



Electro-Hydraulic Actuator with Filter

2-Stage Base Unit

NeoHSTs are used to effectively set the permanent and releasable NeoPEPs (Neo Positive-sealingElastomericPlugs).

NeoHSTs function in multiple stages, with 2 stages being the standard. These multiple stages generate the force necessary to set the anchors, compress the packing element, and sever the weak point. Severing the weak point allows the NeoHST to release from the NeoPEP.

The pressure housing of the NeoHST houses atmospheric pressure chambers. The first and second stages utilize the bottom hole pressure applied to the lower end of the pistons working against these atmospheric chambers. The moving pistons are driven up into the chamber drawing the plug mandrel into the tool. This action causes the outer components of the plug mandrel to be compressed against the bull plug attached to the bottom of the mandrel. When the predetermined load is reached, the weak point severs, releasing the set NeoPEP from the NeoHST.

The NeoHST comes standard as a 2-stage tool. Additional stages, sold as Extra Stage Kits, are needed for lower Setting Depth Pressures.

NeoProducts provides all the non-explosive tools needed for a 1-day zonal isolation;

- Positive-sealing Elastomeric Plug (NeoPEP)
- Non-Explosive NeoLong-Stroke Setting Tool (NeoHST)
- Non-Explosive Hybrid Cement Dump Bailer System (NeoBB)
- High Shear Bond Cement Slurry Kits (17 - 20 ppg expanding NeoSuperSlurry)

NeoHSTs are run on wireline, slickline, tractor, coiled tubing, and threaded pipe, and can set NeoPEPs in open hole, cased hole, perforated casing intervals, and gravel packs.

NeoHSTs are not suitable for use in solid-bearing wellbore fluids (muds) or media intended to abate fluid loss.

Contact NeoProducts for service ratings for our NeoHSTs and NeoPEPs.