

EQUALIZER PLUNGER



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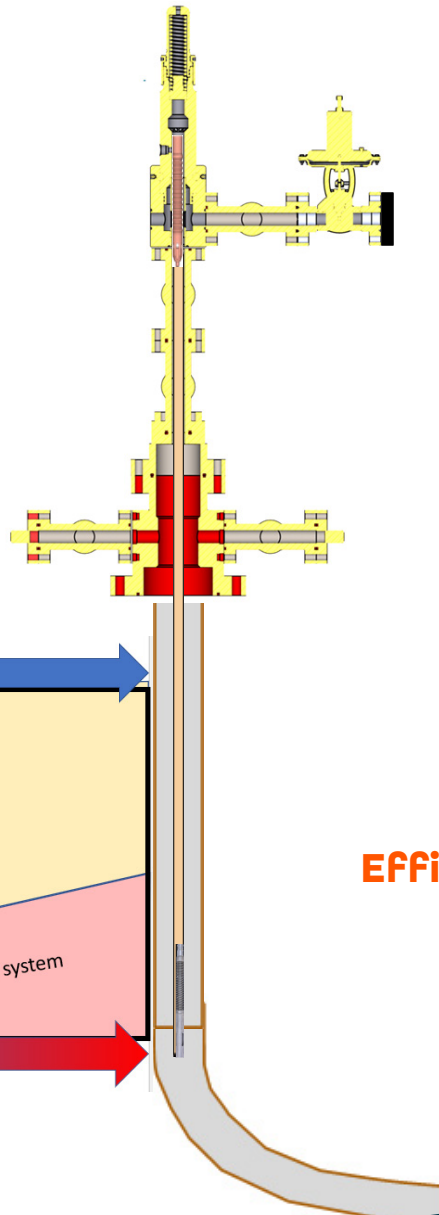
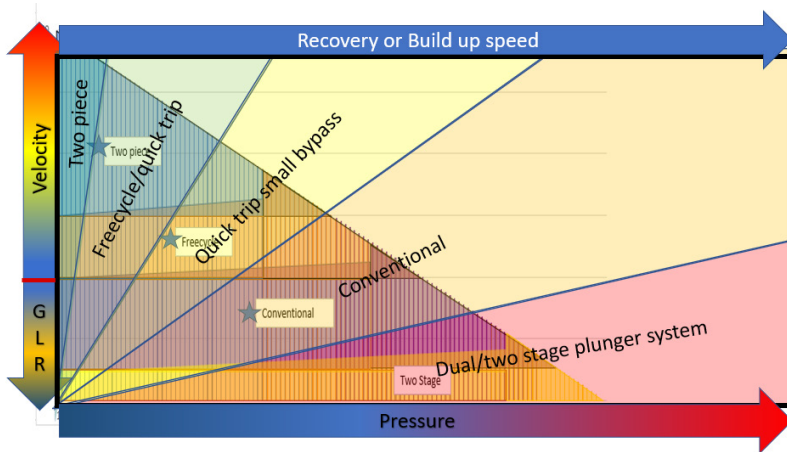
The Efficient Equalizer Ported Helix Plunger is designed for wells that require short duration shut in times, high daily cycle counts, paraffin control and high liquid volumes. This innovative design allows the plunger to fall against moderate flow rates. Unique design makes the plunger adaptable to all standard lubricator design

APPLICATIONS

Equalizer plungers are typically used in wells that can maintain a flowing gas rate less than 75% of well head critical rate or wells requiring short closed time.

Recommended range
30-75% Critical Rate

Static fall speed 300
meters per minute



**Efficient Equalizer Ported
Helix Plunger**

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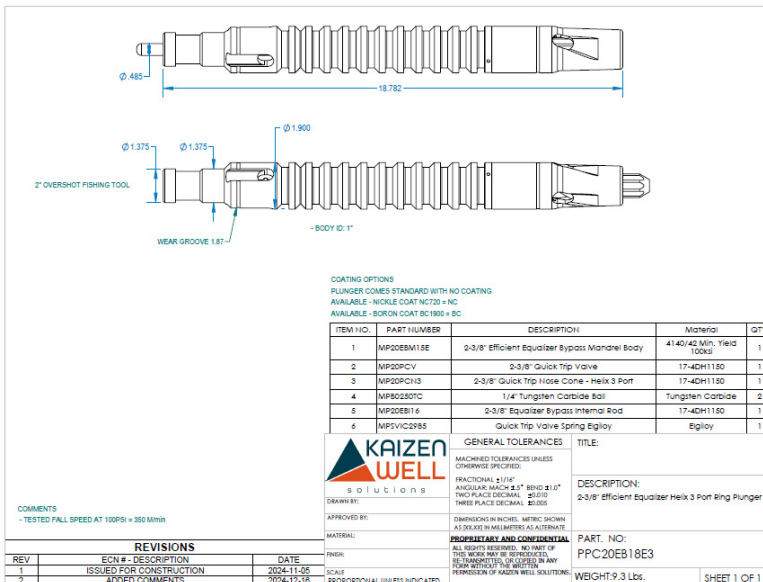
DESIGN

- The Equalizer Efficient Bypass Helix Ported Plunger is a quick trip plunger that uses an internal valve to allow a large flow bypass area
- Designed with 3 or 4 ports on the nose cone for different fall speed applications.
- This high-quality plunger is built from high strength 4140 material and can be used in sweet and NACE sour service applications
- The Equalizer Efficient Bypass Helix Ported Plunger can be nickel coated for extreme environments to extend wear life and minimize corrosion
- Works in all standard lubricators designs
- Does not require external trip rod and anvil
- Available in 60.3mm and 73mm sizes

ADDED FEATURES

- High sand resistance due to a valve design and flow path allowing plunger to self clean in most applications
- The valve clutch is designed to last the life of the plunger unlike other plungers in the market
- The valve clutch will not become soft or weak as the valve is shifted during standard operation

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KAIZEN EQUALIZER PLUNGER FALL SPEEDS

Tubing Size	Plunger Type	Port QTY	Fall Speed Static Gas (FPM)	Fall Speed Static Gas (MPM)	Static Pressure (KPA)
2 3/8"	Efficient Equalizer Helix 3 Port Ring Plunger	3	1060	323	750
2 3/8"	Efficient Equalizer Helix 4 Port Ring Plunger	4	1050	320	750
2 7/8"	Efficient Equalizer Helix 3 Port Ring Plunger	3	1292	394	489
2 7/8"	Efficient Equalizer Helix 4 Port Ring Plunger	4	1327	404	509