

HORIZONTAL, RADIALY SPLIT, TWO-STAGE, BETWEEN BEARINGS, SINGLE & DOUBLE SUCTION PUMPS

gabbioneta pumps 

 Termomeccanica Pompe

API-610

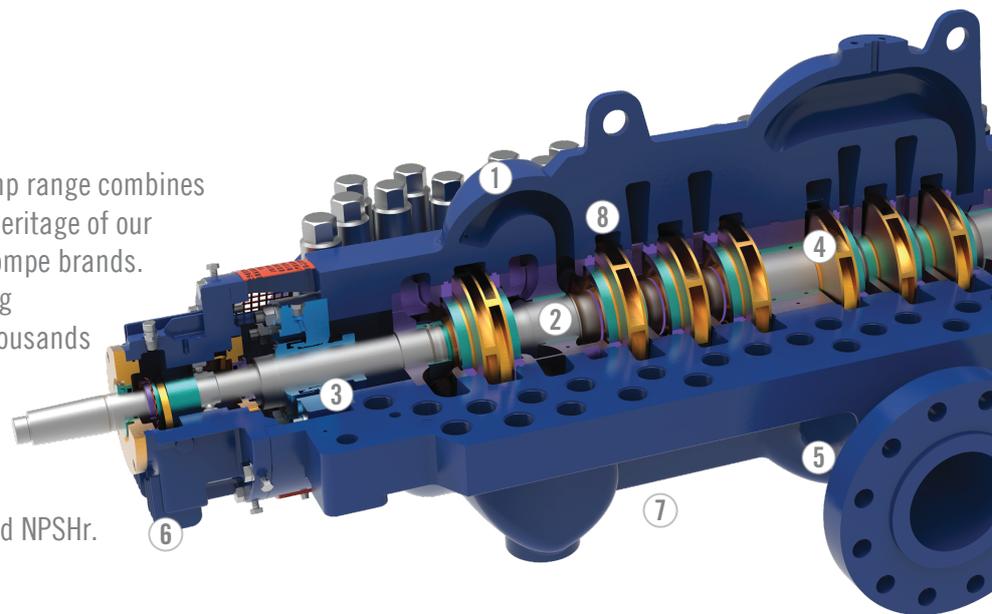
TYPE: BB3

TRILLIUM PUMP MODEL: AHP

OVERVIEW

Trillium Flow Technologies' updated AHP pump range combines the engineering excellence, innovation, and heritage of our Gabbioneta Pumps® and Termomeccanica Pompe brands. Our expertise in designing and manufacturing BB3 pumps dates back to the 1960s, with thousands of units installed worldwide.

This API-compliant BB3 pump range is axially split, multi-stage, between-bearings, centerline-mounted with either a single or double suction first stage impeller for reduced NPSHr.



KEY FEATURES

Fully 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

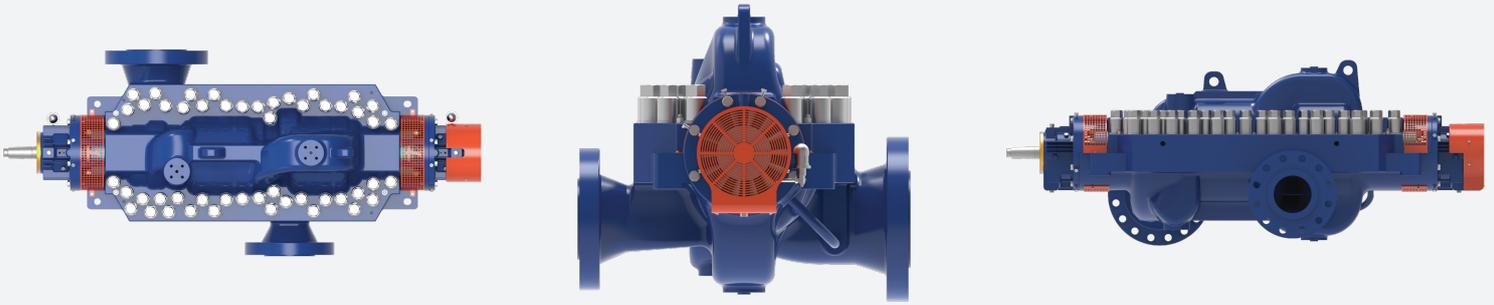
⑤ Duty case suitable for 2x API nozzle loads

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 High Pressure center bush and back-to-back arrangement to minimize axial thrust and improve rotor dynamics and MTBF

⑨ Axially split case to allow quick maintenance, inspection, and rotor changes



OPTIONS

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

Composite wear parts, for improved efficiency and rotor dynamics

Split wear parts for ease of maintenance

Specialist Options: High speed up to 6000 RPM, low SG density modifications

MAIN APPLICATIONS

General High Pressure Refinery Applications

Water Injection

Pipeline Applications

Boiler Feed

OPERATING RANGE

Capacity: up to 3,000 m³/hr, 13,200 USGPM

Head: up to 2,500 m, 8,200 ft

Temperature: up to 200°C, 400°F

Speed of rotation: Upto 6,000 RPM

