment minimising consumption and workshop vapour.



Major Advantages of New Cleaning Method

- Improved cleaning
- Smaller equipment footprint.
- Lower solvent consumption 99.30% saving.
- Savings in operating cost of 96.25%
- Improved workplace air quality.
- Solvent recycling and reclamation.

Materials of Construction

Brass -Stainless Steel - Steel - Spring Steel - Kel-F (PCTFE)

Soils and Contaminants

Machining fluids - Particulates -Swarf - Oils - Fingerprints.

Oxygen Regulator components

Previous Method of Cleaning.

Similar process using Ozone depleting CFC 113 solvent.

Major Disadvantage of Previous Method

Solvent consumption was high and operating cost was increasing due to the supply shortages driven price increases for CFC solvents.

Cleaning is Complex we have Simple Solutions