Quality you can trust for the new normal of today’s unconventional operations

Engineered and manufactured for rugged reliability and reduced maintenance, you can rely on our field-proven Hydra Rig™ manufacturing and injector design to tackle the new demands that come with quench and tempered coiled tubing. While offering weight savings over our largest injector offering, the HR-6120 maintains the brute dependability you have grown to expect from Hydra Rig.

Whether you are packaging a new, custom-built unit with the HR-6120 model injector, or just replacing an existing one, the HR-6120 can be retrofitted on most of our existing units within the footprint of many of our injector models.

Designed to handle 2- to 2¾-in. coiled tubing strings, this model is capable of running 140,000-psi designs with superior slow-speed control (inches per minute). The HR-6120 has an 120,000-lb continuous lifting capacity and 60,000-lb continuous snubbing capacity.

The drive system and traction system included in our design enhances performance in the field.

Options

- Radius tubing guide sizes: 100 in. (1,200 lb), 120 in. (1,500 lb), and 140 in. (1,800 lb); Available in standard flare, hydraulic flare, and short-fold versions
- Injector counter
- Fold-down walkways
- Electronic or combination of electronic/hydraulic load cells
- Fall protection device
- Lift bale or sling options on dual-mounting lugs

Upgrades

- Injector auto-lubrication system
- Slip mitigation system
- Remote tubing alignment (patent pending)
HR-6120 Coiled Tubing Injector

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum speed (min. displacement)</td>
<td>160 ft/min</td>
</tr>
<tr>
<td>Maximum speed (max. displacement)</td>
<td>84 ft/min</td>
</tr>
<tr>
<td>Horsepower</td>
<td>180-hp continuous at 120° F</td>
</tr>
<tr>
<td>Lifting capacity through outer frame</td>
<td>140,000 lb</td>
</tr>
<tr>
<td>Lifting capacity from stripper</td>
<td>120,000 lb</td>
</tr>
<tr>
<td>Assembled weight: 120-in. gooseneck installed, no stripper</td>
<td>18,000 lb</td>
</tr>
<tr>
<td>Approximate individual gripper weight</td>
<td>6 lb</td>
</tr>
</tbody>
</table>

Drive system

- Deep reduction, purpose-built gear drives
- Dual hydraulic motor input (variable displacement, piston motors)
- Counterbalance valves hard-plumbed to motor
- Heavy-duty drive bearing
- Dual spring-applied/pressure-released brakes mounted between the hydraulic drive motors and gear drives
- Patented hydraulic timing system combines the best features of both timed and untimed drives

Traction system

- Reduced remove/install time with our “quick disconnect” gripper system (1-3 seconds)
- Hardened and grooved single piece grippers
- Elastomeric suspension system for grippers
- Reduced maintenance with no greasing of chain bearings required due to “sealed-for-life” design
- Purpose-built and simplified direct down tension chain system
- Spray type injector chain lubricating system
- Skates utilize patented strain-relief feature designed for improved traction performance
- Four independent sets of two rod type hydraulic cylinders
- 180-pitch heavy-duty roller chain links