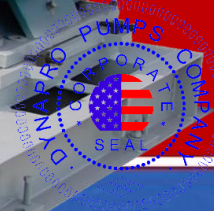
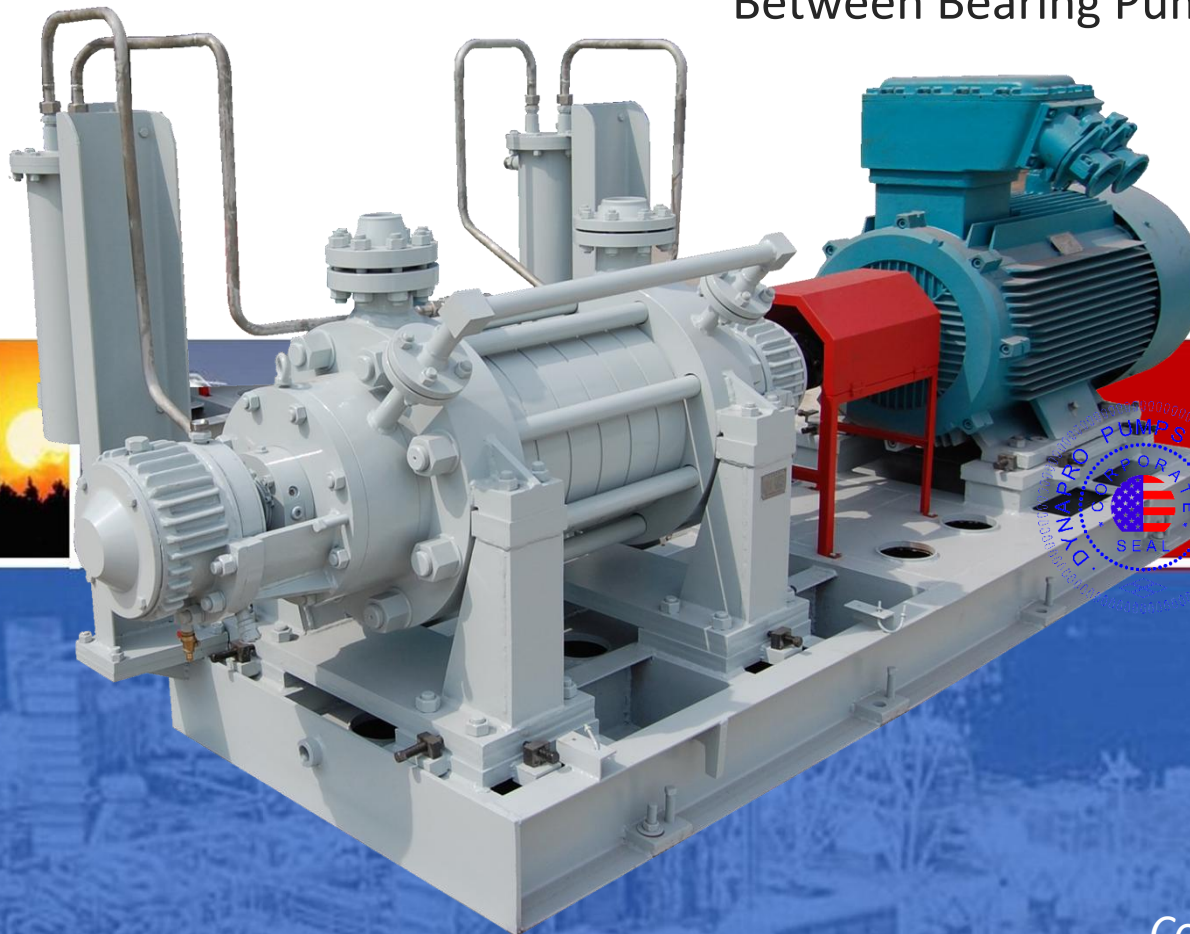


HDS

Multistage, Ring Section
Between Bearing Pumps



API-610, BB4 – LATEST EDITION

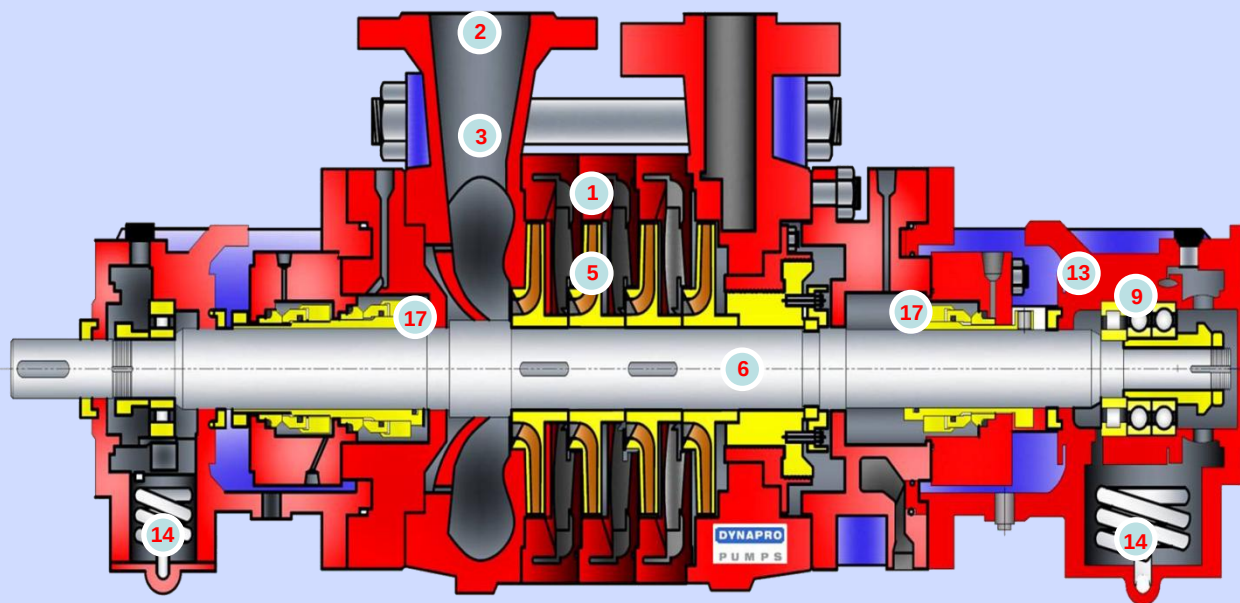
Committed To Excellence

HDS

API-610, BB4

Latest Edition

The Dynapro Pumps Company in centrifugal pump design, development, manufacturing, and servicing to comply to the latest industry standards as full compliance equipment.

**Design Features and Benefits****A. Casing –**

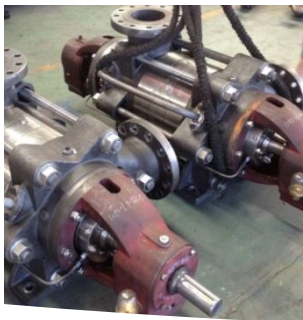
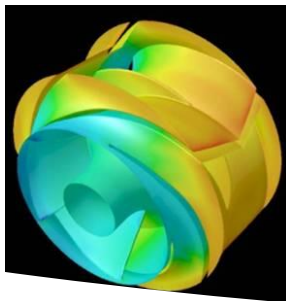
1. Ring section casing with centerline mounted (HDS), and foot mounted (HDS-F) is available for temperature below 150 deg C.
2. Flanges are ANSI 150# RF, 300# RF, and 600# RF available.
3. Smooth suction entry with optimized volute design.
4. Wide range of materials, from S-1 to D-2 as per API-610.

B. Impeller –

5. Precision impeller dynamic balance for smooth operation.

C. Pump Shaft –

6. Robust design with minimal shaft deflection.
7. Deflection less than 0.05 mm at the seal face.
8. Extending duty life of seal and bearings.



HDS is heavy duty, horizontal, multistage ring section between bearing pumps built in according to API 610, latest edition.

HDS is process and transfer centrifugal pumps for multipurpose applications for heavy duty services.



D. Bearing –

- 9. Oil lubricated bearing construction
- 10. Roller bearing and double row angular contact ball providing bearing life of over 25,000 hours.
- 11. Retaining radial forces.
- 12. Providing axial thrust.

E. Bearing Bracket –

- 13. Robust design.
- 14. Optional oil-cooling cover.
- 15. Longer bearing life.
- 16. Maintaining optimum service temperature of the lube oil.

F. Sealing System –

- 17. Soft packing or mechanical seals.
- 18. Pre-engineered for API-682 latest edition mechanical seals and many other type and standard available.

Performance Range

Capacity	Q	700 m ³ /h	(3080 USgpm)
Head	H	1300 m	(4285 ft)
Speed	n	3600 rpm	
Temperature		200 °C	(392 °F)
Pressure		150 barg	(2175 psig)



Dynapro Pumps Company

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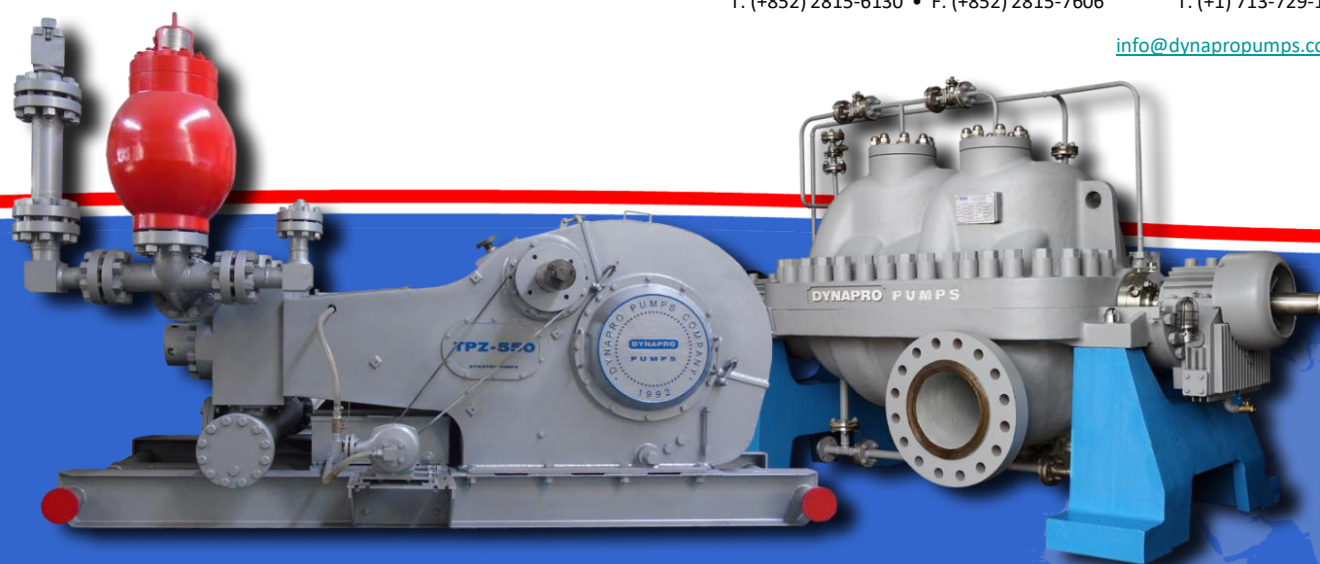
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The manufacturers reserve the right to alter
the specification and data to incorporate
improvements in design.
Certified drawings will be issued on request.