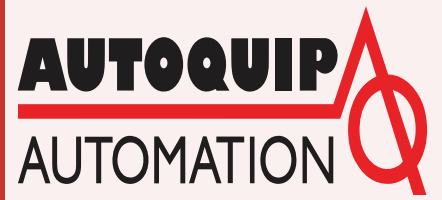


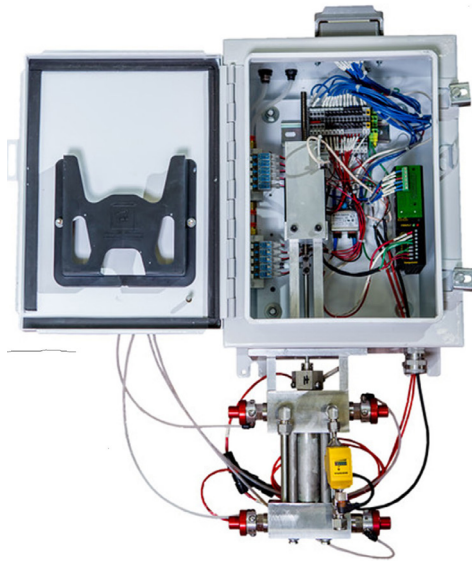
Dispense Pump

#3088



System Description

The Autoquip 1K Dispense pump is specifically designed for accurate high and low flow performance and if required can be configured to work with closed loop flow control. Our dispense pump is equipped with a stepper motor driven system designed to control the speed for more accurate material metering. The simple, easy to use control system employs touch screen for user interface.



Standard Features

- 35cc/stroke and 70cc/stroke cylinder sizes are available.
- 1.0cc/min minimum flow rate is obtainable.
- Accurate flow rate control of high cost coating materials.
- Digital servo stepper motor provides 20-40 millisecond ramp-up speed for no flow to desired flow.
- Linear servo stepper motor for high accuracy (resolutions to .0006cc and flow rates less than 1cc per minute).
- Inlet and outlet pressure transducers provide both safety and useful process information for process verification and trouble shooting.
- Standard controls provide easy interface to robots and application/dispense machines.
- System can be provided for installations in non-hazardous and optional hazardous (purged) configurations.
- Optional flow meter interface verifies pump performance.
- Multiple pumps can be interfaced to a single control system.
- Dual path flushing available for faster color change.
- Wetted components compatible with even aggressive fluids.
- Compact design provides for convenient mounting possibilities and/or future system add-ons.
- Constant pump seal lubrication for long life.
- Completely void of pockets or recesses that trap paint materials.
- Compact system integrates easily with booth side color change components.
- The basic system includes control, stepper motor and drive, flushable dispense pump, outlet pressure transducer, 4 way fluid valve balanced system.

Technical Specifications

Environmental / Physical

Size: Main Control Console	30"h x 24"w x 8" d
Dispense Pump Panel	16"h x 20"w x 8"d
Operating Temperature:	32oF to 110oF inside enclosures
Power Input:	120 VAC @2A (self selecting)
LCD Display:	5.7", monochrome LCD, 320 x 240 pixel display, LED backlight
Processor:	Micrologix
Dispense Flow Capacity:	1 cc/min to 400 cc's/min per channel (dependent upon material)
Job Tables:	1-99 Jobs (P-Sets) per gun
Data I/O:	Serial & Ethernet
Working Air Pressure	75-120 psi (5.2-8.3 bar)
Max Inlet Fluid Pressure	300 psi (20.7 bar)
Max Dispense Pump Flow Rate	400 cc's/min
Min Dispense Pump Flow Rate	1 cc/min
Flow Range	35 cc pump: 200 cc's/min 70 cc pump: 400 cc's/min
Viscosity Range of Fluid	10-3000 cPs
Flow Tolerance Range	Up to +/-1%

Wetted Parts 300 series stainless steel, PTFE

Options

Multiple system configurations

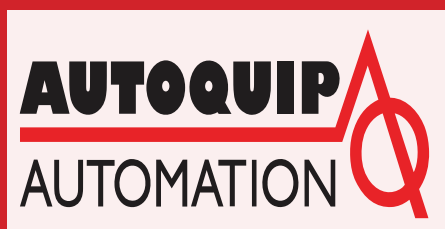
- Add on Gear Pump Unit
- Dispense 1K with Controller Unit
- Dispense/Dispense 2K Complete Unit
- Or part of 3K System Unit

Autolog option for VOC reporting

Optional flushing valves

Hazardous location installation available

Closed loop metering systems



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