



# BENCH TOP DUAL SYRINGE PUMP (BTDP SERIES)

The Floxlab™ BTDP series pumps are designed for applications requiring accurate pulse less flow and pressure control for delivery of fluids, solvents, solutions or gas. The BTDP model uses two pump cylinders connected together by two 3-way constant volume valves.

## FEATURES

- ◆ Individual or in pairs operation
- ◆ Floxpump™ logging software
- ◆ Touch screen panel
- ◆ Temperature operations
- ◆ Automatic valves
- ◆ Stainless steel or Hastelloy wetted parts
- ◆ Pump mixer
- ◆ CO2 gas sealing



## OPERATION MODES

- ◆ Constant flow operation
- ◆ Constant pressure operation
- ◆ Delivery or extraction of fluids
- ◆ Predefined volume can be delivered or received at constant flow rate.



### Large choice of fluids

BTDP series can be used with various fluids such as:

- ❖ Heated fluids
- ❖ Viscous fluids
- ❖ Aqueous and organic fluids
- ❖ Liquified gases
- ❖ Corrosive solutions
- ❖ Slurries and pastes



### Continuous, Pulse free flow

While one cylinder is delivering fluid, the other cylinder quickly refills. They are Pulse-free pumps by incorporating a pre-pressurization phase into each piston stroke, rather than relying on reciprocating pistons.



### Very wide range of flow rate

BTDP pumps can handle flow rates from 0.0001 ml/minute to 250 ml/minute.

Thanks to their motor technology, the pumps provide exceptionally accurate flow rates.



### Accurate volume measurement

Pre-pressurization enables to eliminate volume measurement error due to fluid compressibility.

The Floxlab BTDP series provides a wide choice of pressure ratings, volumes and flow rates.

**YOUR SUPPLIER OF HIGH PRESSURE PUMPS**

MODEL	VOLUME (ML)	PRESSURE (PSI)	MAX FLOW RATE (ML/MIN)	MINI FLOW RATE (ML/MIN)	CONNECTIONS
BTDP 50-30	50	30,000	20	0.0001	1/8 inch LP
BTDP 150-30	50	30,000	20	0.0001	1/8 inch LP
BTDP 100-10	100	10,000	45	0.0001	1/8 inch LP
BTDP 125-20	125	20,000	30	0.0001	1/4 inch HP
BTDP 175-15	175	15,000	30	0.0001	1/4 inch HP
BTDP 300-15	300	15,000	40	0.0001	1/4 inch HP
BTDP 250-10	250	10,000	60	0.0001	1/8 inch LP
BTDP 250-20	250	20,000	35	0.0001	1/4 inch HP
BTDP 500-5	500	5,000	130	0.0001	1/8 inch LP
BTDP 500-10	500	10,000	70	0.0001	1/8 inch LP
BTDP 1000	1000	1,875	250	0.0001	1/4 inch NPT
BTDP 1000-5	1000	5,000	130	0.0001	1/4 inch NPT

## APPLICATIONS

- ❖ Science markets
- ❖ Oil field research
- ❖ Reactant feeding supercritical fluids
- ❖ Production environments where precision in flow rate or volume measurement is critical.

### Address

23 rue du Port  
92022 Nanterre  
FRANCE  
[contact@floxlab.com](mailto:contact@floxlab.com)  
[www.floxlab.com](http://www.floxlab.com)

### For more information



**YOUR SUPPLIER OF HIGH PRESSURE PUMPS**