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.
- Continuous 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 pатem on the monitor screen.

Electro Mechanical Actuators

Servo Valve G631 Series
Set Up Screen
The set up screen aids and simplifies configuration adjustments 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 transferred using the RS232C port and a personal computer.

Propotional Control Valve
D634 and D633 Series

Propotional Control Valve
D661 Series
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
    - Accumulator Position 2 Vdc
- **Output Signal**: Servo Valve Signal 100mA or 10 Vdc
  - Marker Output Photocoupled
  - Accumulator Full Photocoupled and/or Relay Contact
  - End of extrusion Photocoupled and/or Relay Contact

Installation

![Diagram of installation](image)

- **Propotional Control Valve**: D662 - Fail Safe Series
- **Servo Hydraulic Actuators**

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