

## SLZA Series Petrochemical Process Pump



### Introduction

SLZA Series pumps are horizontal, axial suction, single stage, single suction centrifugal pumps. The design is in accordance with 10<sup>th</sup> version of ANSI/API 610-2004 (Industrial centrifugal pumps for petroleum, heavy chemical and natural gas). Among these series of pumps, SLZA is OH1 type and SLZA E/F is OH2 type. These pumps are suitable for transferring liquid like clean fluid, low or high temperature flammable, explosive and corrosive liquid with solid.

### Performance Parameters

- Aperture (DN): 25 ~ 400mm
- Capacity (Q): 2 ~ 2400 m<sup>3</sup>/h
- Head (H): up to 300m
- Working Pressure (P): 2.5 MPa ~ 7.5 MPa
- Working Temperature (T): - 80° C ~ 430° C

### Applications

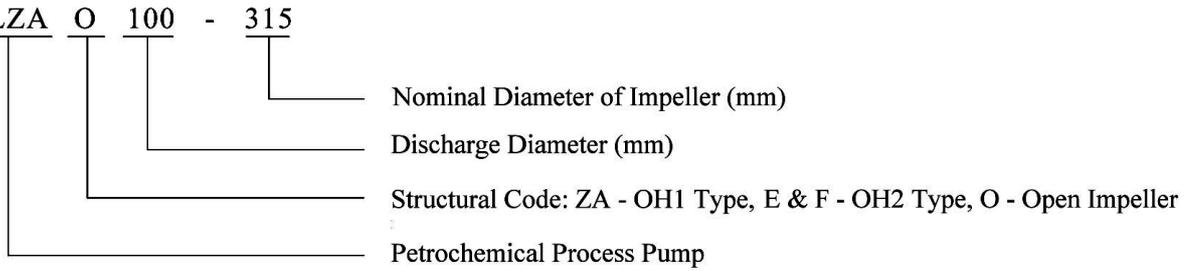
- Refinery plant, petro-chemical industry, coal-process industry and low temperature projects
- Chemical industry, paper-making, pulp and sugar refinery and normal process industries.
- Water supply plant, Desalination
- Heat supply and Aircondition system
- Power plant
- Environment engineering
- Naval architecture and ocean engineering



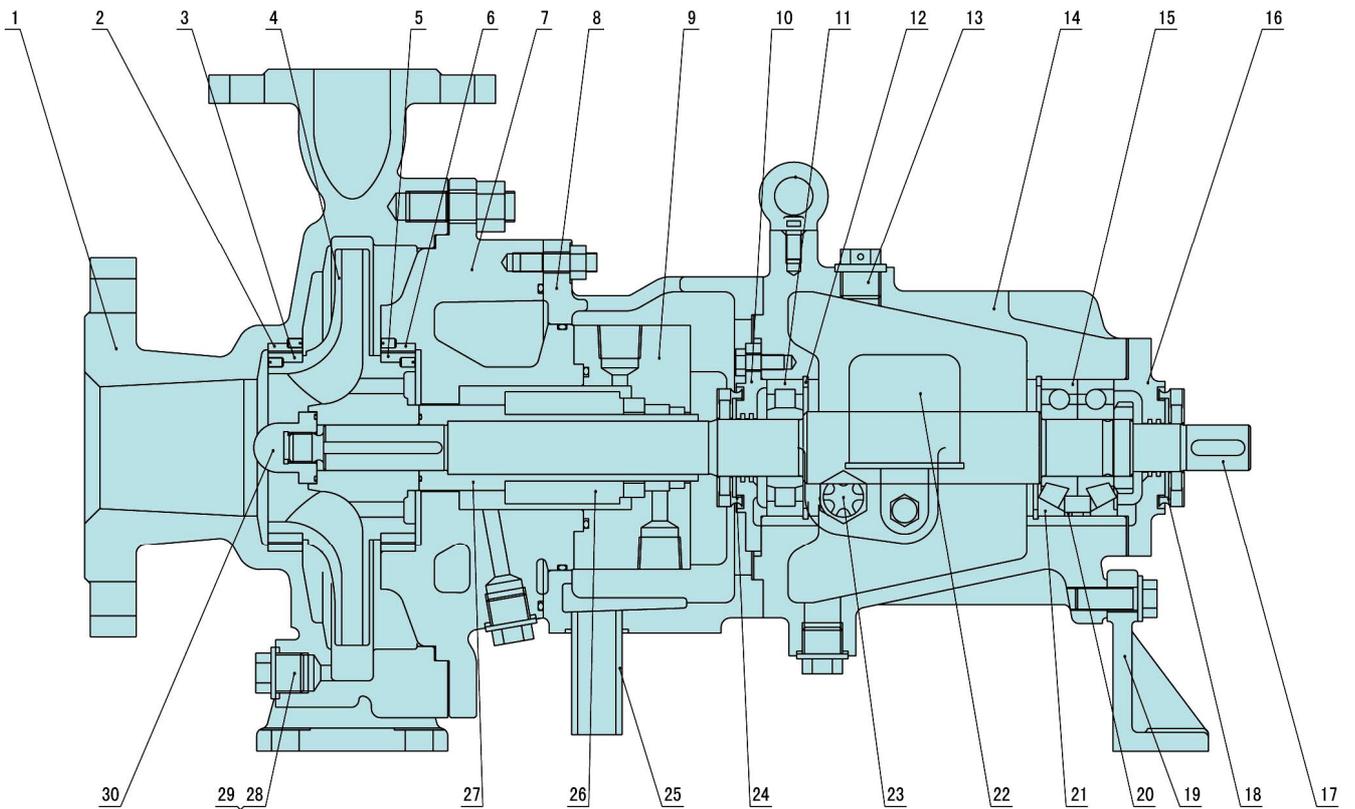
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## Definition of Model

SLZA O 100 - 315

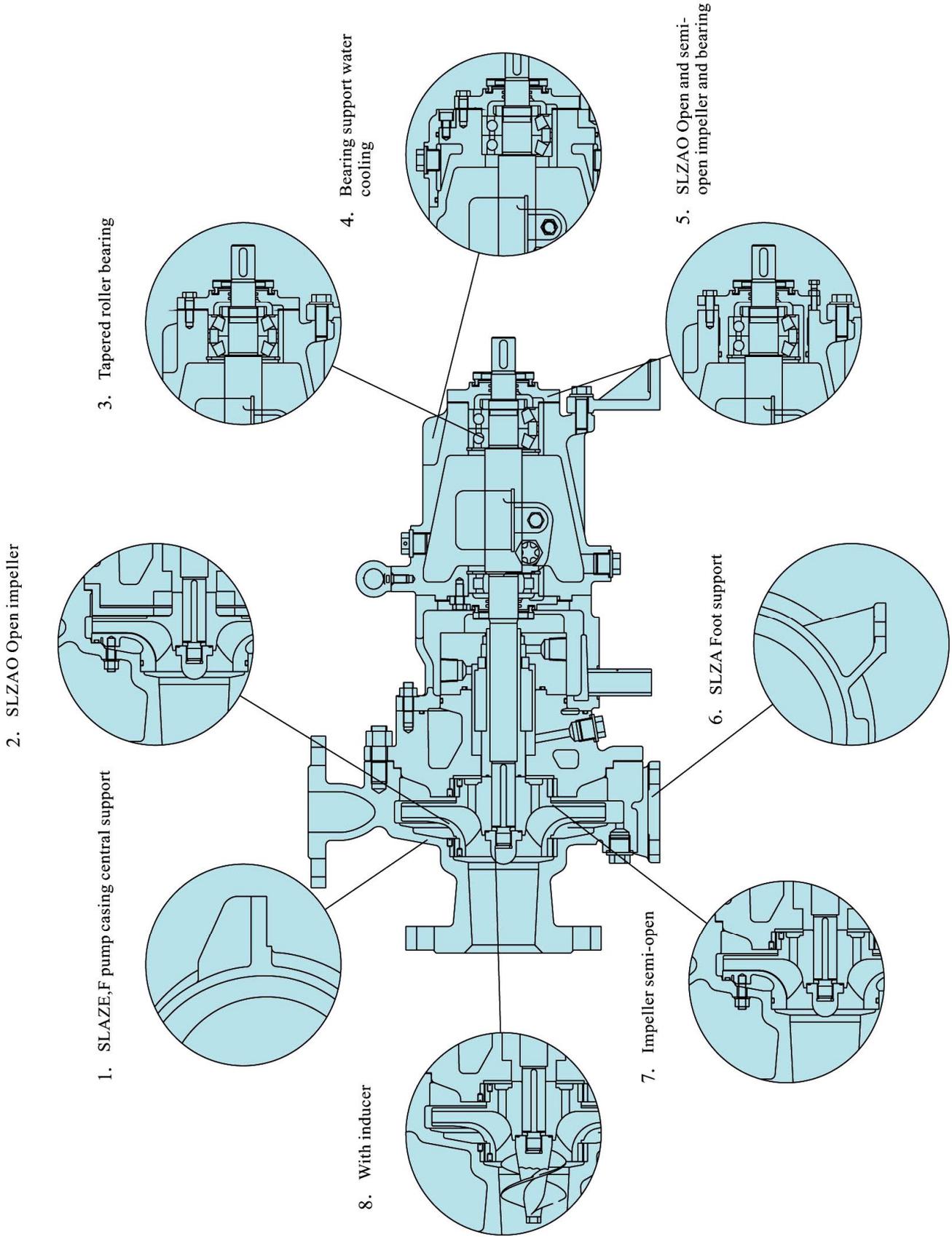


## Structural Drawing



- |                                |                          |                          |
|--------------------------------|--------------------------|--------------------------|
| 1. Pump Casing                 | 11. Bearing              | 21. Bearing              |
| 2. Casing Wear Ring            | 12. Baffler              | 22. Oil Cup              |
| 3. Front Wear Ring of Impeller | 13. Vent Plug            | 23. Oil Level Gauge      |
| 4. Impeller                    | 14. Bearing Support      | 24. Front Anti-dust Disc |
| 5. Back Wear Ring of Impeller  | 15. Bearing              | 25. Drainage Tube        |
| 6. Pump Cover Ring of Impeller | 16. Back Bearing Gland   | 26. Mechanical Seal      |
| 7. Pump Cover                  | 17. Shaft                | 27. Shaft Sleeve         |
| 8. Connecting Part             | 18. Back Anti-dust Cover | 28. Screw Plug           |
| 9. Seal Gland                  | 19. Support              | 29. Seal Gasket          |
| 10. Front Bearing Gland        | 20. Bearing Baffler      | 30. Impeller Nut         |

# Structure Evolution



# Performance Rang (50 Hz)

