



# High Purity Virgin PTFE Pumps.

y-t-s.co.jp

## High Purity Virgin PTFE Pumps for Clean Room Chemical Transfer.

Pneumatic double diaphragm pumps manufactured from high grade virgin PTFE available in six different models. Class 1000 clean room assembled, tested & packed, these pumps have very high chemical resistance, low particle counts and a reduced chance of metallic ion contamination. Designed specifically to transfer highly aggressive slurry laden chemicals in a clean metal free process, they are used primarily in the manufacture of semiconductor chips as well as in some laboratories & clean rooms. Utilizing heavy duty reinforcement plates, fully bolted construction and machined liquid mating surfaces, they will resist torque loss, material creep and the chance of dangerous liquid leaks occurring over time. Special 100% non lubricated air motor designed to reduce the chance of liquid process contamination and also offers 100% clean emissions free exhaust air. Able to transfer liquid slurries, run dry, self prime & dead head without adverse wear and tear to the pump.

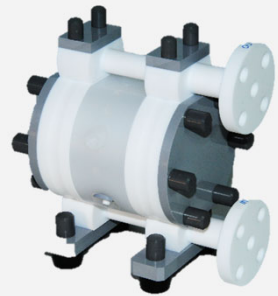
### High Purity Virgin PTFE Pumps

- Pneumatically Powered Double Diaphragm Pumps.
- Six Different Models with 1/4" 1/2" 3/8" 3/4" & 1" Connections.
- High Purity PTFE / PFA (Metal Free) Liquid Wetted Section.
- PPS / Pure PP / HDPE Air Motor Section.
- Class 1000 Clean Room Assembled Tested & Packed.
- Very High Chemical Resistance with Low Particle Counts.
- Transfer Liquid Laden Slurries.
- Able to Dry Run, Self Prime & Dead Head.
- Liquid Flow Rates up to 95 L/Min with Reduced Liquid Pulsation.
- 100% Non Lubricated; Grease & Oil Lubrication Free Design.
- 100% Clean, Emissions Free Exhaust Air.
- New Looped C® Spool & Air EcoRing.
- Drop in Dimensions and Common Footprint.
- Maintenance Friendly Construction.
- Outside Accessible Air Spool & Fully Independent Pilot Valves.
- All Modular & Fully Replaceable Wear Components.
- Reinforced Body & Fully Bolted Construction.
- All Machined Liquid Mating Surfaces.
- Flanged & Threaded Pump Options.
- Ball Valve & Flat Valve Pump Options.
- Air Actuated & Electrically Actuated Pump Options.
- Fully Torqued & Tested Prior to Shipment.

*High Purity Pumps Designed & Manufactured in Japan.*

### TC-X100HTJ/A

3/8" Pure PTFE Pump  
27 L/min



### TC-X250HTJ/A

1" Pure PTFE Pump.  
65 L/min



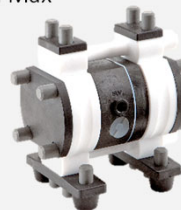
### TC-X400HTJ/A

1" Pure PTFE Pump  
95 L/min



### TC-X030HT

1/4" Pure PTFE Pump  
8.2 L/min Max



- ❑ Air Powered Double Diaphragm Pumps Manufactured in Japan with Superior Quality & Finish.
- ❑ Designed for High Performance Operation & Long Life Expectancy.
- ❑ Engineered with Design Features Not Often Found in Other Brand Pumps.

### AODD Pump Capabilities.

- |                      |                               |                                |
|----------------------|-------------------------------|--------------------------------|
| Self Priming.        | Variable Discharge Pressures. | Inherently Safe Design.        |
| Run Dry.             | Transfer Liquid Slurries.     | Portable & Easy to Use.        |
| Run up to Dead Head. | Transfer Large Sized Solids.  | Transfer Viscous Fluids.       |
| Variable Flow Rates. | Handle Abrasives.             | Frequent Start Stop Operation. |
| Shear Sensitivity.   | Transfer Chemicals.           | Powered by Compressed Air.     |

For more information about TC-X Pumps please contact: [sales@yts-pump.com](mailto:sales@yts-pump.com)

©YTS Co Ltd Japan. All Rights Reserved 2020



ATEX Compliant  
II 2GD c T5



JQA-QMA14279

091