NEW

# Electric Valve Gates (E-VG)

## CLEAN AND ENERGY EFFICIENT

### KEY FEATURES

**high closing force**

closing forces almost two times higher than pneumatic actuators.

**fast cycle times**

valve response time is 0.1 seconds, which allows cycle times down to 0.9 seconds.

**90% energy savings**

consumes only 10% of the energy used by traditional actuators.

**cleanroom friendly**

E-VG is suitable for cleanroom applications as it produces almost no particulate pollution.

**reliability**

E-VG is covered by a 2 year warranty and saves on maintenance costs as it has no wear components.

**reusability**

actuators can easily be removed and used on future molds.

▲
**2 cavity Accu-Valve CX hot half with 75mm and 55mm E-VG**

### TYPICAL APPLICATIONS


CONSUMER ELECTRONICS


MEDICAL


PACKAGING


CONSUMER GOODS

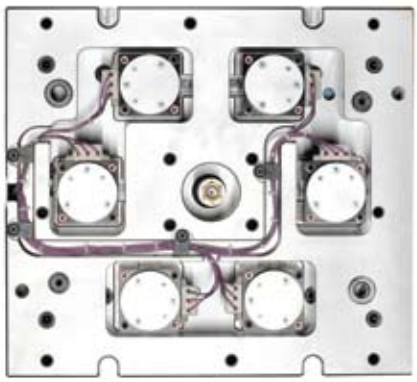


Mold Masters performance delivered

NEW

# SPECIFICATIONS

- input power: 230 V
- actuator stack height: 100mm + 35mm mounting plate
- stroke length:
  - for 75mm solenoid: 3mm and 8mm
  - for 55mm solenoid: 3mm
- minimum pitch:
  - for 75mm solenoid: >78mm
  - for 55mm solenoid: >58mm
- available gating styles: any cylindrical valve gate
- number of cavities: 2-8
- resins: commodity resins, ABS, PA
- maximum valve pin diameter: 3.2-5mm



**6 cavity valve gated hot half with 75mm E-VG (8mm stroke)**

| Energy Consumption Comparison | |
|---|---|
| Type | Yearly cost (US $0.08/KWH) |
| Pneumatic / Hydraulic (1.5 KWH) | US $785 |
| Electric (0.14 KWH) | US $74 |

** based on 4 cavity mold running 10 second cycles for 8,000 hrs/yr*

## ELECTRIC VALVE GATE CONTROLLER

- simple touch screen interface
- each valve pin can be separately actuated for sequential filling or for running family molds
- each cavity can be turned off individually using the controller
- single cable multi-pin connection

**E-VG sequential controller**



Mold Masters performance delivered