

Digipack Parison Controller



Digipack features

- Functions such as 'profile' and 'weight', etc are quickly and accurately programmed using the rotary entry knob allowing the desired parison wall thickness profile to be reached.
- 30 or 100 point profile. Only the end points of any straight line section of the profile must be defined.
- Continous as well as accumulator head machines.
- Program point 'markers' can be set for each profile point. Marker points are sent to a digital output and can be used to synchronize external equipment such as container pre-blow, Parison pinching.
- Available in English / Japanese (30 point model) and English / Japanese / Chinese (100 point model)
 - Up to 100 individual containers including profile and tooling setup data can be stored in the Digipack.
- All current operation information is stored in memory and may be displayed as required.
- Semi automatic span and zero adjustment for tooling changes is provided.
- Servovalve current and DCDT position monitor.
- Serial interface to PC.

Profile Screen

All of the information necessary for normal operation maybe displayed on this screen.



Profile is easily drawn using a 2 through 30 (2 through 100 for 100 points) program points. The die gap, program start delay, shot size, weight etc. may be adjusted by using the "Entry Knob". The screen profile is similar to the actual parison wall thickness profile as it includes the weight setting.

Monitor Screen

This screen provides information about the Digi Pack's working condition.



Tooling cylinder position may be controlled directly by the "Entry Knob".

To verify servovalve operation, a manual input signal may be directly applied to the servovalve.

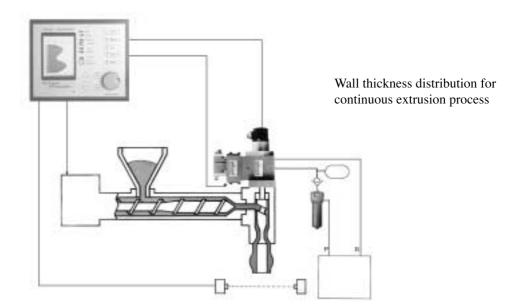
Sequencer operation may be tested by observing the sequence pattern on the monitor screen.



Electro Mechanical Actuators



Servo Valve G631 Series



Set Up Screen

The set up screen aids and simplifies configuration adjustmens with the blow molding machine.



The die gap is directly controlled by the "Entry Knob" during tooling setup.

When the proper die gap reference position is obtained, it is stored in memory by pushing a set up button.

System gain is adjusted using the "Entry Knob".

File Screen

All data input to the Digi Pack is stored as numerical data.



Memory capacity is 100 (60 for 100 points) individual container information sets.

EEPROM's are used to prevent information loss in case of power failure. The data may be monitored and transfered using the RS232C port and a personal computer.



Propotional Control Valve D634 and D633 Series



Propotional Control Valve D661Series



Specifications

Application : Parison controller for either continuous or

accumulator blow molding machines.

Power Supply : AC100-240V 50/60Hz

Operating Temperature: 0-45 deg C
Operating Humidity: 95% or less
Screen: Back Light LCD

Set Up : Entry Knob and function keys.
Input Signal : Start Signal......Photocoupled
Die Gap Signal.....Photocoupled
Tooling Position ± 10 Vdc

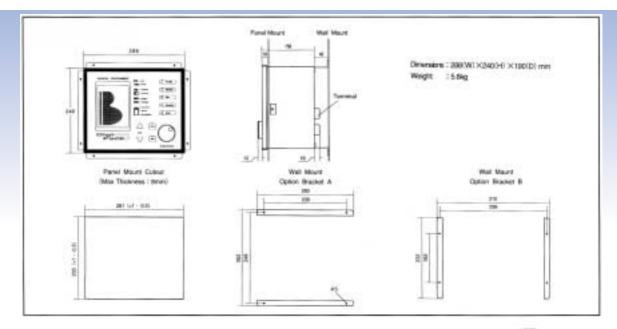
Accumlator Position..... ± 2 Vdc

Output Signal : Servovalve Signal..... ± 100mA or ± 10 Vdc

Marker OutputPhotocoupled

Accumulator FullPhotocoupled and/or Relay Contact End of extrusionPhotocoupled and/or Relay Contact

Installation





Propotional Control Valve D662 - Fail Safe Series



Servo Hydraulic Actuators