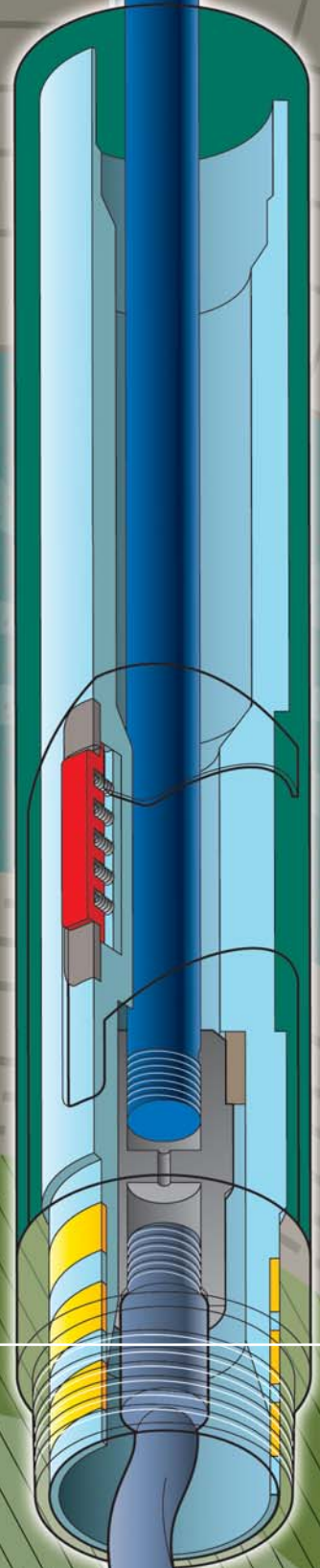


KUDU Insert

Progressing Cavity
Pump Systems



Reduce Rig Expenses

- Easily adapts to different pump sizes
- Reduces rig time by 40% to 50%
- Keeps tubing string down hole

Bringing solutions to the surface since 1989.

 **KUDU**
INDUSTRIES INC.

20 YEARS OF INNOVATION
1989 - 2009

KUDU Insert PCP Systems

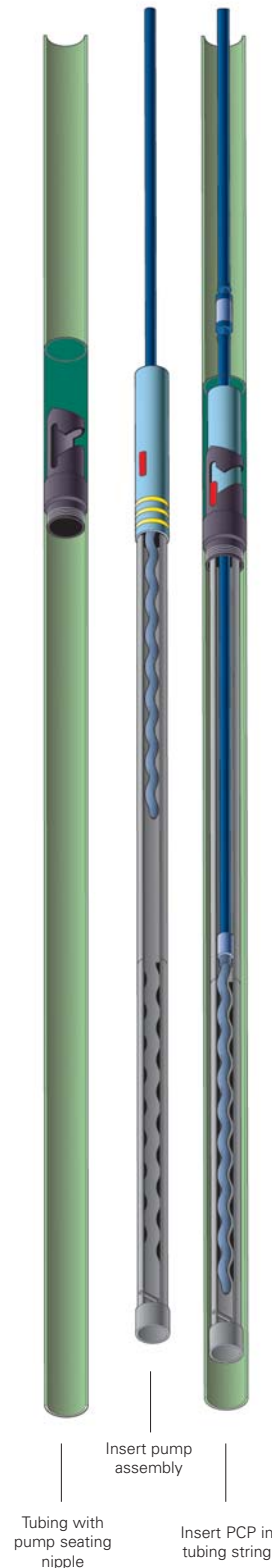
The KUDU Insert PCP System reduces downtime and rig expenses by enabling pump installation and removal with the rod string, which eliminates the need to pull tubing to replace the pump. The entire pump assembly can be installed or removed with a rod service rig or flush-by, reducing pulling costs by 40% to 50%.

How it Works

The locking and sealing assembly attaches to the pump assembly. It automatically locates and securely seats the pump inside the seating nipple, which is enclosed in the tubing string. The drag block and insert seals prevent axial and rotational movement of the pump assembly during operation. A specially machined coupling attaches the rotor to the rod string. The coupling engages a mating profile located at the top of the pump assembly when the rod string is pulled. Unseating the pump is accomplished by simply pulling up and rotating the rod string once the coupling has engaged the profile. The flush-by housing enables a flush-by without unseating the pump assembly.

Product Features:

- Auto locating top hold down
- One tubing sub pump seating nipple
- No force required to seat or unseat
- Definite confirmation of seating and unseating
- Top hold-down integrates multiple API seals that are easily replaced
- Easily adapts to different pump sizes
- Flush-by housing allows fluid flow through assembly



KUDU Insert PCP Systems Specifications

Tubing Size	lbs/ft*	kg/m*	Pump Model(s)
3 1/2"	9.30	13.84	15IP600, 1200, 2400 30IP650, 1300, 2000, 2600 80IP1200, 1600, 2000
4 1/2"	12.75	18.97	60IP650, 1300, 2000, 2600 100IP600, 1200, 1800 120IP1300, 2000, 2600 200IP600, 1200, 1800, 2400 240IP600, 900 300IP400-3.5, 800-3.5, 1200-3.5, 1600-3.5
5 1/2"	17.00	25.30	180IP1000, 2000, 3000 225IP1600, 2400 300IP600, 1200, 1800, 2400 400IP450, 900, 1350, 1800 600IP300, 600, 900, 1200, 1500 840IP500ML, 1000ML, 1500ML

*Maximum Tubing Weight



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Australia
Tel: +07 3842 3105
Email: australia@kudupump.com

Kazakhstan
Tel: +7 727 259 7630
Email: kazakhstan@kudupump.com

Middle East
Tel: +968 9550 1017
Email: middleeast@kudupump.com

Russia
Tel: +7 342 249 8594
Email: russia@kudupump.com

South Central America & Mexico
Tel: +1 281 296 1602
Email: southamerica@kudupump.com

North America
Toll Free: +1 800 642 5519

KUDU INDUSTRIES INC.
HEAD OFFICE & MANUFACTURING
9112 – 40th Street SE
Calgary, AB Canada
T2C 2P3
Tel: +1 403 279 5838

www.kudupump.com