

TRILLIUM FLOW TECHNOLOGIES

# VERTICAL, IN-LINE, SINGLE-STAGE, CLOSE-COUPLED, OVERHUNG PUMP

BEGEMANN®

API-610

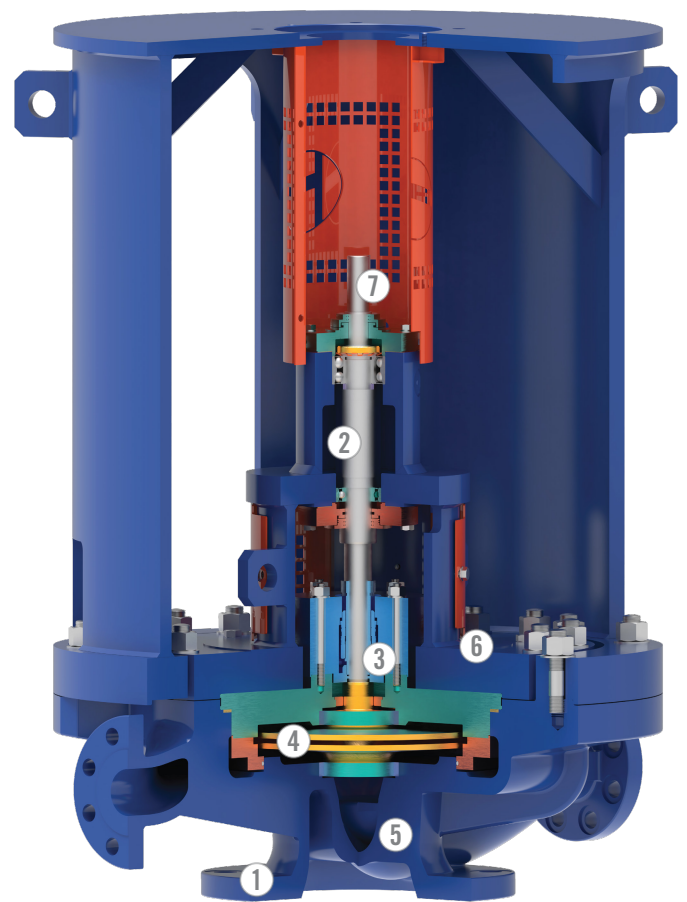
TYPE: OH3

TRILLIUM PUMP MODEL: BSD

## OVERVIEW

Trillium Flow Technologies' updated BSD pump range builds on the engineering excellence, innovation, and heritage of our Begemann® brand. Our expertise in designing and manufacturing OH3 pumps dates back to the 1970s, with thousands of units installed worldwide.

This API-compliant OH3 pump range is an in-line, vertically suspended, one-stage pump with a single suction first-stage impeller.



## KEY FEATURES

API 610 compliant

- ① Design optimized for inline installation to accommodate piping stress
- ② Heavy-duty shaft to minimize rotor deflection and maximize uptime

③ API 682 compliant seal chamber

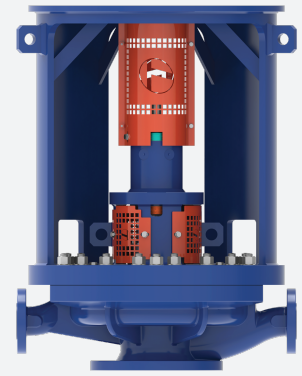
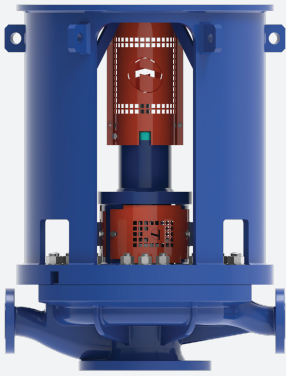
④ Closed impeller and case wear rings to minimize axial thrust

⑤ Large impeller eye to minimize NPSHr

⑥ Back pull-out design for simple maintenance

⑥ Back pull-out design also allows quick hydraulic re-rates

⑦ Close coupled to avoid need for in field alignment



## OPTIONS

All API material options: S-4, S-5, S-6, S-8, C-6, A-8, D-1, D-2, and bespoke options

Bearing arrangements to accommodate oil, mist, or grease [application dependent]

Anti-reverse rotation devices

## MAIN APPLICATIONS

Refinery Processing

Petrochemical Processing

Tank Drain

Facility Services

## OPERATING RANGE

Capacity: up to 500 m<sup>3</sup>/hr, 2,200 USGPM

Head: up to 300 m, 1,000 ft

Temperature: up to 427°C, 800°F

Speed of rotation: Up to 4,000 RPM

