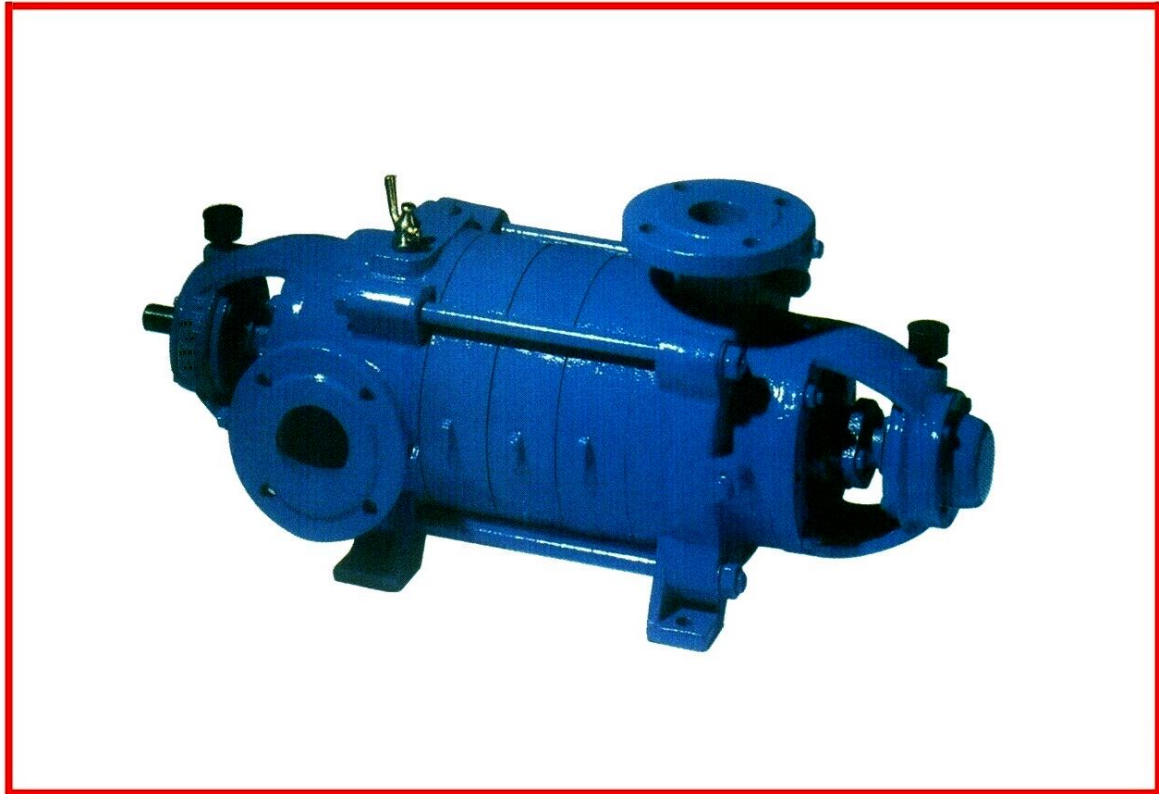


MS Series Model SLD Single Suction Multistage Centrifugal Pump



Features And Benefits

- * Low noise
- * Stable running

Technical Data

- * Capacity 6.3 ~ 450 m³/h
- * Head 22 ~ 650m
- * Temperature ≤ 80°C

Applications

- * Water supply & drainage for mines, factories and cities



DRAKOS - POLEMIS INC
PUMP MANUFACTURERS

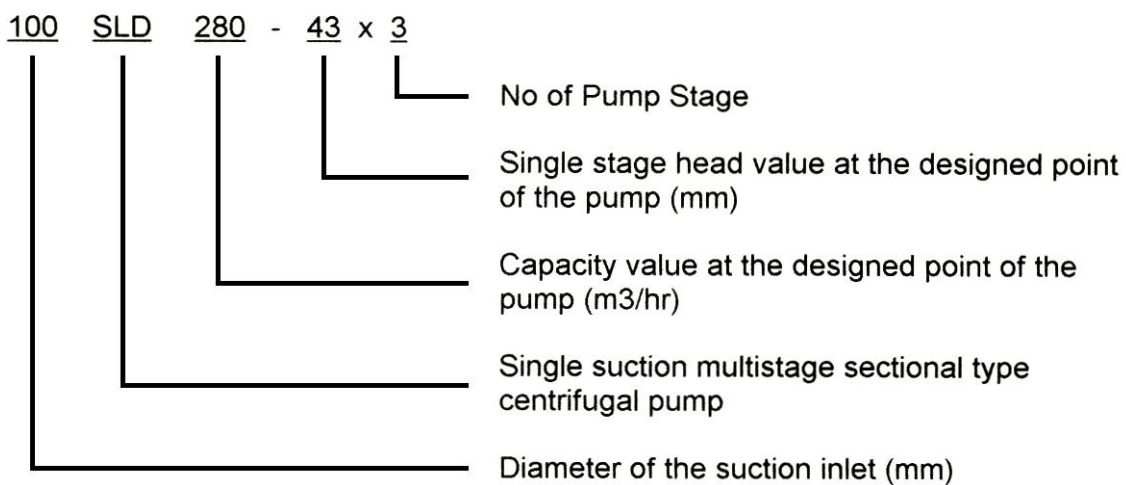
Description

MS Series Model SLD Single suction multistage sectional type centrifugal pump is used to transport the pure water containing no solid grains and the liquid with both physical and chemical natures similar to those of pure water, the temperature of the liquid is not over 80°C, suitable for water supply and drainage in mines, factories and cities.

Range of Performance

Capacity (Q) : 6.3 to 450 m³/hr
Head (H) : 22 to 650 m

Definition of Model



Description of Structure

MS Series Model SLD pump consists of four parts – stator, rotor, bearing and shaft seal:

1. Stator – consists of the inlet, middle and outlet sections and the guide vane etc., with the take up bolt tightly clamping all sections to form a working room. The inlet of it stands horizontally while the outlet vertically upward.
2. Rotor – consists of shaft, impeller, balancing disk and muff etc., the shaft passes the power to the impeller to have it work, the balancing disk balances the axial forces and replaceable muff is mounted on both sides of the shaft to protect it.
3. There are rolling and sliding bearings:
The sliding bearing consists of bearing body and cover, liner, dust proof disk, oil leveler, oil-throwing ring etc. and used thinned oil for lubrication.
4. The shaft is sealed with stuffing and the shaft seal consists of the sealing contents, stuffing, and baffle. The liquid in the sealing workroom functions water sealing, water-cooling and water lubricating and the water for water sealing comes from the pressure water inside of the pump.
In addition, the pump is directly actuated by the prime mover through the elastic clutch and moves clock wise direction when viewing from the prime mover.

Structural Drawing Of Model SLD Pump

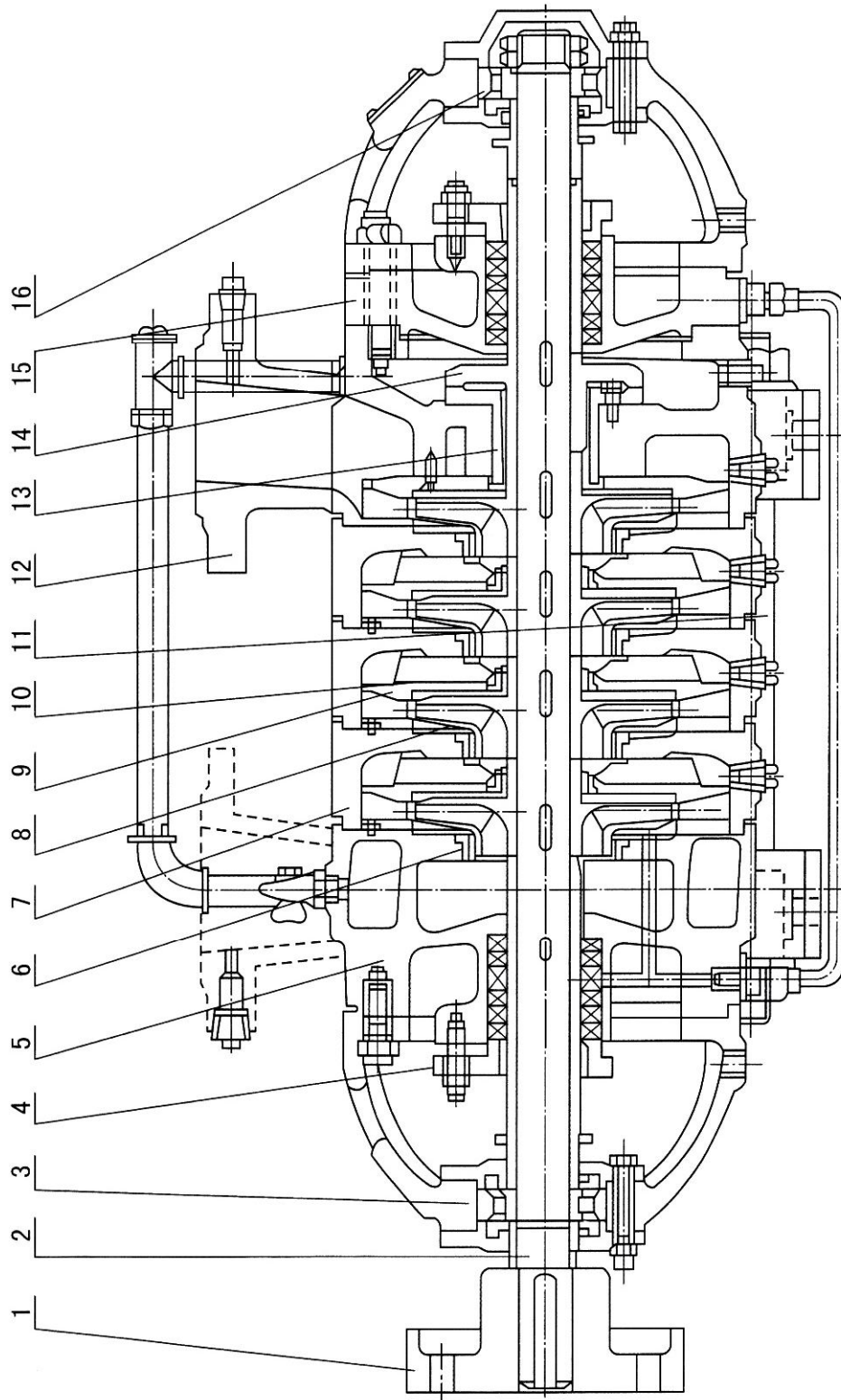


Fig. 1 Supported with the rolling bearing

1	Clutch part	3	Bearing body	5	Suction section	7	Middle section	9	Guide vane	11	Take-up bolt	13	Balancing sleeve	15	Stuffing content
2	Shaft	4	Stuffing gland	6	Seal ring	8	Impeller	10	Guide vane sleeve	12	Discharge section	14	Balancing disk	16	Bearing

Structural Drawing Of Model SLD Pump

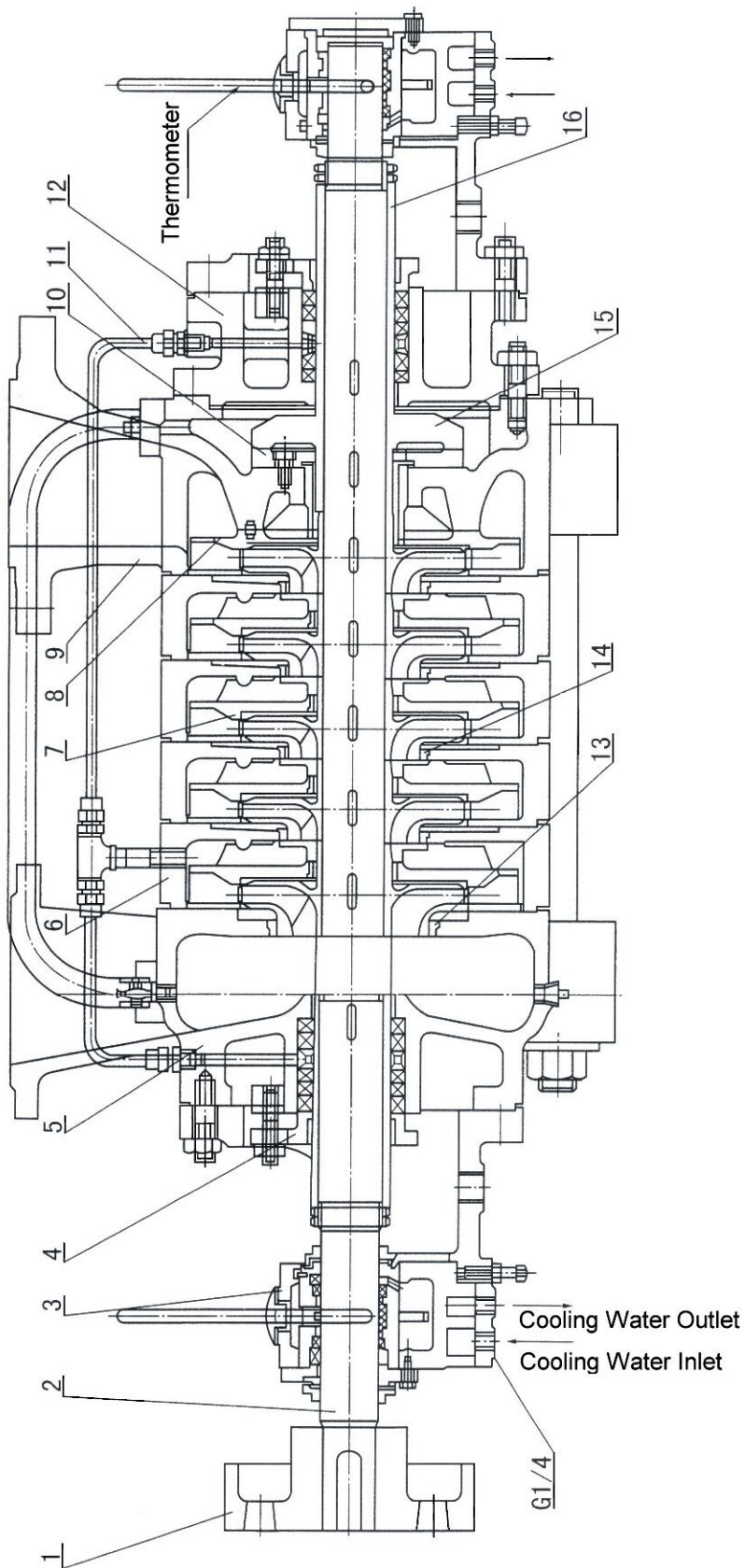


Fig 2. Supported with the sliding bearing

1	Elastic clutch of cylindrical pin	3	Sliding bearing part	5	Suction section	7	Guide vane	9	Discharge section	11	Water sealing pipe part	13	Seal ring	15	Balancing disk
2	Shaft	4	Stuffing gland	6	Middle section	8	Final stage guide vane	10	Balancing ring	12	Stuffing content	14	Impeller	16	Bearing