

RWB API Insert Pumps

RWBC and RWBM standard sucker rod pumps

APPLICATIONS

- Low-sand wells
- Low-fluid-level wells
- Shallow- to moderate-depth wells

ADVANTAGES

- High adaptability
- High-fluid-volume insert pump
- Thin-walled barrel
- Bottom hold-down
- Universally accepted design

Don-Nan RWB API insert pumps are thin-walled, stationary barrel, bottom hold-down pumps recognized by API as a standard design. These pumps are most often used in shallow to moderate depths where there is little chance of sand accumulation. If sand is an issue, a top hold-down design may be more suitable. Alternatively, nonstandard accessories such as a top seal may be used to eliminate a stuck-pump scenario. The thin-walled barrel is threaded on the inside, which reduces the number of connections needed on the pump and enables a larger bore.

Seating options on this pump include mechanical or cup types suitable for high temperatures and mechanical types for simplified well maintenance. A mechanical hold-down does not require repair unless major damage has occurred, and cups should be replaced each time the pump is unset. Both hold-down types follow the same procedure of setting and unsetting by placing the weight of the sucker rods down on the pump or by lifting up.

Like all API pumps, RWB API insert pumps can be modified with specialty components to better address pumping issues caused by sand and gas. Because of the exposure to stagnant fluid on the exterior of the pump barrel, a bottom discharge valve is recommended to enable fresh fluid to be moved into the area directly above the standing valve of the pump.

Enhance operational flexibility and extend the life of your rod lift system

Don-Nan 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

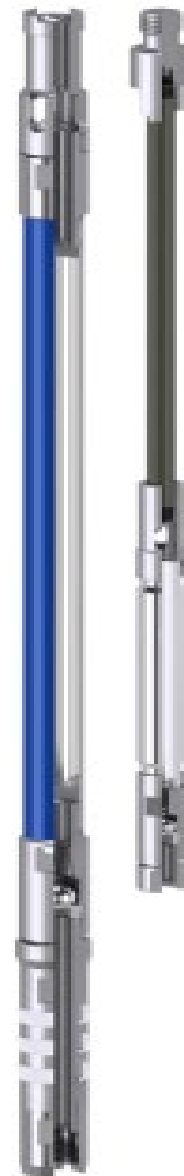
- Prevent a stuck pump scenario caused by solids accumulation around the hold-down with a top seal.
- Direct solids away from the pump barrel, maintain downhole pump integrity, and extend run life with the sand diverter.
- Keep particulate matter from settling and sticking the pump and greatly reduce the adverse effects of corrosive fluid, by using the bottom discharge valve.

Gas specialty products

- Stabilize and protect the valve rod during the pump stroke with a carbide insert valve rod guide.

PumpTrak™ System

- Continuously improve operations with the PumpTrak web-based pump service tracking system, which serves as a repository of detailed service information including service history, installation and pull date, days in use, and failure and cost analysis.



*RWBC API
Insert Pump*

RWB API Insert Pumps

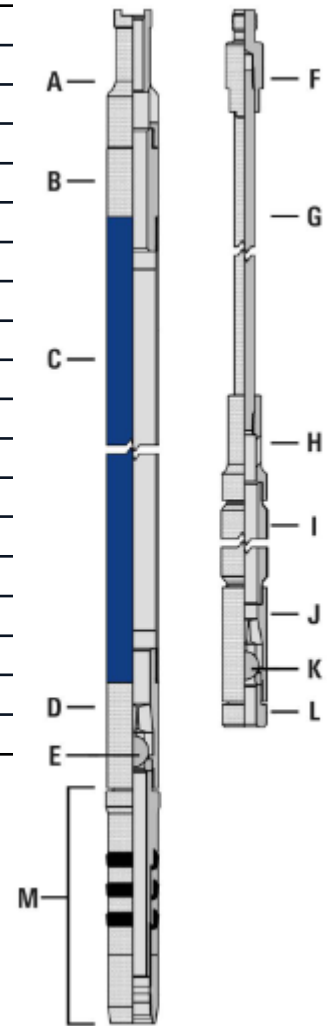


RWBC and RWBM standard sucker rod pumps

Stationary Thin-Wall Barrel, Bottom-Anchor, Cup-Type Hold-Down							
Description	Item	Req.	Tubing x Pump Bore Size, in				
			1 ⁹ / ₁₀ x 1 ¹ / ₄	2 ³ / ₈ x 1 ¹ / ₄	2 ³ / ₈ x 1 ¹ / ₂	2 ⁷ / ₈ x 2	3 ¹ / ₂ x 2 ¹ / ₂
Stationary Assembly							
Guide, valve rod	A		GR111	GR211	GR211	GR321	GR4310
Connector, upper barrel	B		C101	C222	C222	C332	C443
Barrel, thin wall	C	1	BT0316C	BT0316C	BT0516C	BT1216C	BT1616C
Cage, closed barrel	D		CF32	CF48	CF42	CF62	CF82
Valve, ball and seat	E		045 + 03	047 + 04	047 + 04	049 + 06	051 + 07
Traveling Assembly							
Bushing, valve rod	F		BR0-0	BR1-1-D	BR1-1-D	BR1-1-D	BR3-1-D
Rod, valve	G		VR1-149	VR1-149	VR1-149	VR2-149	VR3-148
Coupling, plunger adapter	H		PA21	PA21	PA310	PA52	PA73
Plunger	I	1	P214-3	P214-3	P314-3	P614-3	P814-3
Cage, closed plunger	J		CF21	CF21	CF31	CF51	CF71
Valve, ball and seat	K		043 + 02	043 + 02	045 + 03	048 + 05	051 + 07
Plug, seat	L		PS21	PS21	PS31	PS51	PS71
Seating Assembly							
API, 3-cup*	M	1	HM31	HM41	HM41	HM51	HM61

Barrel, barrel extensions, plunger, and valve rod must all be specified in length.
All components may be specified by material and coating type.

*API mechanical type seating assembly also available



BUILT TO LAST

Made to Perform

Headquarters

811 Willow Oak Dr,
Missouri City, TX 77489
(281) 495-1100

Midland Campus

3427 E Hwy 158,
Midland, TX 79706
(432) 967-5575

LUFKIN Don-Nan is an API 11AX certified manufacturer for
25 continuous years and counting.

Ref: 09042022

lufkin.com/donnan