RWA API Insert Pumps

RWAC and RWAM standard sucker rod pumps

APPLICATIONS
- Sandy wells
- Low fluid-level gassy or foamy wells
- Shallow- to moderate-depth wells

BENEFITS
- Eliminates stuck pump
- Enables full submersion in fluid
- Highest-volume insert pump

FEATURES
- Thin-walled barrel
- Top anchor hold-down
- Universally accepted design

Suitable for shallow to moderate depths, RWA API insert pumps are thin-walled, stationary barrel, top anchor pumps recognized by API as a standard design. Because the pump barrel is threaded on the inside, there are fewer connections required, thereby reducing service costs.

The top hold-down anchor requires that fluid be discharged from the pump just above the seating nipple, which prevents sand or other solid material from accumulating and causing the pump to become stuck. Seating options include mechanical (RWAM) or cup (RWAC) types suitable for high temperatures and mechanical types to simplify well maintenance. A mechanical hold-down does not require repair unless major damage has occurred, whereas cups should be replaced every time the pump is unset. Both hold-down types follow the same procedure of setting by placing the weight of the sucker rods down on the pump and unsetting by lifting them up.

Metallurgy and component coatings can be adapted to well conditions to maximize pump life.

Enhance operational flexibility and extend the life of your rod lift system
Schlumberger offers a range of tools and specialty products engineered to address common problems such as rodstring wear and damage due to gas interference, erosion, or insufficient fluid levels. These products provide greater flexibility during operations and can extend the life of the rod lift system.

Sand specialty products
- Direct solids away from the pump barrel, maintain downhole pump integrity, and extend run life with optimized components.

RWA API Insert Pumps Specifications

Tubing × Pump Bore Size, in [mm]			
2⅜ × 1¼	2⅜ × 1½	2⅞ × 2	3½ × 2½
[60.325 × 31.750]	[60.325 × 38.100]	[73.025 × 50.800]	[88.900 × 63.500]

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