

HORIZONTAL, RADIALY SPLIT, MULTI-STAGE, TIE BOLT, BETWEEN BEARINGS PUMP

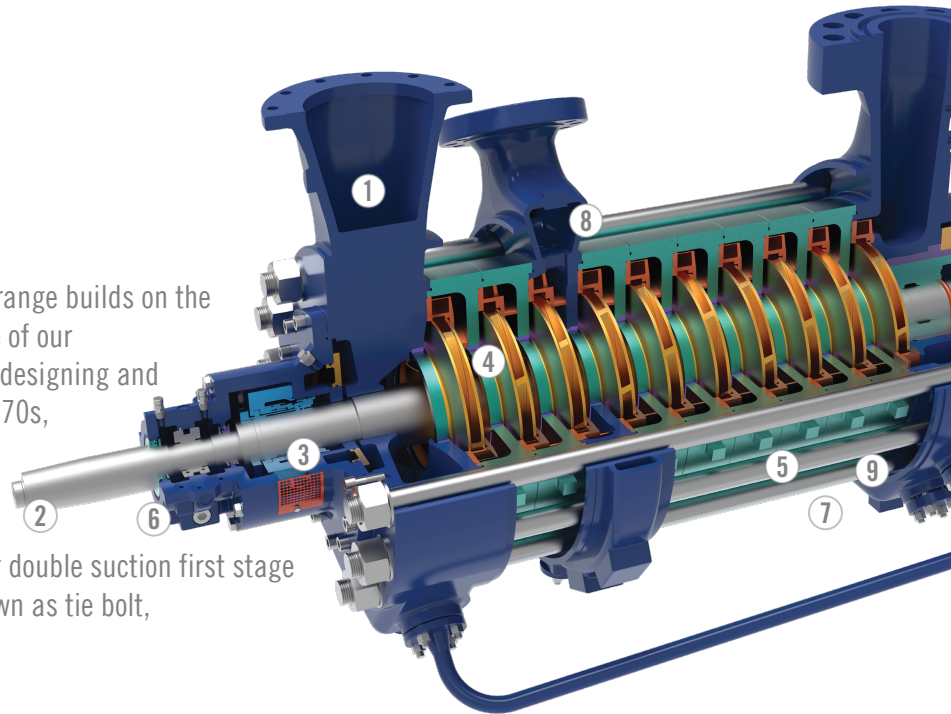
API-610

TYPE: BB4

TRILLIUM PUMP MODEL: MES

OVERVIEW

Trillium Flow Technologies' updated MES pump range builds on the engineering excellence, innovation, and heritage of our Termomeccanica Pompe brand. Our expertise in designing and manufacturing BB4 pumps dates back to the 1970s, with hundreds of units installed worldwide. This API-compliant BB4 pump range is a radially split, multi-stage, between-bearing, centerline-mounted pump with either a single or double suction first stage impeller for reduced NPSHr. These are often known as tie bolt, or segmental pumps.



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 Compact ring section design
- 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 Interstage take off options to support bespoke applications
- ⑨ Tie bolt design to reduce cost and to accommodate thermal shock



OPTIONS

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

High efficiency options for RO and power markets

Composite wear parts, for improved efficiency and rotor dynamics

Specialist Options: High speed over 6500 RPM, interstage take off options

MAIN APPLICATIONS

Boiler Feed Water For Traditional Power Plants

Water Transmission Pipelines & Water Distribution

Condensate Extraction

High Pressure Auxiliary Services In General Industry,

Petrochemical, & RO Desalination Plants

OPERATING RANGE

Capacity: up to 2,000 m³/hr, 8,800 USGPM

Head: up to 4,000 m, 13,100 ft

Temperature: up to 204°C, 400°F

Speed of rotation: Up to 6,000 RPM

