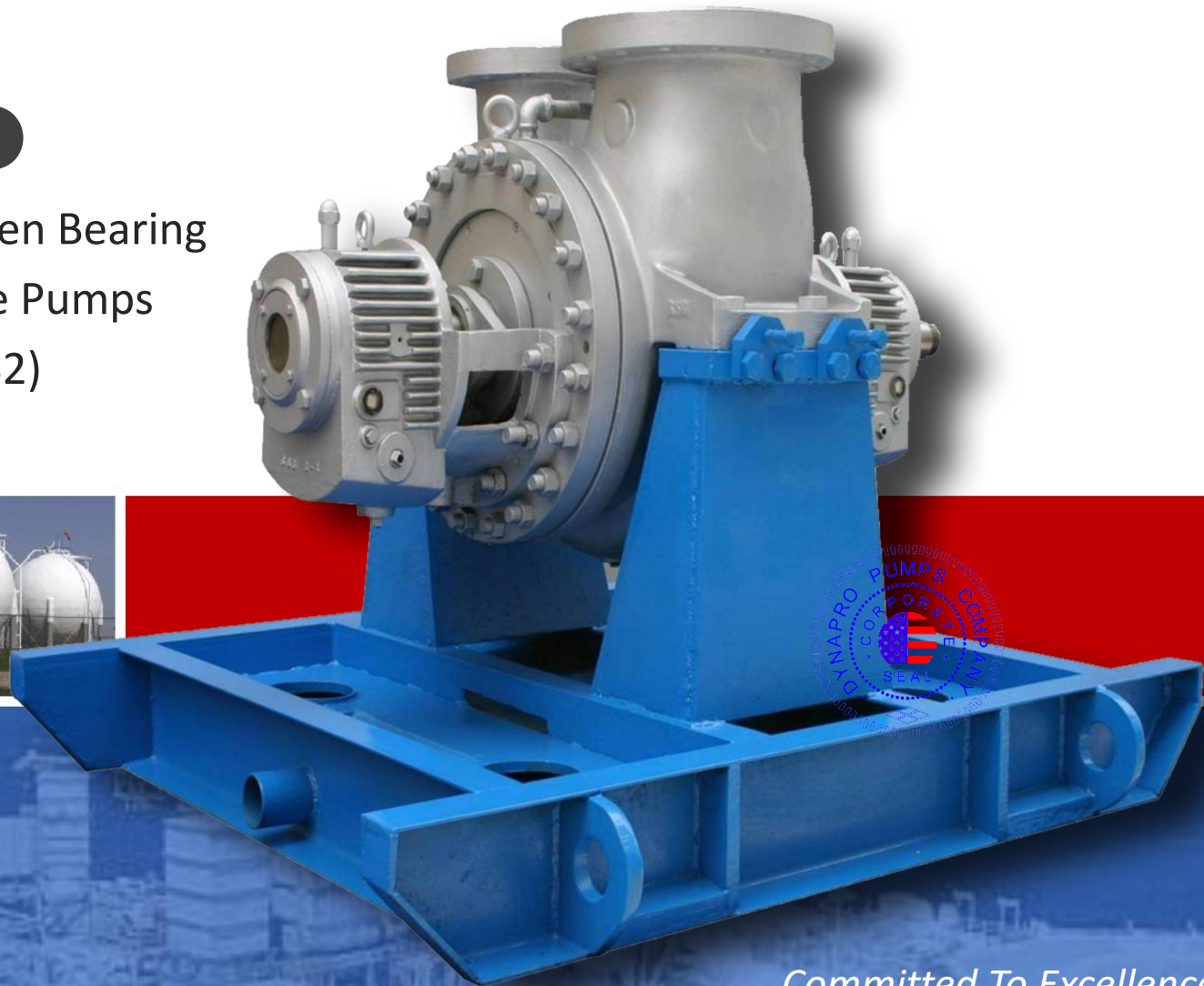


HVD

Radially Split Between Bearing
One or Two Stage Pumps
API 610 (BB2)



Committed To Excellence

HVD**API-610, BB2****11th Edition**

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

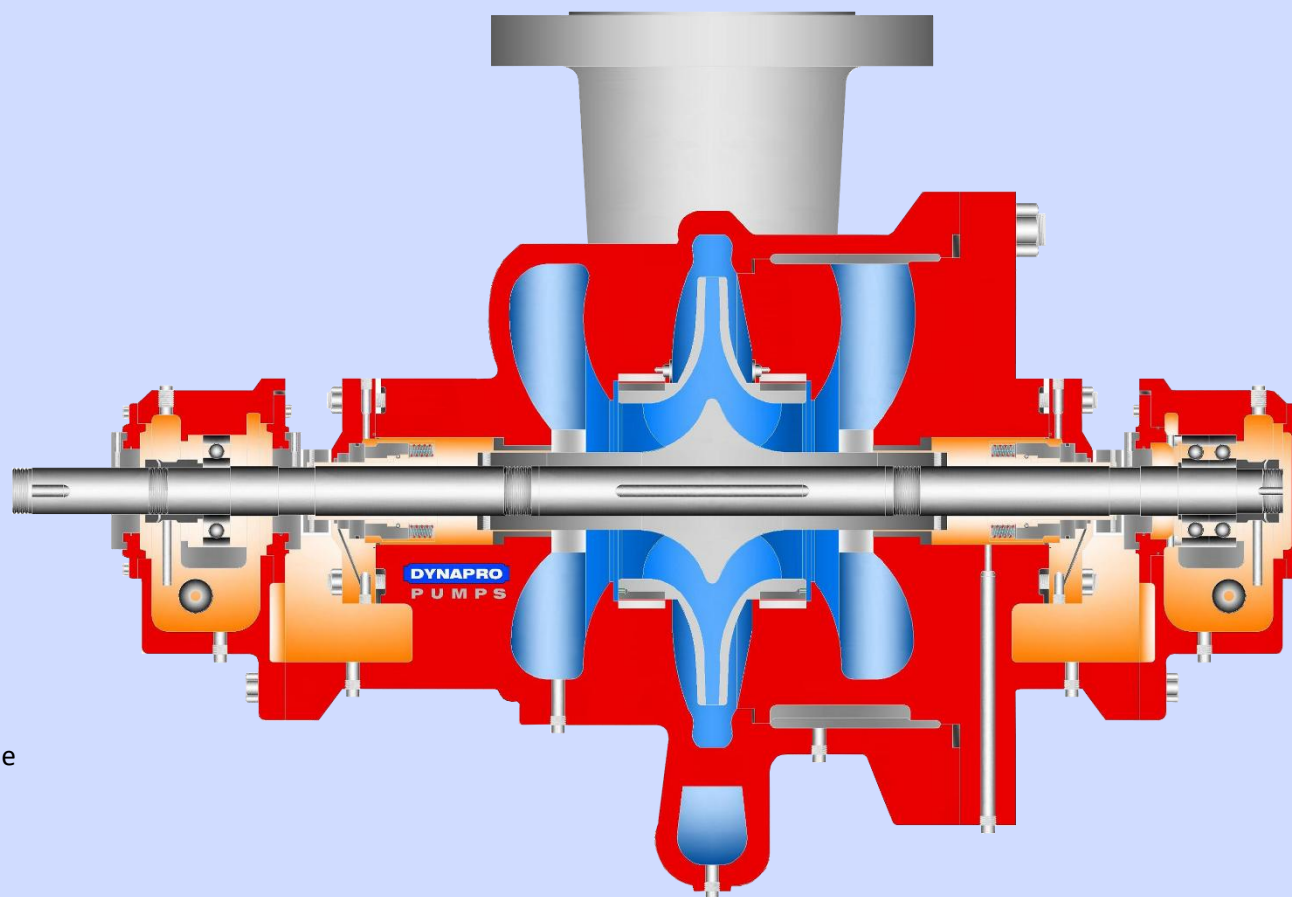
**The HVD Pumps**

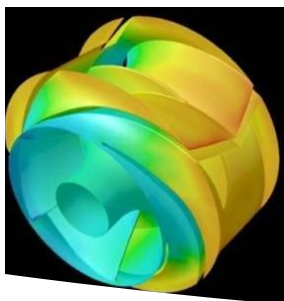
- Horizontal Arrangement
- Modular Design System
- Between Bearings
- One Or Two Stages
- Single Or Double Suction Impeller
- Centerline Mounted.

The pumps meet the stringent specifications of API STD 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 (materials class to API 610).

Qualified specialists in all departments ensure the pumps and equipment from our facilities are able to operate under the most severe conditions.





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



HVD Design Features

1. **High temperature design** – radially split head-to-case joint fully confined gasket.
2. **Low maintenance** – single head on outboard end allows rotor removal without disturbing driver or piping connections.
3. **Low NPSH requirements** – double suction impeller requires minimum NPSH. Balanced construction reduces thrust loads and prolongs bearing life.
4. **Secure impeller mounting** – keyed and locked to shaft.
5. **Balanced radial forces** – double volute construction evenly distributes radial forces.
6. **Many seal options** – pre-engineered for over 40 types of mechanical seals. Also accepts controlled leakage seals or packing.
7. **Water-cooled stuffing box** – available as required.
8. **Renewable wear rings** – renewable case and impeller wear rings included. Flame hardened impeller hubs available for special applications.

9. **Flanges to suit application** – ANSI 300 or 600 lbs, raised face or ring type.
10. **Three bearing arrangements** –
 - (a) double row ball radial and thrust bearings
 - (b) ball thrust and sleeve radial (not shown)
 - (c) sleeve radial and Kingsbury (tilting pad) thrust.
11. **Water-cooled bearing housing** – integrally cast for low bearing housing temperatures.
12. **Stiff shaft design** – minimizes shaft deflection. Maximizes seal and bearing life. Operates below first critical speed in motor driver units.

Performance Ratings

Capacity	Q	4200 m ³ /h	(18200 USgpm)
Head	H	350 m	(1150 ft)
Speed	n	3600 rpm	
Temperature		450 °C	(845 °F)
Pressure		40 barg	(5800 psig)

Dynapro Pumps Company

INTERNATIONAL OPERATIONS

703-7/F, Fu Fai Commercial Centre,
27 Hillier Street, Sheung Wan, HONG KONG
T. (+852) 2815-6130 • F. (+852) 2815-7606

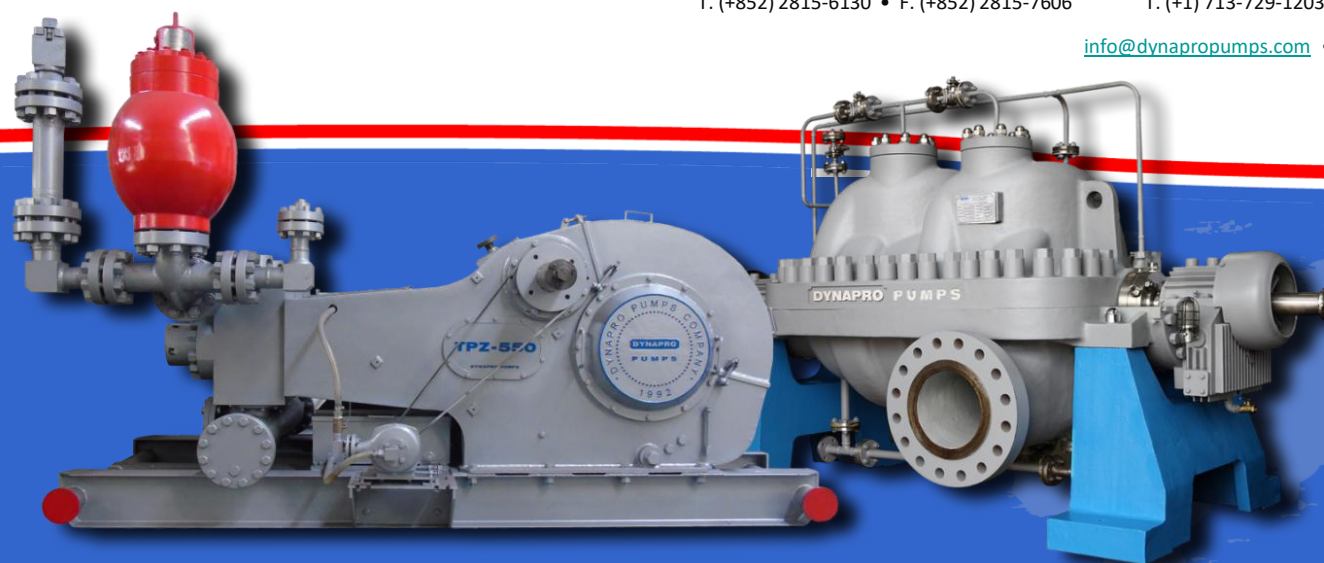
NORTH AMERICA OPERATIONS

5300 N Braeswood Blvd Ste 4-V 725,
Houston, TX 77096, U. S. A.
T. (+1) 713-729-1203 • F. (+1) 713-903-3780

EUROPE OPERATIONS

Charlottenstr. 17, MBE Suite-1018,
Berlin 10117, GERMANY
T. (+49) 30-7677528 • F. (+49) 30-7677529

info@dynapropumps.com • www.dynapropumps.com



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