

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 0.3 seconds, which allows cycle times down to 3 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



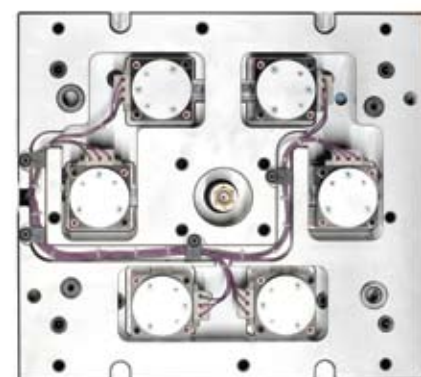
PACKAGING



CONSUMER GOODS

► 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