

## SPECIAL APPLICATIONS OF PTFE/TEFLON WHICH WE CAN SUPPLY

1. Use of Sealing elements in Static applications like
  - (a) Flange Packings & Sheath Rings
  - (b) LIP Rings
  - (c) CUP Seals
  - (d) U-seals
  - (e) V ring assembly etc
2. ROTO seals in Rotary Applications in all Hydraulic units.
3. Several Sealing Rings in reciprocating units both Hydraulic and Pneumatic systems such as
  - (a) SLEEVE Rings
  - (b) SPIRAL Back-up Rings
  - (c) PISTON Seals
  - (d) PISTON Guide Strips
  - (e) ROD Guides & PTFE Bonded ELASTOMERS
  - (f) Encapsulated Items
  - (g) Spring Loaded PTFE Elements
4. BEARINGS are designed with PTFE in various shapes & sizes, use increasing because of continuous data available in PV & wear rates, clearly evaluating life of bearings.
5. PTFE LINED PIPES for chemical application
6. AIR COMPRESSOR PISTON RINGS are employed merely because of NO LUBRICATION Requirement
7. CRYOGENIC THERMOMETER 0 to -100 Deg.C.
8. TEFLON COMPOSITES for Hydraulic, Pneumatic and Mechanical Application such as
  - (a) TEFLON FLOW SWITCHES
  - (b) BIO-MEDICAL INSTRUMENTS
  - (c) POLLUTION CONTROL ITEMS
  - (d) TEFLON PLUG VALVES, STOP-COCK, CHECK VALVES
  - (e) TEFLON REGULATORS & CONTROLLER
9. PTFE FLUORCARBONS are also used in
  - (a) WATER PIPE LINE BEARINGS
  - (b) IN CONSTRUCTION WEDGES
  - (c) IN MANUFACTURE OF FLEXIBLE PRINTED CIRCUITS
  - (d) AS BUSHES IN STEERING ROLLERS
  - (e) BRIDGE BEARINGS, PIVOT BUSHES, SLIDE BEARINGS, THRUST & JOURNAL BEARINGS
  - (f) AS SLEEVES IN HEAT EXCHANGER EQUIPMENT.
  - (g) REFRIGERATOR CONTAINER DOORS
  - (h) AS BEARINGS IN MOTOR PUMPS
  - (i) IN MECHANICAL FOG GENERATORS
  - (j) IN OXYGEN PUMPS AS PROTECTION AND FAIL SAFE ACTION
  - (k) IN LOBE PUMPS AND VANE PUMPS
  - (l) FOR LINING OF BRAIDED HOSES
  - (m) DIAPHRAGM VALVES
  - (n) IN AIRCRAFTS USED AS FIRE PROOF HOSE, AS FLOATS IN FLOAT VALVES, SHEATHING IN AIRCRAFT TO PERFECT WIRING CIRCUITS & OTHER CAPILLARY SYSTEMS
  - (o) IN ELECTRICAL APPLICATION IN VHF & UHF TRANSMITTING SYSTEMS
  - (p) AS ELECTRICAL INSULATORS IN ELECTRO STATIC FILTERS

(q) OTHER ELECTRICAL APPLICATIONS INCLUDE CO-AXIAL CABLE CONNECTORS, VALVE HOLDERS, HIGH TENSILE INSULATORS, INSULATED WIRING, FLEXIBLE CONDUITS, LEVEL DETECTORS & CONTROLLER IN ELECTRONIC LEVEL MEASURES.