



Precision Liquid Dispensers

OBPW designs and manufactures a wide variety of systems for automating liquid handling processes. Our liquid dispensers are designed for both stand-alone manual use and for easy integration into automated systems. Since 1979, OBPW has been successfully solving problems and supplying reliable and cost-effective equipment for liquid handling. Our systems offer the following capabilities:

- **Very high accuracy**
- **Very high speed**
- **Gentle pump action**
- **Virtually inert fluid path**
- **Multiple pump channels**
- **Designed for automation**
- **Continuous duty (24 hour)**
- **International voltages**

Precision Liquid Dispensers

- Accurate: CVs < 1% and as low as 0.1%
- Fast: As low as 0.1 second per dispense and up to 30 ml per second continuous flow
- Easily maintained and extremely reliable: 24-hour use
- Gentle pump motion: Moves liquid in pockets enabling pumping of delicate cell suspensions
- Virtually inert fluid path: Enables pumping acids, bases, solvents



Single Channel

Single and Multiple Pump Channels

- Any number of pumps
- Commonly or individually controlled
- Multiple pump sizes can operate together
- Pumps can be set to the same or different doses
- Pumps can be assigned the same or different solutions



Heated Single Channel



16 Channel

Controls

- Adjustable pump speeds
- Adjustable volumes
- Adjustable strokes per dispense cycle
- Selectable flow direction (forward/reverse)
- Remote cycle start
- Easy integration with conveyors, robotics, or other automation

Options

- Heated fluid path (three separate heat zones for intake, pump, and discharge)
- Choice of materials used in fluid path
- Recirculation of suspensions
- Repeat cycling with adjustable dwell time between cycles
- Automation interfaces
- International voltages and frequencies