

Acumen Quick Release Valve Seat Puller (Knob Style)

Plunger (FRAC) Pump Operation

Instructions

Carefully read all instructions before operating Quick Release Valve Seat Puller (QRVSP).

1. Proper Personal Protective Equipment (PPE) required during operation.
2. Inspect all components prior to each use ensuring puller is in correct working order.
3. Use proper puller head for the valve seat being removed.
4. Ensure pull knob is fully engaged/locked on puller shaft
**Pull Knob should always be in engaged or in locked position. Pull Knob is only disengaged or unlocked when valve seat is to be released from puller head.
Warranty does not cover damage caused by pull knob when not engaged or locked when operating QRVSP.*
5. Ensure outer housing/collar is turn at minimum a ¼ turn to cover puller shaft cross pin access hole.
6. Ensure bottom nose is fully threaded (hand tight) onto puller shaft before inserting puller into valve seat. Bottom of puller shaft should be flush with bottom nose. If bottom nose is left loose, damage to puller assembly may occur.
Warranty does not cover damage caused by bottom nose being left loose.
7. Insert puller into valve seat to engage.
Warranty does not cover damage incurred by dropping puller onto valve seat.
8. Install hydraulic jack onto puller shaft.
9. Secure jack to fluid end module.
Warranty does not cover damage caused by jack not being secured to fluid module.
10. Install 2" nut onto puller shaft.
Lift puller shaft with engaged/locked pull knob to ensure puller head is properly coupled with valve seat.
11. Align nut and jack directly over valve seat.
12. Tighten nut firmly to compress jack.
13. Extend jack until valve seat disengages.
If operating API/Series 4 puller head do not exceed 8000 psi on hydraulic pump.
14. Disengage or unlock pull knob to release valve seat from puller jaws.
15. Once valve seat is released reengage or lock pull knob back onto puller shaft.
16. Lift puller and jack together by grabbing puller shaft and set assembly onto next valve seat to be removed. Use proper lifting techniques and supports to avoid injury.
17. Back nut off enough to allow puller to fully engage valve seat.
18. Repeat steps 7 thru 17 until all upper valve seats have been removed.
19. Loosen nut to engage lower valve seats and repeat steps 8 thru 16 until all valve seats have been removed.

WARRANTY:

GUARANTEED FOR MECHANICAL DEFECT AND WORKMANSHIP.

TOOL IS SPECIFICALLY DESIGNED TO PULL VALVE SEATS AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.

TOOL TO BE REGULARLY CLEANED OF DIRT AND GRIME TO ENSURE PROPER FUNCTION WHILE OPERATING.

WARRANTY DOES NOT COVER DAMAGE CAUSED BY TOP OF PULL KNOB, PULL RING, OR PULLER SHAFT BEING HIT, BY PULL ROD ASSEMBLY BEING LEFT LOOSE, BY BOTTOM NOSE BEING LEFT LOOSE, BY PULLER ASSEMBLY EJECTING FROM FLUID END MODULE, BY DROPPING PULLER ONTO VALVE SEAT AND BY NOT PROPERLY SECURING JACK AND/OR H-BLOCK TO FLUID END MODULE.