

DYNAPRO PUMPS
A LOUIS PUMPS COMPANY

DVH

Axially Split Case, Double Suction
Between Bearing Pumps
API 610 (BB1)

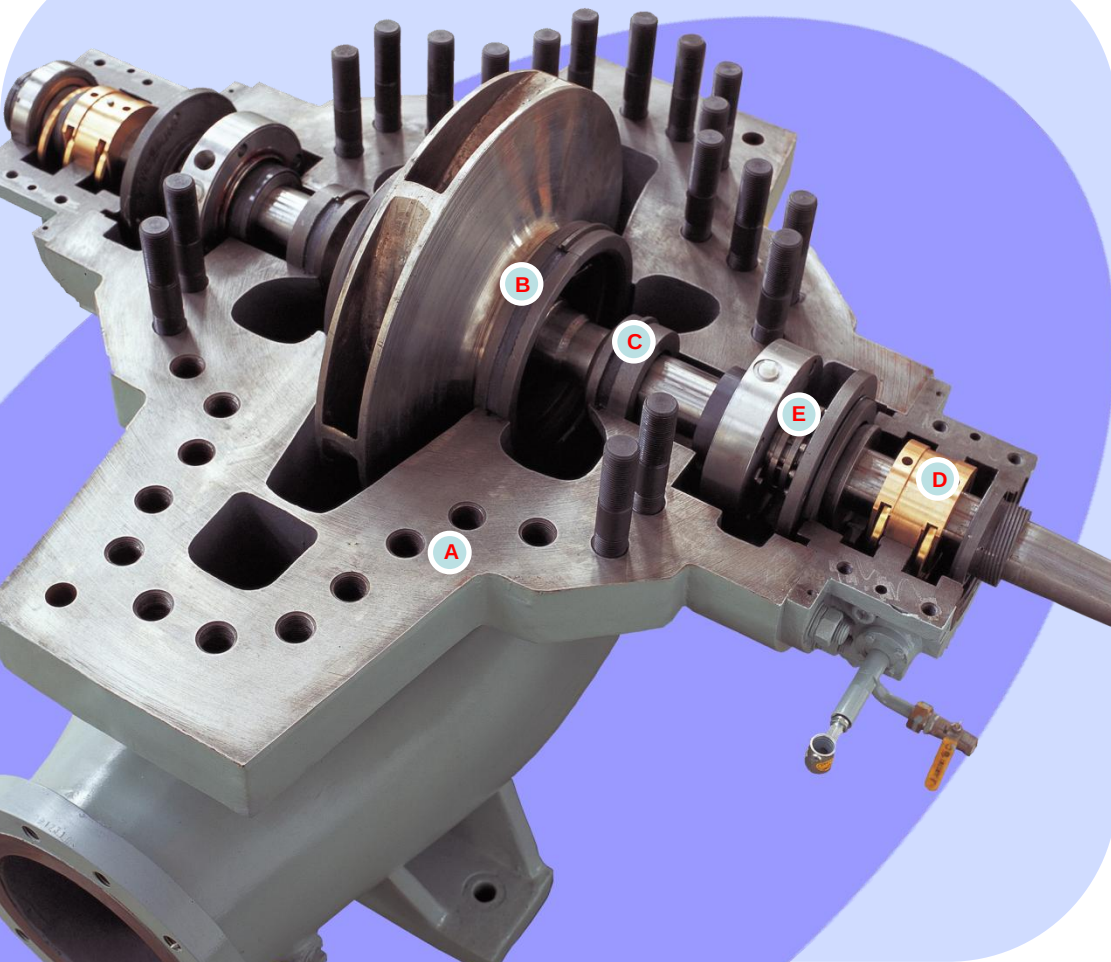


Committed To Excellence

DVH

API-610, BB1
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.



The DVH Pumps

- Horizontal or Vertical Arrangement
- Modular Design System
- Double Suction, Axially Split Case
- Between Bearings
- One or Two Stage
- Foot or Centerline Mounted.

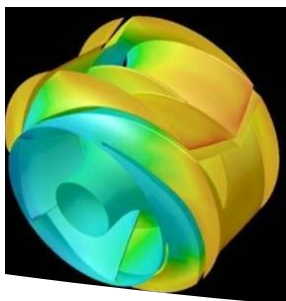
The pumps meet the stringent specifications of API-610 process pumps under heavy- and medium-duty conditions.

To meet these demands, this product range is available in a wide spectrum of materials of construction and numerous design alternatives (as per API-610).

DVH Design Features

A. Casing –

1. Axially split case type for extreme easy of maintenance.
2. The suction and discharge nozzles are cast into the lower half casing hence complete disassembly of the pump can be accomplished without disturbing the suction and discharge piping.
3. Nozzle flanges can be drilled to ANSI, ISO, and BS standard.
4. Self aligning upper casing for easy mounting.



DVH is API-610 Centrifugal Pumps for Heavy Duty Multipurpose Applications from Medium to High Flowrate Services. Standardized Product Ranges and Customized Fit Basis to Match the Service Requirements.



B. Impeller –

5. Computer-optimized double suction impeller provides principal axial thrusts are inherently hydraulically balanced with optimum vane geometry provides high efficiency.
6. Precision impeller statically and dynamically balance according to API-610.

C. Shaft –

7. Heavy duty shaft completely sealed and dry for zero corrosion.
8. Short and rigid with negligible vibrations.
9. No threads exposed to pumpage, long operating life and no corrosion.
10. Shaft is sized to satisfy rotor dynamics and power transmission.

D. Bearing –

11. Oil lubricated bearing air cooled type with external fans. Water cooled bearing housing is available as an option.
12. Duplex ball thrust/ball radial bearings; sleeve radial bearing and tilting pad thrust bearings are available.

E. Sealing System –

13. Pre-engineered for API-682 latest edition mechanical seals.



Performance Ratings

Capacity	Q	10000 m ³ /h	(44000 USgpm)
Head	H	460 m	(1509 ft)
Speed	n	3600 rpm	
Temperature		175 °C	(347 °F)
Pressure		50 barg	(725 psig)

Dynapro Pumps Company

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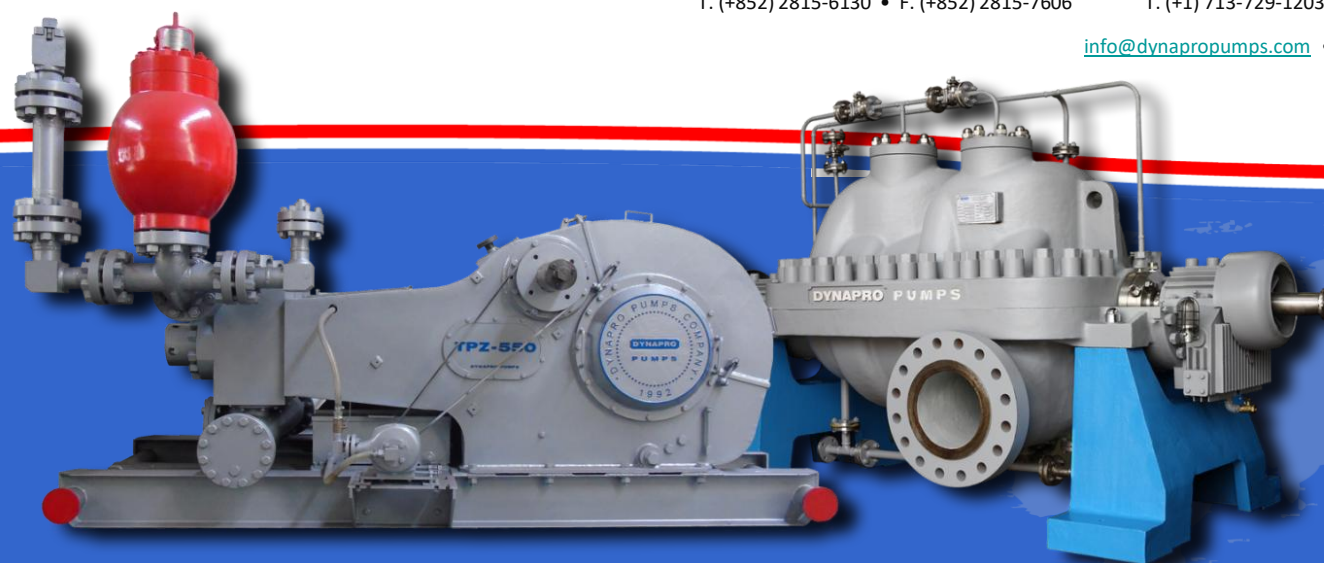
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The manufacturers reserve the right to alter
the specification and data to incorporate
improvements in design.
Certified drawings will be issued on request.