PIPING FOR BASIC DRILL-DWELL CIRCUIT

Flow Control Valves
Controlled Flow Out

4-Way 5-Port Double Solenoid
Momentary Contact Air Valve

Depth & Interlock Switches

Feed Sol. Retract Sol.

Feed Regulator Retract Regulator

Lubricator Filter

Air In

Hypneumat Inc. • 5900 West Franklin Drive • Franklin, WI 53132-9178 • (414) 423-7400 • Fax: (414) 423-7414
230/460 Volts
3 Phase 60 Cycle
Thru Fused Disconnect

<table>
<thead>
<tr>
<th>Line No.</th>
<th>Cycle Start</th>
<th>Emer. Stop</th>
<th>Int. Sw.</th>
<th>Depth Sw.</th>
<th>Timer</th>
<th>Motor</th>
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<tbody>
<tr>
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<td>N.O.</td>
<td>N.O.</td>
<td>1CR</td>
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IMPORTANT
THIS CIRCUIT IS A BASIC METHOD OF CONTROLLING HYPNEUMAT EQUIPMENT.
CHECK LOCAL, STATE, & OSHA REGULATIONS FOR SPECIFIC CIRCUIT REQUIREMENTS.
1. Turn Motor Selector Switch to “ON”.

2. Push Cycle Start Button  
   a. Supplies Power to Circuit (1CR).

3. Push Twin Palm Feed Buttons  
   a. Valve Shifts and unit feeds forward.

4. Depth Switch is actuated at depth required  
   a. On Delay Timer begins Dwell Sequence.  
   b. Timer Times Out.  
   c. Valve Shifts and Unit Rapid Retracts.

EMERGENCY STOP

1. Push Emergency Stop Button  
   a. 1CR Master Relay Drops Out.  
   b. Motor Shuts Off and Coasts to Stop.  
   c. Valve Shifts and Unit Rapid Retracts.