

MOLDING MAXIMIZED



COREPULL[®]
HYDRAULIC POWER SYSTEMS

HYDRAULIC POWER SYSTEMS FOR ELECTRIC PLASTIC INJECTION MOLDING MACHINES

PERFORMANCE



PRECISION

Built specifically to handle plastic injection molding for electronic injection machines. Control features that allow you to monitor and change pressure and flow, sequence valves, or start and stop the unit on the fly.



DESIGN

Small, compact design that is built for longevity, mobility, and reliability. Quiet and cool operation with the ability to start and stop the unit with a 24 VDC signal.

ADAPTABILITY

Fully customizable with smart pressure, level, and flow sensors that are IoT ready. The manifolds are available with up to 12 stations, with valve stacks on each station configurable to your project's requirements. Utilize a wide range of settable operating pressures and flows which are digitally controlled.

EFFICIENCY

Realize huge energy and cost savings thanks to an inverter-controlled, variable speed electric motor. Benefit from exceptional control with fixed-displacement pumps and a variable-speed electric drive to match pump output to load demand.

- Save up to 63% on energy costs
- No cooling water required
- Quiet operation 60 to 68 dba
- Operates around room temperature

RESPONSIVENESS

Servo controlled hydraulics on demand. When there is a need for pressure, the on-board control system responds by accelerating to 4,000 RPM with 1/10 of a second by utilizing a pressure transducer to sense demands.

VERSATILITY

The range of CorePULL® Hydraulic Power Systems are engineered to meet diverse operational capacities, customizing each system to your specifications and applications. Multiple cores or auxiliary functions, such as valve gates, can be run using a manifold with a variety of circuit configurations. For better functionality, the keypad on the front of the CorePULL units allows for a fast and easy way to change pressure and flow.



FLUID POWER

- 01 Inverter-based system designed for maximum performance while maintaining low energy consumption, low noise, lower operating temperature, and minimal oil usage.
- 02 Capable of anywhere from 1,000 to 3,000 PSI standard. Standard or custom units between 7 to 100 gal/min.
- 03 Unlimited number of valve stock options.
- 04 Unit capable of live hydraulics functioning for continuous pressure to your fixture.
- 05 Higher volume flow rate than conventional systems. (up to 5 GPM)



UNITS



EHU30R
7 gal/min
up to 1,000 PSI
3 1/2 HP
D03 size valves
5-gallon reservoir
single pump system

SUT10D60
16 gal/min
up to 3,100 PSI
7 HP
D05 size valves
25-gallon reservoir
high/low system



SUT06D40
11 gal/min
up to 2,100 PSI
5 HP
D05 size valves
15-gallon reservoir
high/low system



SUT10D80
21 gal/min
up to 2,500 PSI
9 HP
D05 or D08 size valves
25-gallon reservoir
high/low system

SUT110
29 gal/min
up to 3,000 PSI
15 HP
D05 or D08 size valves
50-gallon reservoir
Double pump system



LOW PROFILE UNIT
11-21 gal/min
up to 3,000 PSI
5-9 HP
D05 size valves
10-15 gallon reservoir
Double pump system



OPTIONAL ACCESSORIES

Precise control plus energy efficiency to fit your application.



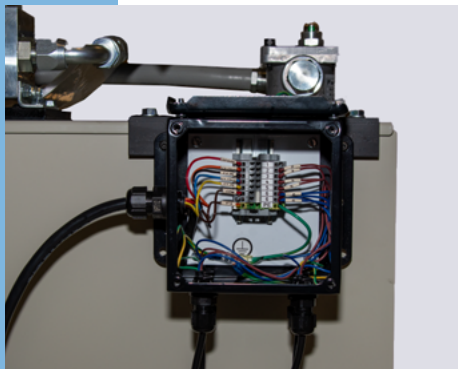
PLC W/ INTEGRATED HMI

Robot or machine communications that allow for continuous monitoring in real time.



REMOTE MOUNT KEYBOARD

Replaces keypad on unit and can be mounted horizontally or vertically.



ECONO J-BOX

Makes the communication interface with your injection molding machine's controller a plug-and-play feature.



WHEEL KIT

Options for mobility in multiple or tight space requirements.

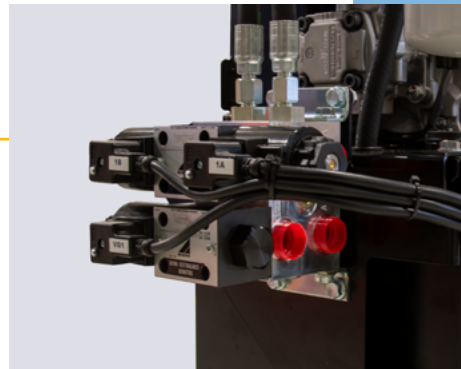
LEVEL SENSOR

Monitor fluid levels to detect leaks and prevent overflow.



VALVE GATE

Support consistent control. Eliminate the need for cooling and trimming of runners to reduce cycle time and improve part quality.



HEAT EXCHANGER

Remove heat from oil in the injection molding machine to ensure part consistency.



ACCUMULATOR

Bladder accumulator with 800 PSI, and a mounting plate. Isolation mounting clamps are included with dual port flow control module.





ALL WORLD

HEADQUARTERS

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