

## GLENMARC PORTION-AIRE® PDV1000T DISPENSE VALVE

This dispense valve is designed to dispense accurate shots of low to medium viscosity materials such as cyanoacrylate adhesives (super glues), Anaerobics (threadlockers), contact cements, thin solder masks, solvents, oils, lubricants, etc.

### Features:

- Luer lock needle adapter for wide range of standard dispense needles
- Adjustable stroke for easy precise shot size adjustment
- All parts of valve that contact fluid material are Teflon
- Precise engineered Teflon diaphragm allows millions of trouble free repeatable shots
- Uses single pneumatic line for simple valve control



### GENERAL OPERATING PRINCIPLES

The PDV1000T is a normally closed diaphragm air-operated dispense valve. Air pressure from a pneumatic control system to the air-input fitting on the valve opens the internal piston and moves a given distance which is controlled by the stroke adjusting screw. A spring returns the piston when the air pressure is removed. A material feed input line is connected to the tubing connector on top of the valve, the diaphragm controls the material flow through out the valve. Material feed pressure is usually 1 psi to 15 psi (depending on viscosity of material) Dispense valve piston operating pressure 40 psi to 80 psi

**Part Number: PDV1000T**



2001 S. BLUE ISLAND AVE.  
CHICAGO, IL 60608

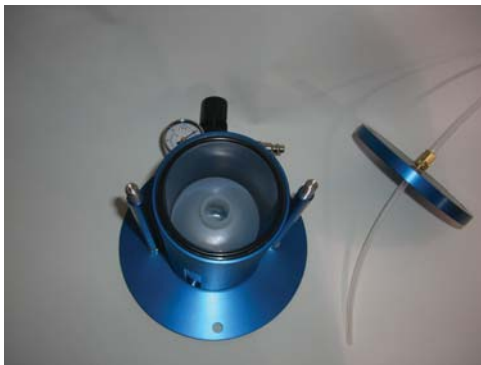
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## CA BENCH TOP DISPENSE SYSTEM



PV2000DT Valve controller with PDV1000T Valve controller, PAMS1LBTANK System, and stand.



PAMS1LBTANK-Tank dispense system for 1 lb bottles, comes with regulator and pressure relief valve



PDV1000T Dispense Valve



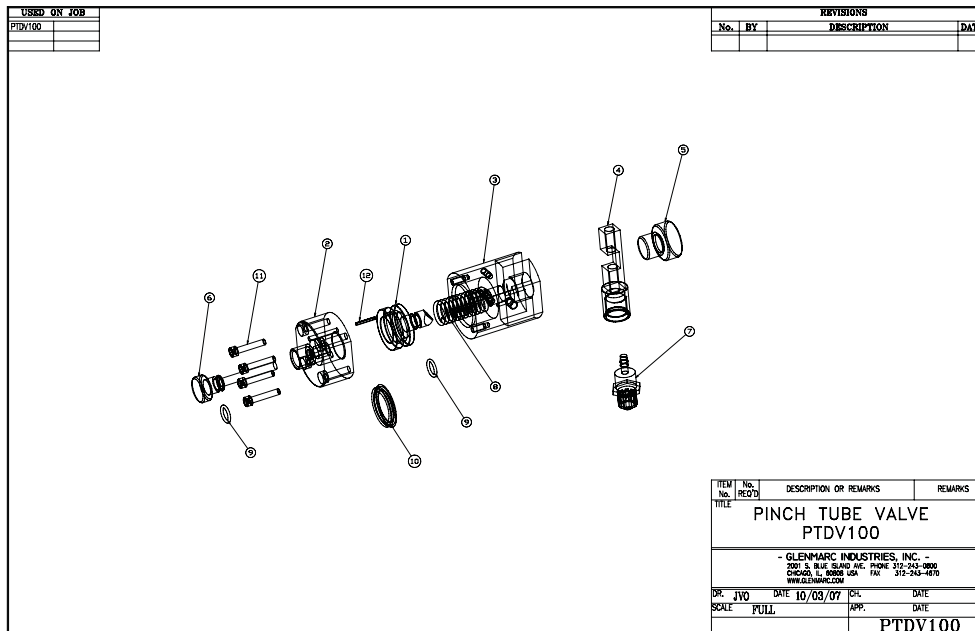
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## Glenmarc PDV1000 Dispense Valve



PDS200 Dispense Valve Controller with  
External Tank pressure control

# Glenmarc PTDV100 Pinch Tube Dispense Valve



## Glenmarc Various Material Dispense Tanks



Drop in Filled Jar or Bottle in PAMS Tank



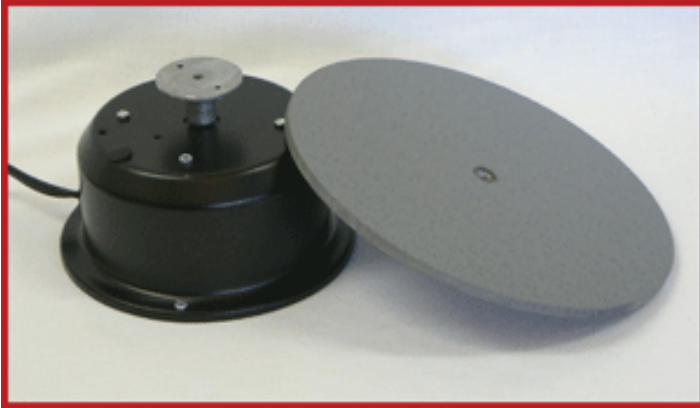
Cartridge Tanks Available in  
2-1/2, 6, 12, and 20 Ounce configurations



Bottom Outlet with Internal  
Wiping Piston for Thick Viscosity  
Available in 1/2, 1, 2, 5, 10 Gallon  
Heater and Agitator Options Available

## GLENMARC ELECTRIC TURNTABLES

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**GTT1058**



**GTT1208**

### Turntables

Part #	Color	Capacity (lbs)	RPM	Top Size (in)	Base Diameter (in)	Height (in)
GTT1046	Black	8	3	6	4 3/4	3 1/4
GTT1058	Black	25	3	8	6 1/4	4 1/8
GTT10512	Black	25	3	12	6 1/4	4 1/8
GTT11012	Black	50	2	12	7 3/4	4 3/4
GTT11017	Black	50	2	17	7 3/4	4 3/4
GTT1208	Gray	100	2	8	8 1/2	7 3/8
GTT12012	Gray	100	2	12	8 1/2	7 3/8
GTT12017	Gray	100	2	17	8 1/2	7 3/8
GTT12512	Gray	150	2	12	11 1/2	5 1/8
GTT12517	Gray	150	2	17	11 1/2	5 1/8
GTT 12517S	Gray	150	2	17 Steel	11 1/2	5
GTT 12523S	Gray	150	2	23 Steel	11 1/2	5



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# GLENMARC X Y Z ROBOT 200/300/400BL Series



Automate your dispensing process without a big investment

## Easier, faster XYZ fluid dispensing than you thought possible

Model 200/300/400BL series is a compact desktop robot with a working area 200mm / 300mm / 400mm and featuring all the programming functions and memory capacity of the larger automated dispensing industrial robots. The BL series dispensing robot is an ideal choice when cost and bench space are important considerations. The dispensing robot can accept dispensing valves and syringes with tooling loads of 6kg.



### Features

- No computer skills required
- English / Chinese version available
- 300 programs, 9000 points per program
- Easy programming with the 4.3" touch panel
- Height sensor for critical deposit control
- Interpolates lines or arcs for 3D dispensing
- Continuous path motion for perfect XYZ dispensing
- Fully integrated positioning and dispensing functions
- RS232 allows for easy data transfer between robot and PC

### Specification

- Max speed XY axis - 400 mm/sec
- Max speed Z axis - 150 mm/sec
- Setting range / speed - 200 mm/sec
- Repeat accuracy - 0.01 mm
- Resolution of each axis - 0.01 mm
- Linear accuracy -  $\pm 0.02$  mm
- Z axis endurable - 6 kg
- Y axis endurable - 20 kg
- Feeding speed - 150 dots/min
- Driver system - Micro stepping motor
- Operating system - PLCM ( Programmable Logic Control Motion )
- Software feature - 2.5D arc, circle, dot, line, curve
- Optional - Manual Pulse Generator \*1/\*10/\*100



PV2000DT VALVE/SYRINGE DISPENSE CONTROLLER



DISPENSE VALVES



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GLENMARC Portion-filler PV-2000

www.glenmarc.com

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NUM CPU PRG

No. 0 Line

X 0000.00 Y 0000.00 Z 0000.00

Timer 0.000 Sec On 0

Go Ok

11	102.48
21	137.21
22	0.00
23	

ENTER





GLENMARC Pelton-line PP-2000

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1000 LPS PER

NO. 1 L. Iron

X 10000.000 Y 10000.000 Z 10000.000

T fiber 0.00000000 0.00000000 0.00000000

Go

21 123.000  
22 100.000  
23 80.000

ENTER