TRILLIUM FLOW TECHNOLOGIES

HORIZONTAL, RADIALLY SPLIT, SINGLE-STAGE, OVERHUNG PUMP

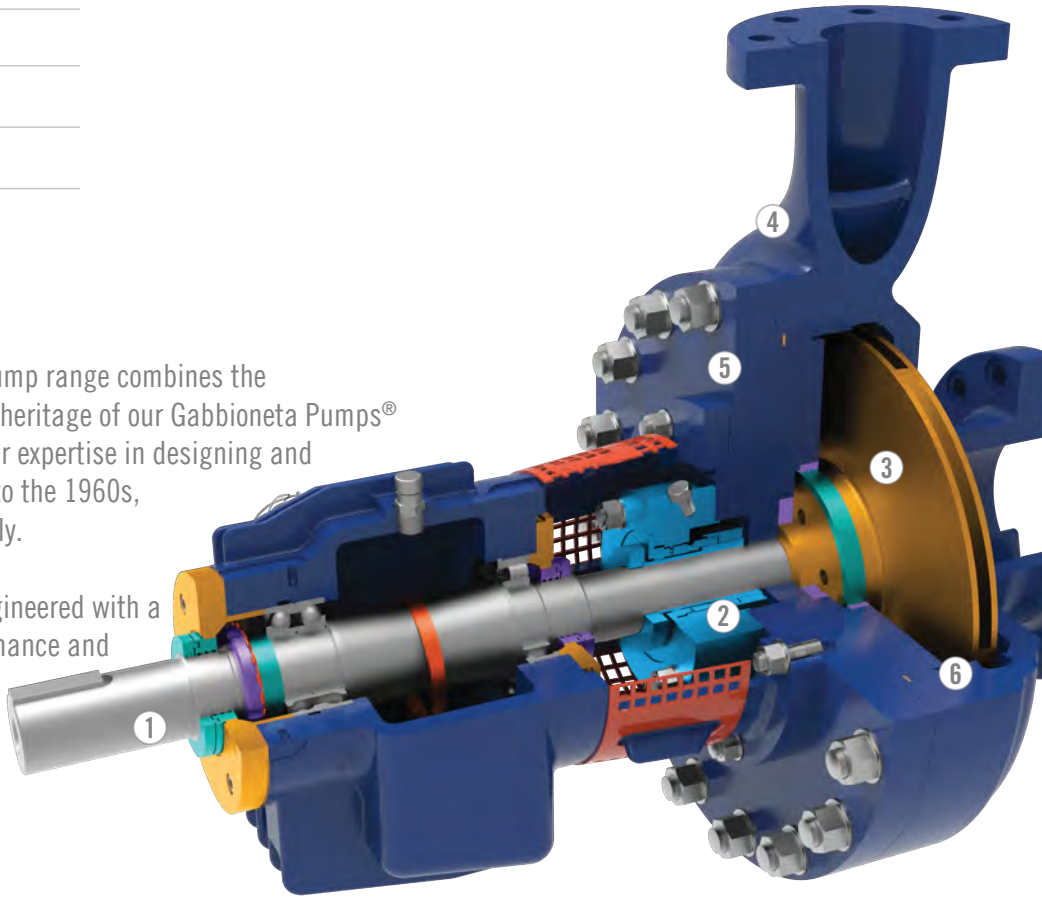
gabbioneta pumps

Termomeccanica Pompe

API-610

TYPE: OH2

TRILLIUM PUMP MODEL: R



OVERVIEW

Trillium Flow Technologies updated R pump range combines the engineering excellence, innovation, and heritage of our Gabbioneta Pumps® and Termomeccanica Pompe brands. Our expertise in designing and manufacturing OH2 pumps dates back to the 1960s, with thousands of units installed globally.

This API-compliant R pump range is engineered with a back pull-out design for ease of maintenance and maximum hydraulic flexibility; our OH2 pump excels across many applications.

KEY FEATURES

Fully API 610 compliant

Integral case connections to avoid non-destructive testing on larger frame sizes

① Heavy-duty shaft to minimize rotor defection and maximize uptime

② API 682 compliant seal chamber

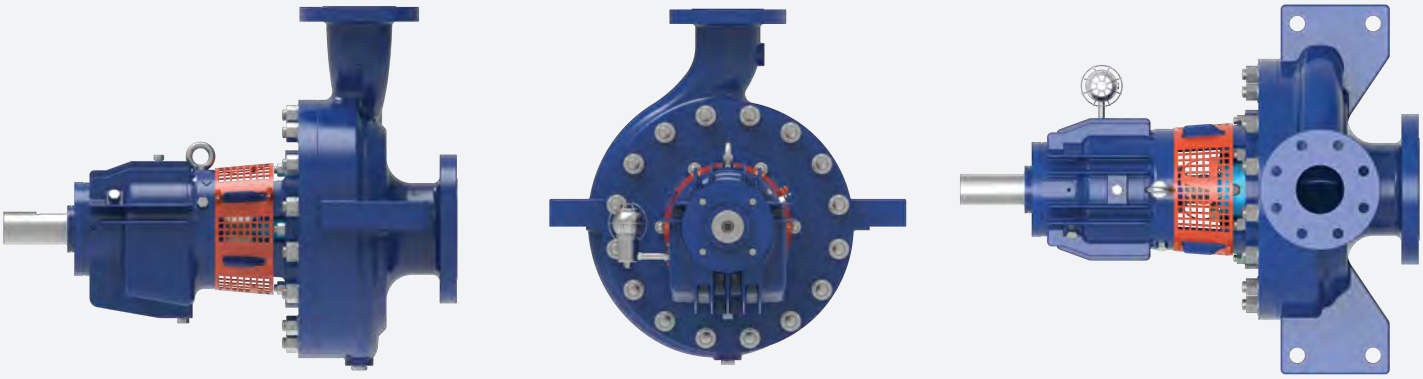
③ Single impeller with optimized hydraulics to minimize NPSH requirements

④ Heavy-duty case suitable for 2x API nozzle loads

⑤ Back pull-out design for simple maintenance

⑤ Back pull-out design also allows quick hydraulic re-rates

⑥ Double volute to minimize radial thrust on most sizes (over 2” discharge)



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 temperature alignment options

Bearing arrangements to accommodate oil mist, purge mist, and various cooling configurations

Magnetic coupling options also available

Specialist Options: Inducer, High Temperature Alignment

MAIN APPLICATIONS

High Temperature Refining

Hydrocarbon Transfer

Petrochemical Plants

Booster Applications

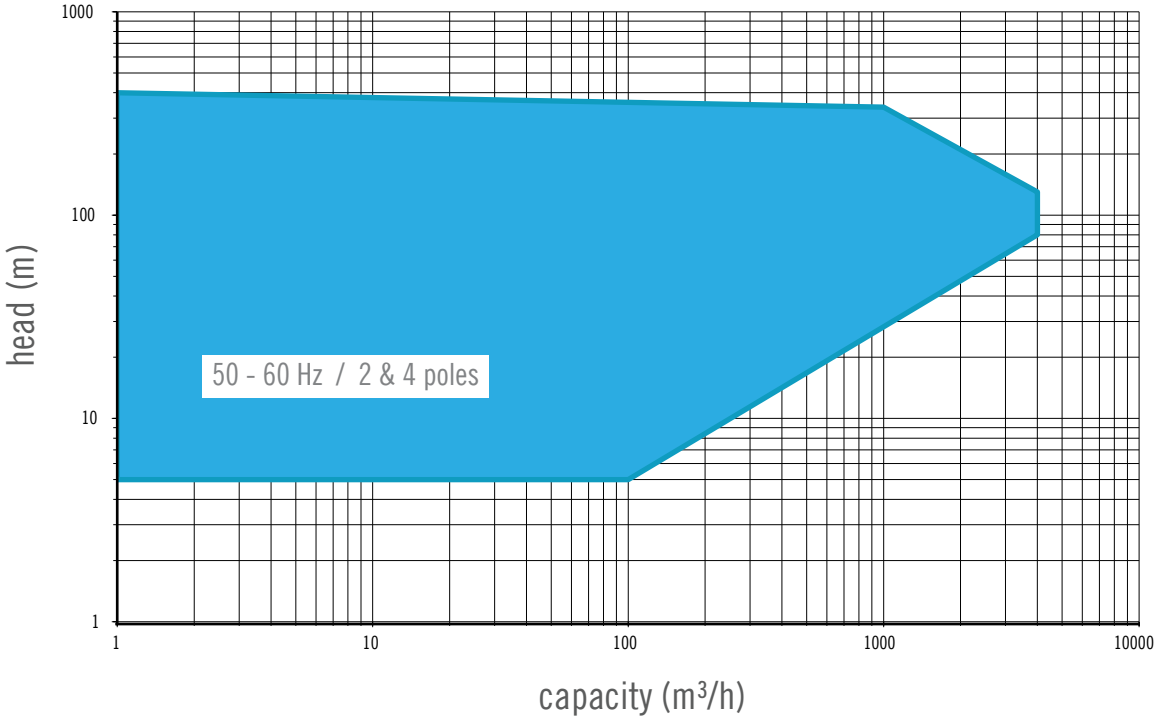
OPERATING RANGE

Capacity: up to 4,000 m³/hr, 17,610 USGPM

Head: up to 400 m, 1,300 ft

Temperature: up to 427°C, 800°F

Speed of rotation: Up to 4,000 RPM



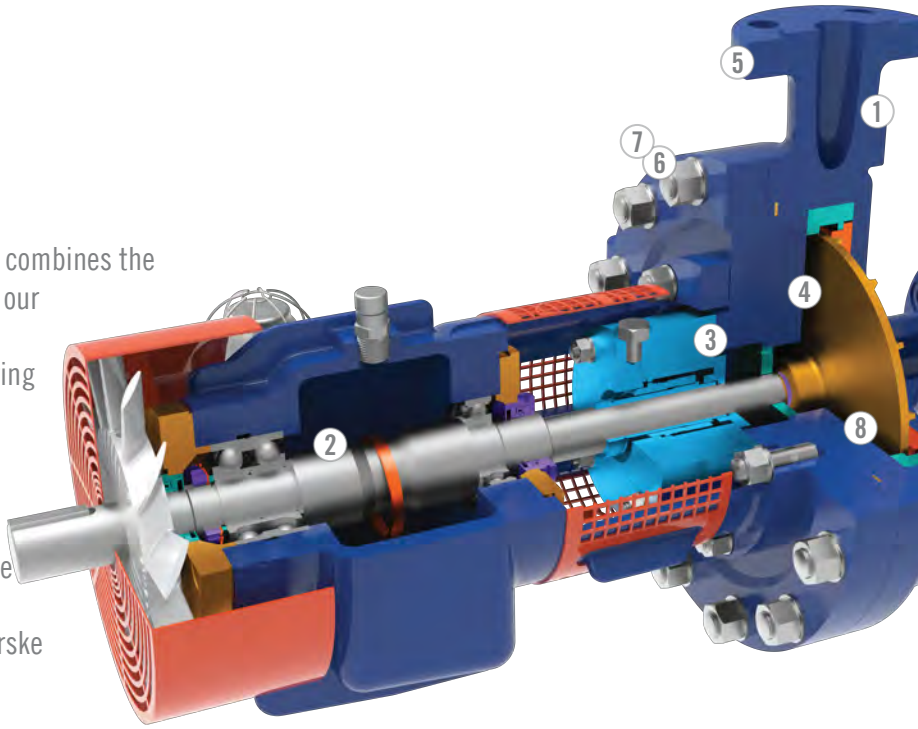
TRILLIUM FLOW TECHNOLOGIES

HORIZONTAL, RADIALLY SPLIT, SINGLE-STAGE, OVERHUNG PUMP FOR LOW FLOW APPLICATIONS

API-610

TYPE: OH2

TRILLIUM PUMP MODEL: RL



OVERVIEW

Trillium Flow Technologies updated RL pump range combines the engineering excellence, innovation, and heritage of our Gabbioneta Pumps® and Termomeccanica Pompe brands. Our expertise in designing and manufacturing OH2 low-flow, high-head pumps dates back to the 1960s, with thousands of units installed globally.

This API-compliant RL pump range is engineered with a back pull-out design for ease of maintenance and maximum hydraulic flexibility; our OH2 pump excels across many applications and features a Barske style impeller for low flow, high head applications.

KEY FEATURES

Fully API 610 compliant

① Integral case connections to avoid non-destructive testing on larger frame sizes

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

③ API 682 compliant seal chamber

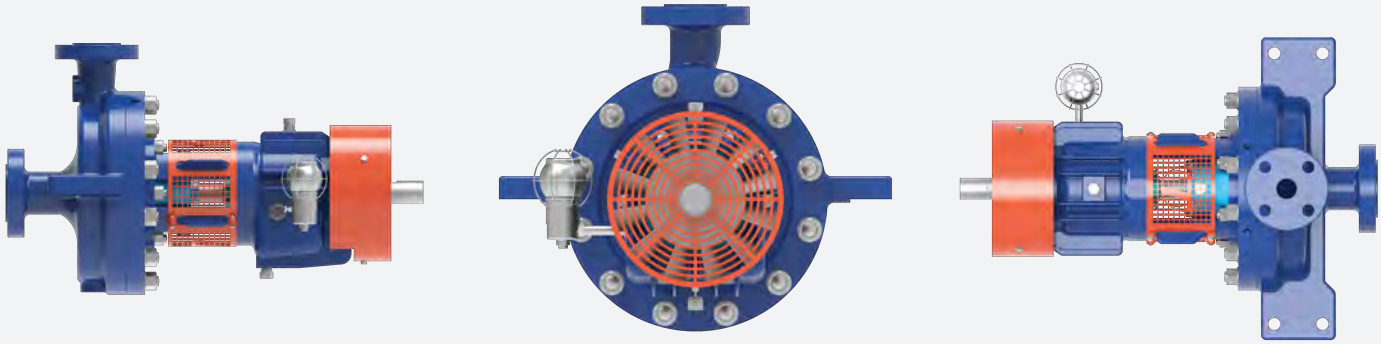
④ Single impeller with optimized hydraulics to minimize NPSH requirements

⑤ Heavy-duty case suitable for 2x API nozzle loads

⑥ Back pull-out design for simple maintenance

⑦ Back pull-out design also allows quick hydraulic re-rates

⑧ Barske impeller for low flow, high head applications



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 temperature alignment options

Bearing arrangements to accommodate oil, mist, purge mist, and various cooling configurations.

Magnetic coupling options also available

Specialist Options: Inducer, High Temperature Alignment

MAIN APPLICATIONS

High Temperature Refining

Hydrocarbon Transfer

Petrochemical Plants

Booster Applications

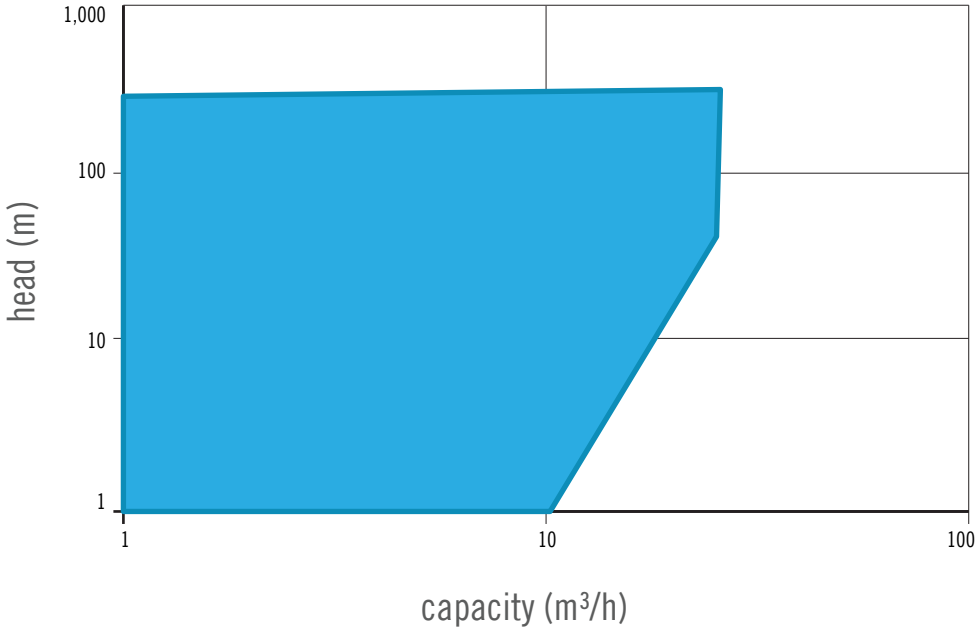
OPERATING RANGE

Capacity: up to 50 m³/hr, 220 USGPM

Head: up to 400 m, 1,300 ft

Temperature: up to 427°C, 800°F

Speed of rotation: Up to 4,000 RPM



TRILLIUM FLOW TECHNOLOGIES

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

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 defection 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

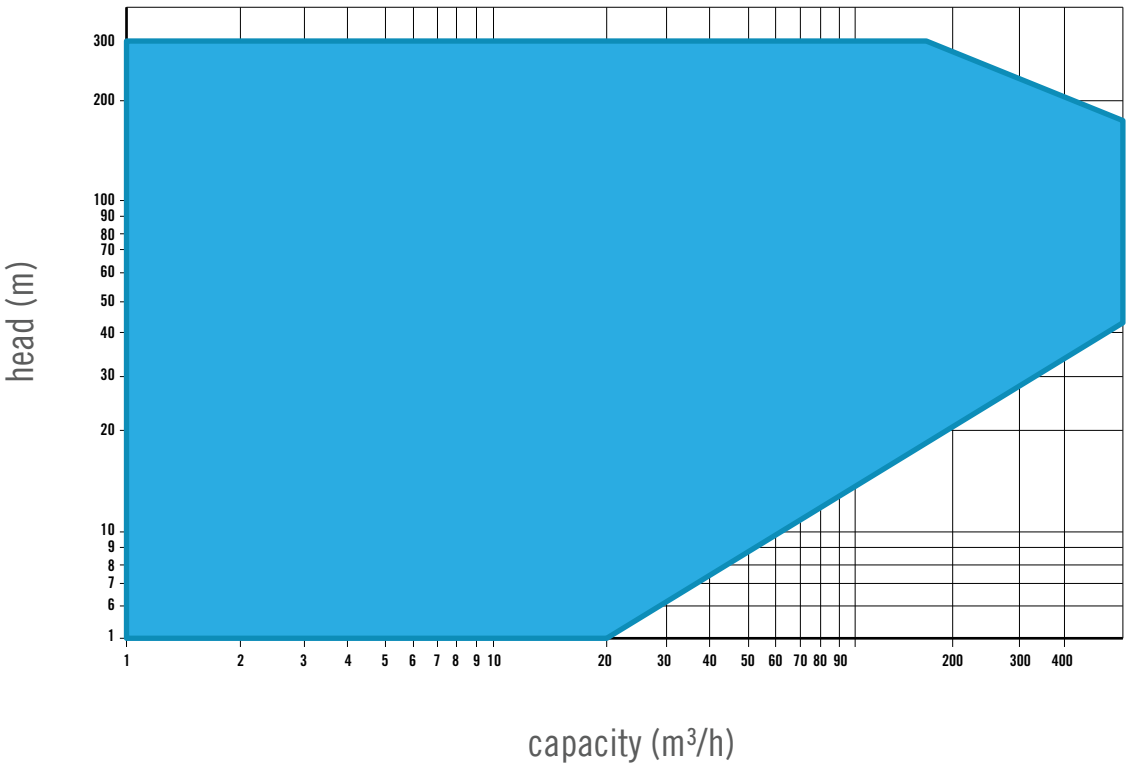
OPERATING RANGE

Capacity: up to 500 m³/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



TRILLIUM FLOW TECHNOLOGIES

VERTICAL, IN-LINE, SINGLE-STAGE, OVERHUNG PUMP

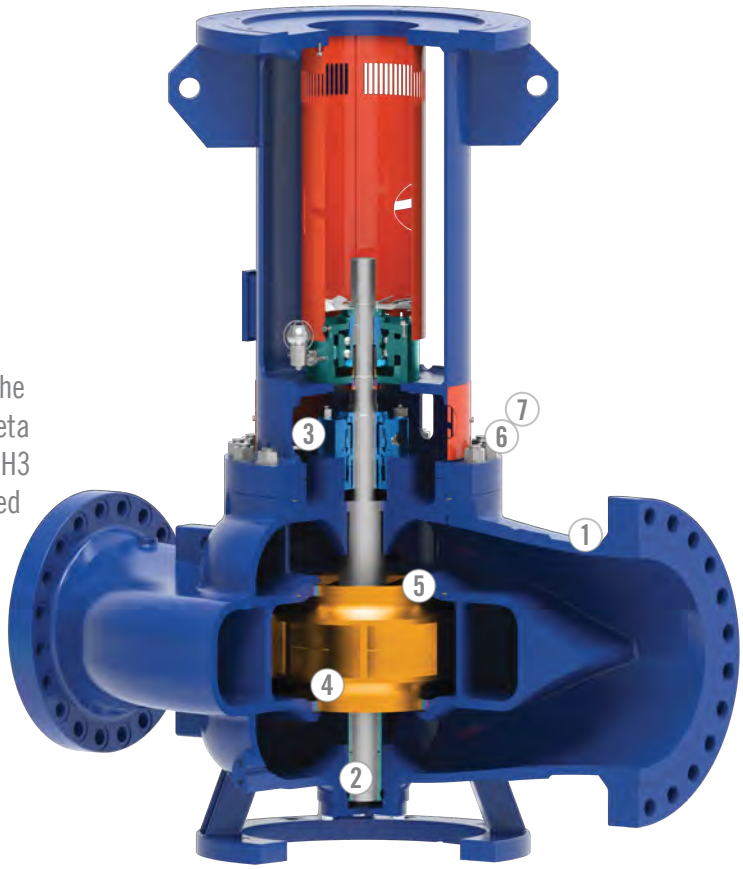
gabbioneta pumps

Termomeccanica Pompe

API-610

TYPE: OH3

TRILLIUM PUMP MODEL: DSIL



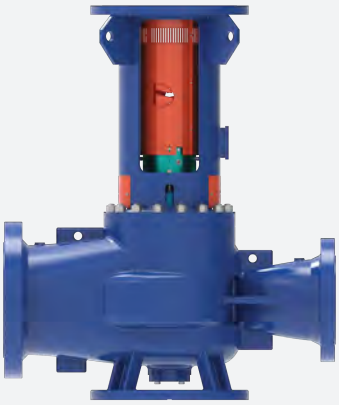
OVERVIEW

Trillium Flow Technologies updated BSD pump range builds on the engineering excellence, innovation, and heritage of our Gabbioneta Pumps® 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 double suction first stage impeller.

KEY FEATURES

- API 610 compliant
- ① Design optimised for inline installation to accommodate piping stress
- ② Heavy-duty shaft to minimize rotor defection and maximize uptime
- ③ API 682 compliant seal chamber
- ④ Closed impeller and case wear rings to minimise axial thrust
- ⑤ Double suction impeller to minimise NPSHr
- ⑥ Back pull-out design for simple maintenance
- ⑦ Back pull-out design also allows quick hydraulic re-rates



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)

Reverse rotation devices

MAIN APPLICATIONS

Refinery Processing

Petrochemical Processing

Tank Drain

Facility Services

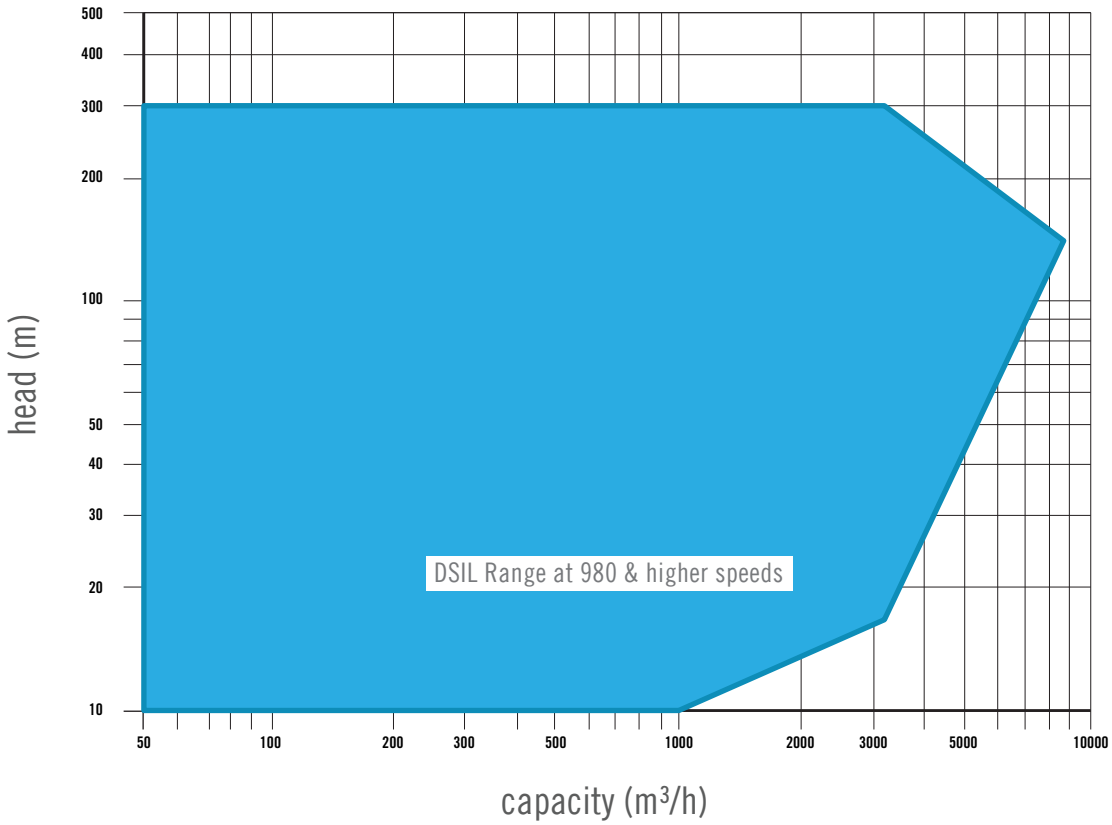
OPERATING RANGE

Capacity: up to 6,000 m³/hr, 26,400 USGPM

Head: up to 300 m, 1,000 ft

Temperature: up to 427°C, 800°F

Speed of rotation: Up to 4,000 RPM



TRILLIUM FLOW TECHNOLOGIES

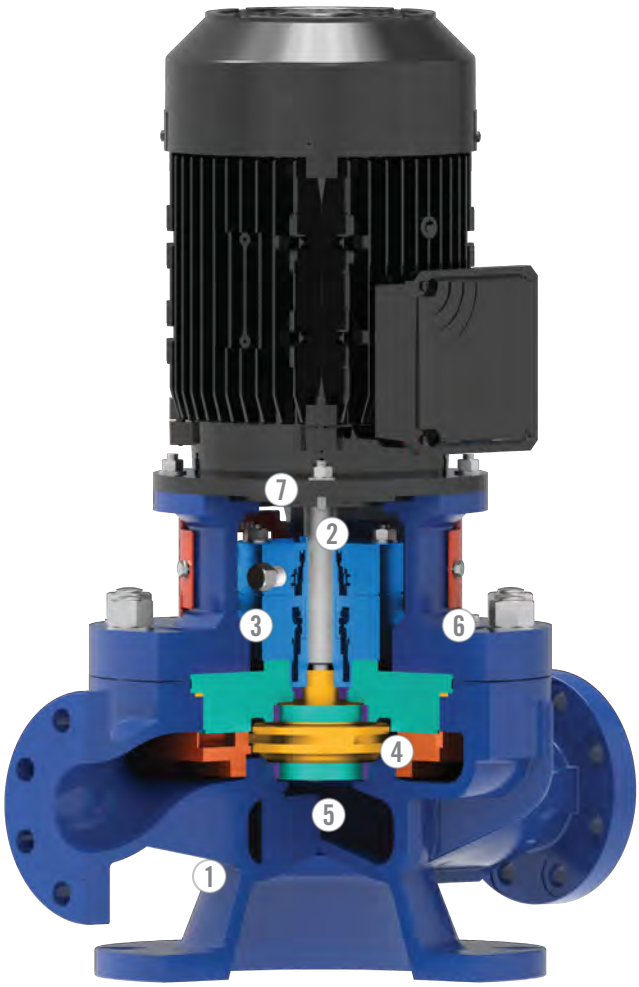
BEGEMANN®

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

API-610

TYPE: OH5

TRILLIUM PUMP MODEL: BS



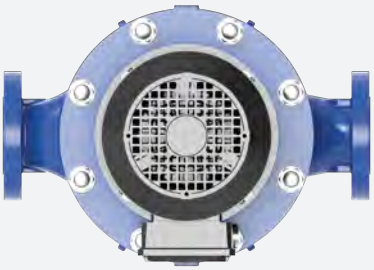
OVERVIEW

Trillium Flow Technologies updated BS 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 a vertical inline, close-coupled, overhung pump.

KEY FEATURES

- API 610 compliant
- ① Design optimized for inline installation to accommodate piping stress
- ② Heavy-duty shaft to minimize rotor defection 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 m³/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