

HORIZONTAL, RADIALY SPLIT, MULTI-STAGE, BACK-TO-BACK, BETWEEN BEARINGS PUMP

API-610

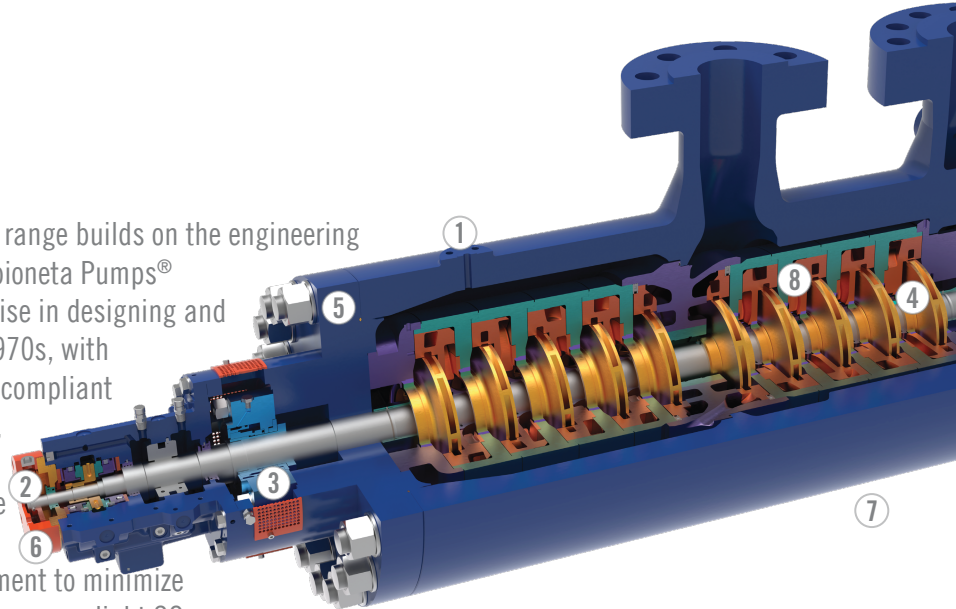
TYPE: BB5

TRILLIUM PUMP MODEL: AHPB

OVERVIEW

Trillium Flow Technologies updated AHPB pump range builds on the engineering excellence, innovation, and heritage of our Gabbioneta Pumps® and Termomeccanica Pompe brands. Our expertise in designing and manufacturing BB5 pumps dates back to the 1970s, with hundreds of units installed worldwide. This API-compliant BB5 pump range is a radially split, multi-stage, between-bearings, centerline-mounted pump with either a single or double suction first-stage impeller for reduced NPSHr.

The AHPB has a back-to-back impeller arrangement to minimize thrust loads and improve rotor dynamic performance on light SG applications. The design is available with bolted or shear ring end cover arrangements.



KEY FEATURES

API 610 compliant

① Integral case connections to avoid non-destructive testing

② Heavy-duty shaft to minimize rotor deflection and maximize uptime

③ API 682 compliant seal chamber

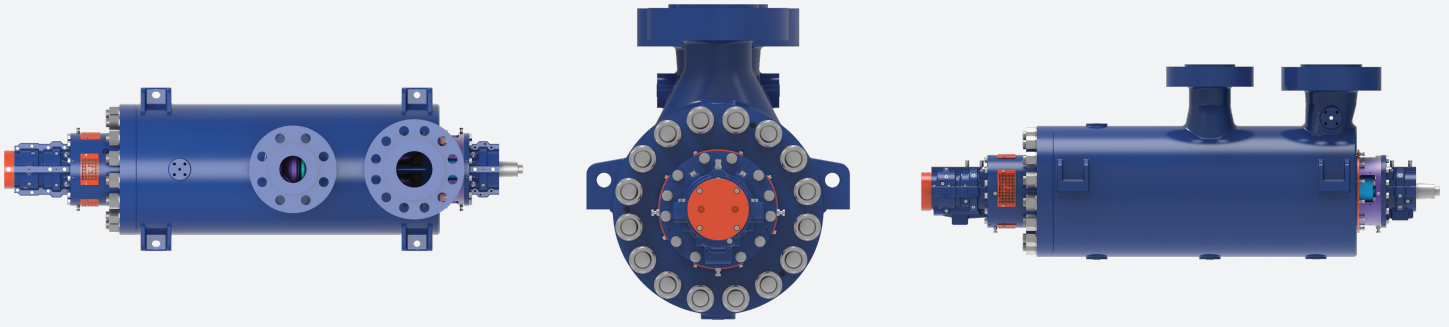
④ Single or Double suction impeller

⑤ Bolted or shear ring end cover arrangements

⑥ Bearing housing leverages common parts across all Trillium Flow Technologies between bearings pumps

⑦ Balance line to ensure both seals remain at equal pressure

⑧ Back-to-back impeller arrangement



OPTIONS

All API material options: S-4, S-5, S-6, S-8, C-6, A-8, D-1, D-2, and bespoke options
 Bolted or shear ring end cover arrangements
 Composite wear parts, for improved efficiency and rotor dynamics
 Specialist Options: High speed over 6000 RPM

MAIN APPLICATIONS

Water Injection
 Crude Oil Transmission
 Boiler Feed Water

OPERATING RANGE

Capacity: up to 3,000 m³/hr, 13,100 USGPM
 Head: up to 7,000 m, 23,000 ft
 Temperature: up to 427°C, 800°F
 Speed of rotation: Up to 6,500 RPM

