

Nonexplosive Oilfield Products

Global Sales & Service



NeoConversion®

Description

NeoConversions are built-for-purpose downhole electronic-hydraulic power packs. They convert Baker Model 10 & 20 Setting Tools (and facsimiles thereof) to become non-explosive tools. NeoConversions are “Ready-to-GO” conversion systems. Field conversions of pyrotechnic setting tools take less than 5 minutes.

Converted Baker Setting Tools are called NeoBSTs. They are run using routine field operations. Upon return to the surface NeoBSTs can be reset within seconds and another plug can be attached and run in the hole within minutes.

NeoBSTs set conventional plugs and packers in 4 – 7 minutes and produce superior long-life packer seals compared to seals produced by conventional power-charge setting tools.

NeoConversions are easily handled and have no transportation restrictions. NeoConversions can convert setting tools on site, run and set multiple plugs, can be removed from the setting tool, and transported to numerous other service sites to set multiple plugs, all without redressing the NeoConversion.

NeoConversions are available for;

- Standard Service (pressures to 15,000 psig & temperatures to 350° F),
- HPHT Service (pressures to 20,000 psig & temperatures to 375° F), and
- Pump-Down and Horizontal Well Services.

NeoConversions convert pyrotechnic powered setting tools to become non-explosive NeoBSTs

Features & Benefits

Eliminates burdens related to use and transport of explosives

Easily transported by land, sea, and air w/o restrictions

Setting tool conversions are easily done in the field

No expendable costs per run

Hundreds of plugs can be run between redressing the NeoConversion

NeoBSTs retain their same Baker Model 10 & 20 service ratings

NeoConversion – Std Service Models							
NeoConversion P/N	Max Service Pressure	Max Service Temp	Max Applied Load Capability	Power Requirement @ Head	Run-in Dia	NeoBST Make-up Length	NeoConversion Weight
9000-010-111	15,000 psig	350° F	35,000 lbf	275 V _{dc} & 750 milliamp	2.75”	56”	55 lbms
9000-020-121	15,000 psig	350° F	60,000 lbf	275 V _{dc} & 750 milliamp	3.81”	66”	109 lbms

NeoConversions are built-for-purpose downhole hydraulic power packs.

NeoConversion® - Patent Protected