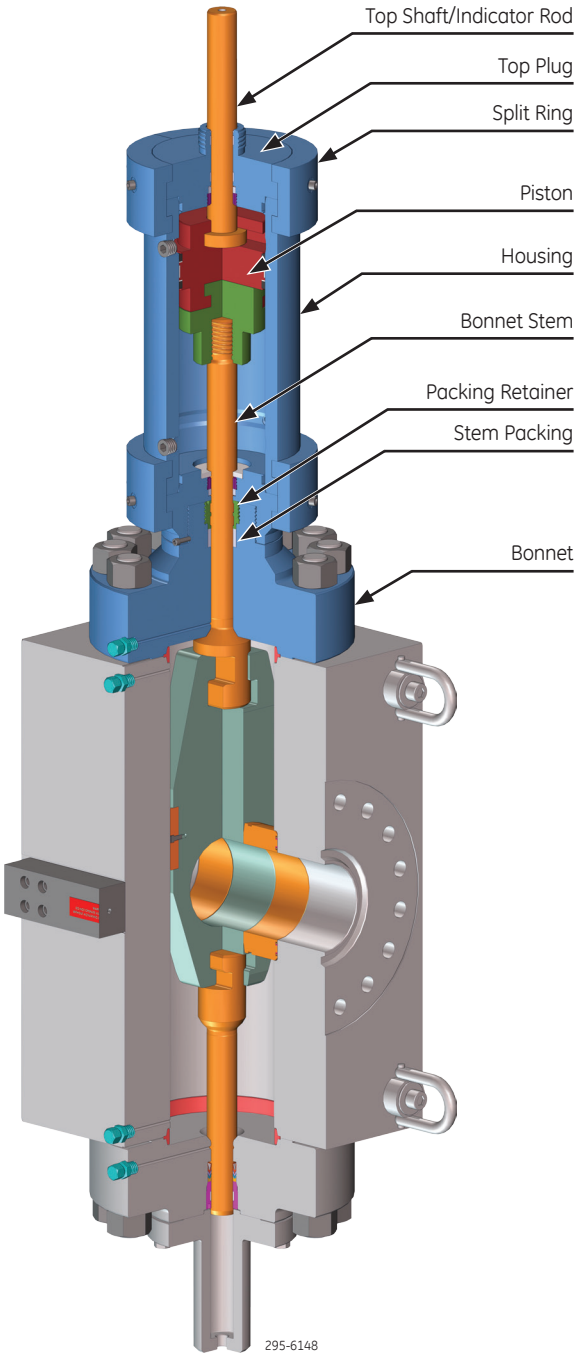
Actuators

Pressure Control Model HDA-RS Hydraulic Actuator

The Model HDA-RS (Hydraulic Double-Acting - Rising Stem) Actuator is available for valve sizes from 2-1/16" through 7-1/16" with pressure ratings from 3,000 psi up to 20,000 psi. The actuator operates as a 'pressure to open and pressure to close' device under severe operating conditions.Model HDA-RS actuators deliver reliable performance for control of wellbore fluids and are intended for use on frac applications, choke, kill and mudline manifolds, as well as other critical applications.

The HDA-RS is operated by applying adequate hydraulic pressure to either the top side or the bottom side of a piston in the actuator housing. Hydraulic pressure will force the bonnet stem to either open or close the gate valve, depending on which side of the piston is pressurized.

The gate is in the full-open position when the indicator rod is fully extended at the top of the actuator and is in the full-closed position when the indicator rod is fully depressed into the top of the actuator. Since no internal springs are involved, upon loss of pressure to either side of the piston, the valve will remain in its current position.



Features —

- Indicator rod provides visual confirmation of the valve's position
- No internal springs
- Easy to maintain
  - No special tools required
- Suitable for a wide variety of applications
  - Drilling
  - Choke and kill manifolds
  - Fracturing
  - Mudline systems

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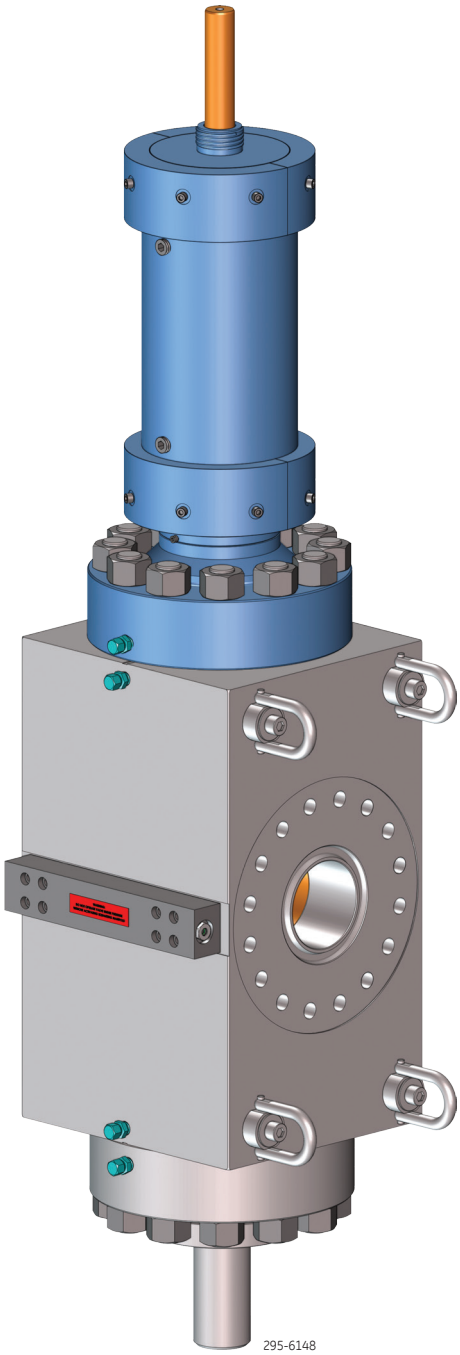

Specifications —

Model HDA-RS	
Models	H3025, H4530, H6540, H6550, H9550, H9570, H14570
Applicable Valve Sizing	2-1/16" thru 7-1/16"
API Specification	API 6A
Hydraulic Actuator	Standard Service
PR2	Annex F
Temperature	-50°F to +180°F (-46°C to +82°C)
Maximum Working Pressure	3,000 psi (206 bars)
Maximum Test Pressure	4,500 psi (310 bars)

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