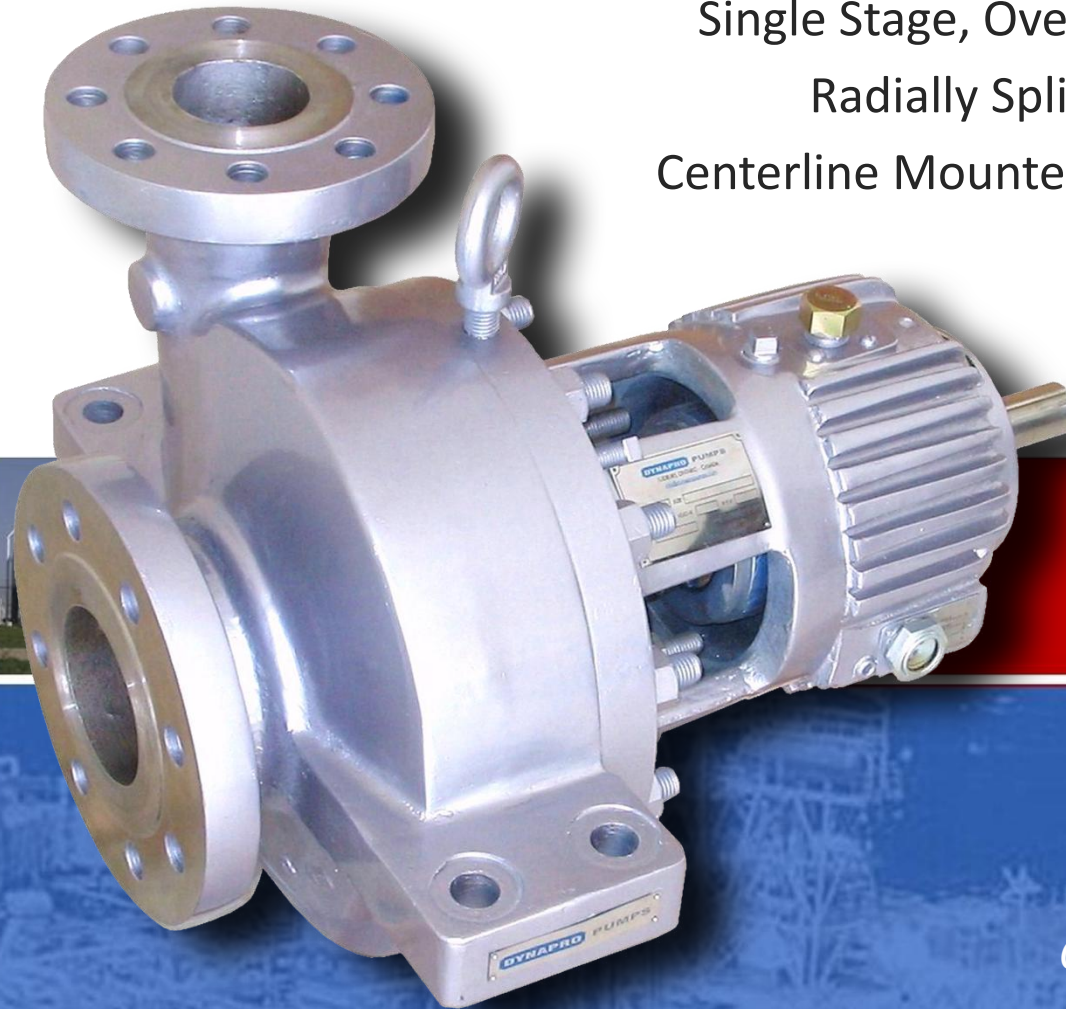


# SJA

Single Stage, Overhung,  
Radially Split,  
Centerline Mounted Pumps



API-610, OH2 – LATEST EDITION

*Committed To Excellence*

**SJA**

**API-610, OH2  
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 –

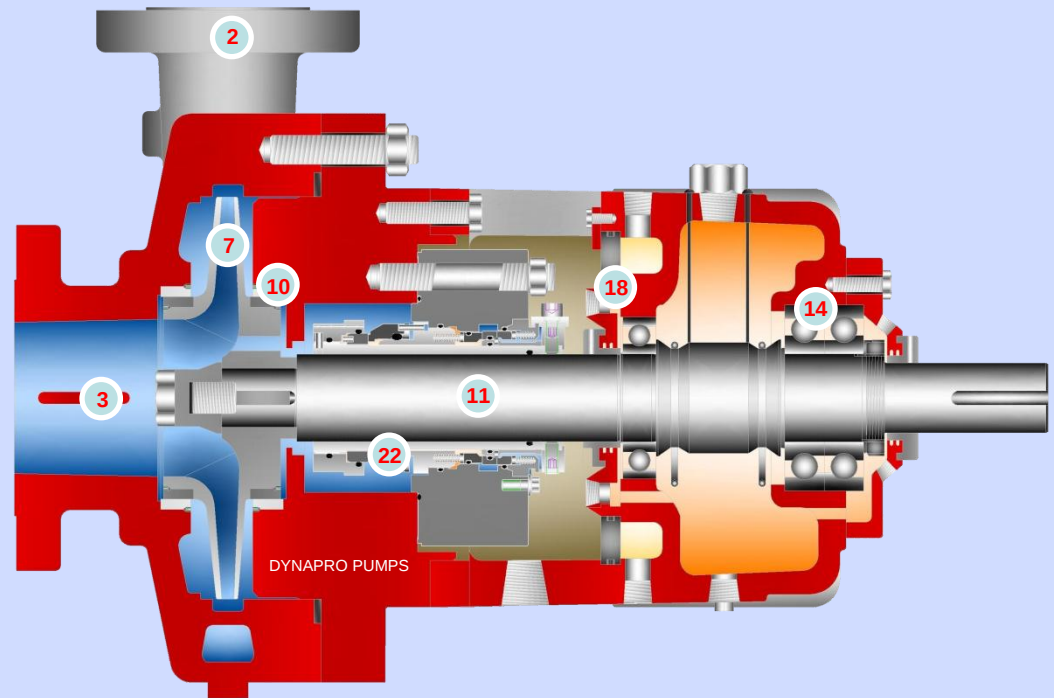
1. Centerline mounted feet integrally cast with the case for equal thermal expansion or contraction.
2. Flanges are ANSI 150# RF, 300# RF, and 600# RF available.
3. Smooth suction entry with optimized volute design.
4. Complete and fast draining of the pump.
5. Available with integrated cooling or heating chamber.
6. Wide range of materials, from S-1 to D-2 as per API-610.

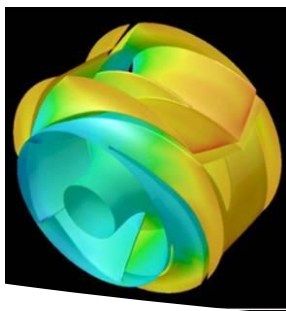
### B. Impeller –

7. Precision impeller dynamic balance for smooth operation.
8. Suitable for liquids with solids.
9. Easy to clean when pumping sticky liquids.
10. Replaceable wear rings.

### C. Pump Shaft –

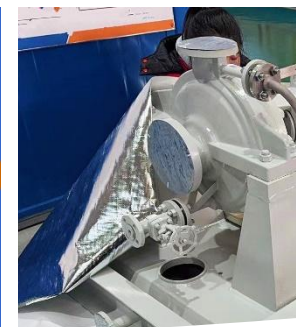
11. Robust design with minimal shaft deflection.
12. Deflection less than 0.05 mm at the seal face.
13. Extending duty life of seal and bearings.





SJA is a heavy duty, horizontal, overhung, radially split, single stage, end-suction pumps built in accordance with API 610, latest edition.

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



## D. Bearing –

- 14. Oil lubricated bearing construction
- 15. Roller bearing and double row angular contact ball providing bearing life of over 25,000 hours.
- 16. Retaining radial forces.
- 17. Providing axial thrust.

## E. Bearing Bracket –

- 18. Robust design.
- 19. Optional oil-cooling cover.
- 20. Longer bearing life.
- 21. Maintaining optimum service temperature of the lube oil.

## F. Sealing System –

- 22. Soft packing or mechanical seals.
- 23. Seal chambers meet API-610 dimensional requirement.
- 24. Pre-engineered for API-682 latest edition mechanical seals and many other type and standard available.

## Performance Range

|             |   |                        |              |
|-------------|---|------------------------|--------------|
| Capacity    | Q | 2000 m <sup>3</sup> /h | (8800 USgpm) |
| Head        | H | 250 m                  | (820 ft)     |
| Speed       | n | 3600 rpm               |              |
| Temperature |   | 427 °C                 | (800 °F)     |
| Pressure    |   | 60 barg                | (870 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

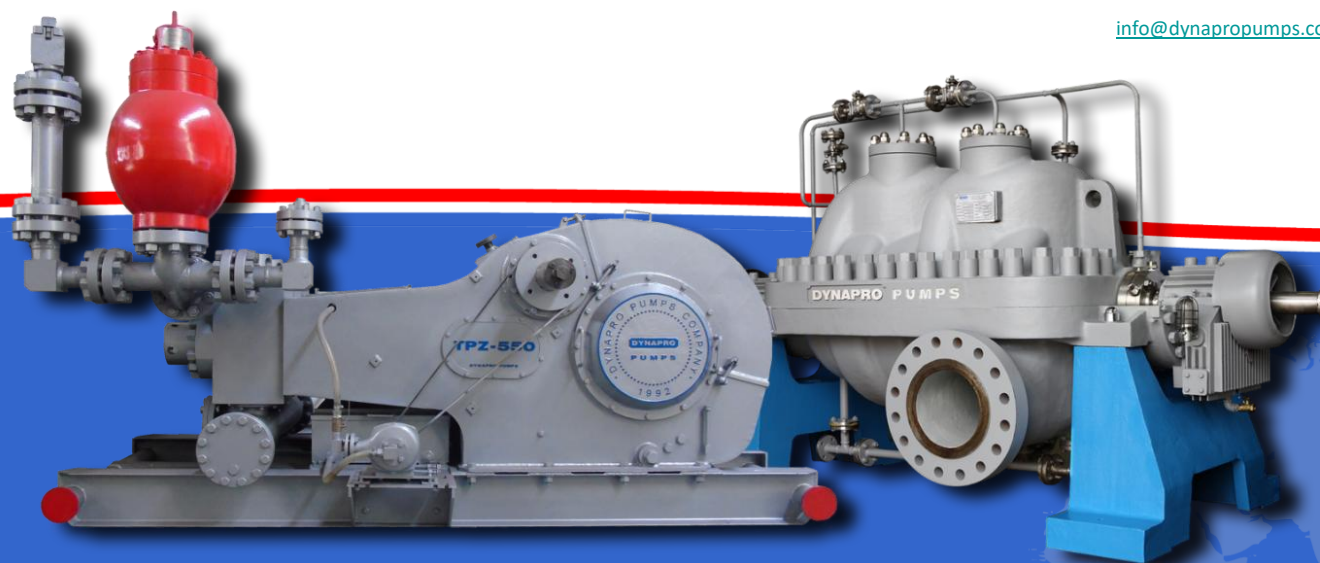
### NORTH AMERICA OPERATIONS

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](mailto:info@dynapropumps.com) • [www.dynapropumps.com](http://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.