

# XQMS BlueSteel<sup>®</sup> a Schlumberger fluid end

**Taking fluid end manufacturing to the highest level of automation**

Using fit-for-purpose stainless steel combined with a state-of-the-art manufacturing facility, Schlumberger's fluid end enables increased product life. Case studies have shown up to 12% longer lifespan than leading competitor fluid ends.

## Applications

Hydraulic fracturing, cementing, or acidizing operations on land

## Fluid end design

### Material selection

- Highest strength stainless steel specifications in the industry
- -40 degC Charpy impact testing
- 15,000 psi MWP (maximum working pressure)
- Traceability

### Integrated discharge port

- Internal ACME port bushing discharge connection
- Easier assembly process with strap wrench, hammer union
- Much more robust for corrosive environment

### Other design features

- Machined cross-bore for repeatability and accuracy
- Autofrettage to 60,000 psi
- Compatible with standard suction manifolds
- Buttress thread interchangeable suction or discharge covers

## Fully-automated manufacturing

- 24/7 operations, robotic operations from raw material arrival to deburring, assembly, and painting
- Autonomous quality control uses CMM between machining steps from beginning to end
- Automatic guided vehicles and robotic lifting devices reduce manual moves and hazards
- Green operations by improving recycling efficiency, reducing carbon footprint, using zero-emission equipment, with zero waste management

## Dimensions

- 54.25 inch long, 24.90 inch high
- 4.00 inch plunger; 4.50 inch also available on request
- 10-inch between stroke center
- 8-inch stroke

## Consumables

- Compatible with industry standard valves and seats
- Compatible with leading packing seal OEMs, UTEX, and Gardner Denver

## Total cost of ownership

- Packing sleeve rework available to increase service life
- Case studies have shown up to 12% longer lifespan than leading competitor fluid ends



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