

RXB API Insert Pumps

RXBC and RXBM standard sucker rod pumps

APPLICATIONS

- Low-sand wells
- Low- to high-fluid levels
- Deep wells

BENEFITS

- Highly adaptable
- Accommodates high fluid volumes

FEATURES

- Heavy-walled, internally threaded barrel
- Bottom hold-down
- Universally accepted design

The RXB API insert pump is a heavy-walled, stationary barrel, bottom hold-down pump recognized by API as a standard design. This pump is most often used in moderate to deep wells where there is little chance of sand accumulation. If sand or gas is an issue, the pump can be paired with optional accessories to address those challenges. The operating capacity of this pump falls between the RHB and the RWB API insert pumps: Like the RWB API insert pump, the barrel is threaded on the inside, reducing the number of connections needed and allowing room for a larger bore. The wall thickness, however, is similar to the RHB API insert pump, enabling operation at greater depths.

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, whereas cups should be replaced every 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 lifting up.

Enhance operational flexibility and extend the life of your rod 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

- Prevent a stuck pump scenario caused by solids accumulation around the hold-down with a top seal.
- Proactively reduce particulate collection near the hold-down with a sand shield, which uses rubberized fins to act as a barrier against solids.
- 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.

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.



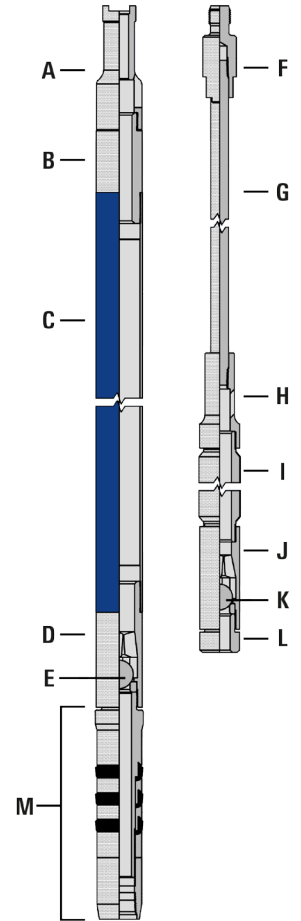
RXB API insert pump.

RXB API Insert Pumps

Stationary-Barrel, Bottom-Ancor, Cup-Type Hold-Down

Description	Item	Req.	Tubing × Pump Bore Size, in [mm]			
			2 ³ / ₈ × 1 ¹ / ₄ [60.325 × 31.750]	2 ³ / ₈ × 1 ¹ / ₂ [60.325 × 38.100]	2 ⁷ / ₈ × 2 [73.025 × 50.800]	3 ¹ / ₂ × 2 ¹ / ₂ [88.900 × 63.500]
Stationary Assembly						
Guide, valve rod	A		GR211	GR211	GR321	GR4310
Connector, upper barrel	B		C201	C222	C332	C443
Barrel, heavy wall	C	1	BT0416CIT	BT0616C	BT1316C	BT1616C
Cage, closed barrel	D		CF48	CF42	CF62	CF82
Valve, ball and seat	E		047 + 04	047 + 04	049 + 06	051 + 07
Traveling Assembly						
Bushing, valve rod	F		BR1-1-D	BR1-1-D	BR2-1-D	BR3-1-D
Rod, valve	G		VR1-149	VR1-149	VR2-149	VR3-148
Coupling, plunger adapter	H		PA21	PA310	PA52	PA73
Plunger	I	1	P214-3	P314-3	P614-3	P814-3
Cage, closed plunger	J		CF21	CF31	CF51	CF71
Valve, ball and seat	K		043 + 02	045 + 03	048 + 05	051 + 07
Plug, seat	L		PS21	PS31	PS51	PS71
Seating Assembly						
API, 3-cup [†]	M	1	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.



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