



# SOUTHERN PUMPS SOUTH AFRICA (PTY) LTD

## Horizontal volute type pumps Type Centrinorm

Max. capacity: 1500m<sup>3</sup> / h  
Max. head: 95m  
Operating temperature: between - 40°  
and + 105°C  
Max. allowable working pressure: 10 bar  
Max. allowable inlet pressure: 4 bar  
Allowable operating temperature for  
the version with mechanical seal: between  
0° and + 140°C.

*Suitable for pumping all liquids that are clean, or carry light suspensions of solid impurities, and that do not corrode either cast iron or bronze.*

### APPLICATIONS

*Cold and hot water circulation in air condition installations.*

*Hot water circulation in heating systems.*

*As coolant circulation pump in refrigeration plants.*

*Circulation of swimming pool water.*

*Cooling water pump in chemical- and other industries.*

*Circulation pump in washing and rinsing systems.*

*In industrial and municipal water supply installations.*

*Fire fighting pump and in fire protection system (Sprinkler).*

*Irrigation and drainage in the agricultural sector.*

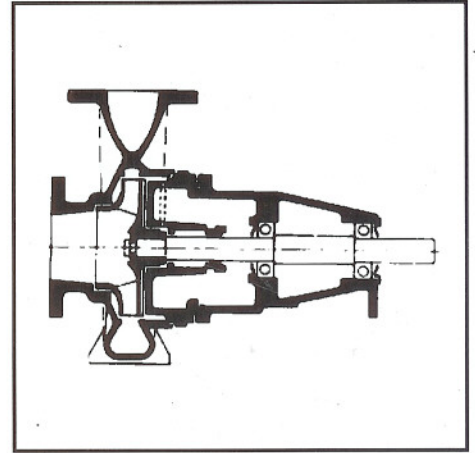
*As general purpose pump in the food industry and in other processing industries.*

*The centrinorm series is designed to DIN standard 24255. This means:*

- *Principal dimensions are standardised, ensuring trouble-free replacement.*
- *Back pull-out type; use of a spacer coupling permits removal of the bearing bracket, complete with pump rotor etc. without the disconnection of the suction and discharge or removal of the motor.*

*Why is a centrinorm pump a good investment?*

- *The chromium steel oversized shaft offers a minimum of shaft deflection and a maximum resistance to corrosion and wear, so ensuring low maintenance costs.*
- *Only five different bearing bracket sizes are necessary for the whole range. This makes for optimal interchangeability and thus minimal stock requirements for spare parts.*
- *Very favourable NPSH figures, so the positioning of the pump relative to the suction level is less critical.*



- *High efficiency, so low power costs.*
- *Self-venting volute.*
- *The version with mechanical seal can operate at up to 140° C without stuffing box cooling; this minimises the cost of the installation.*

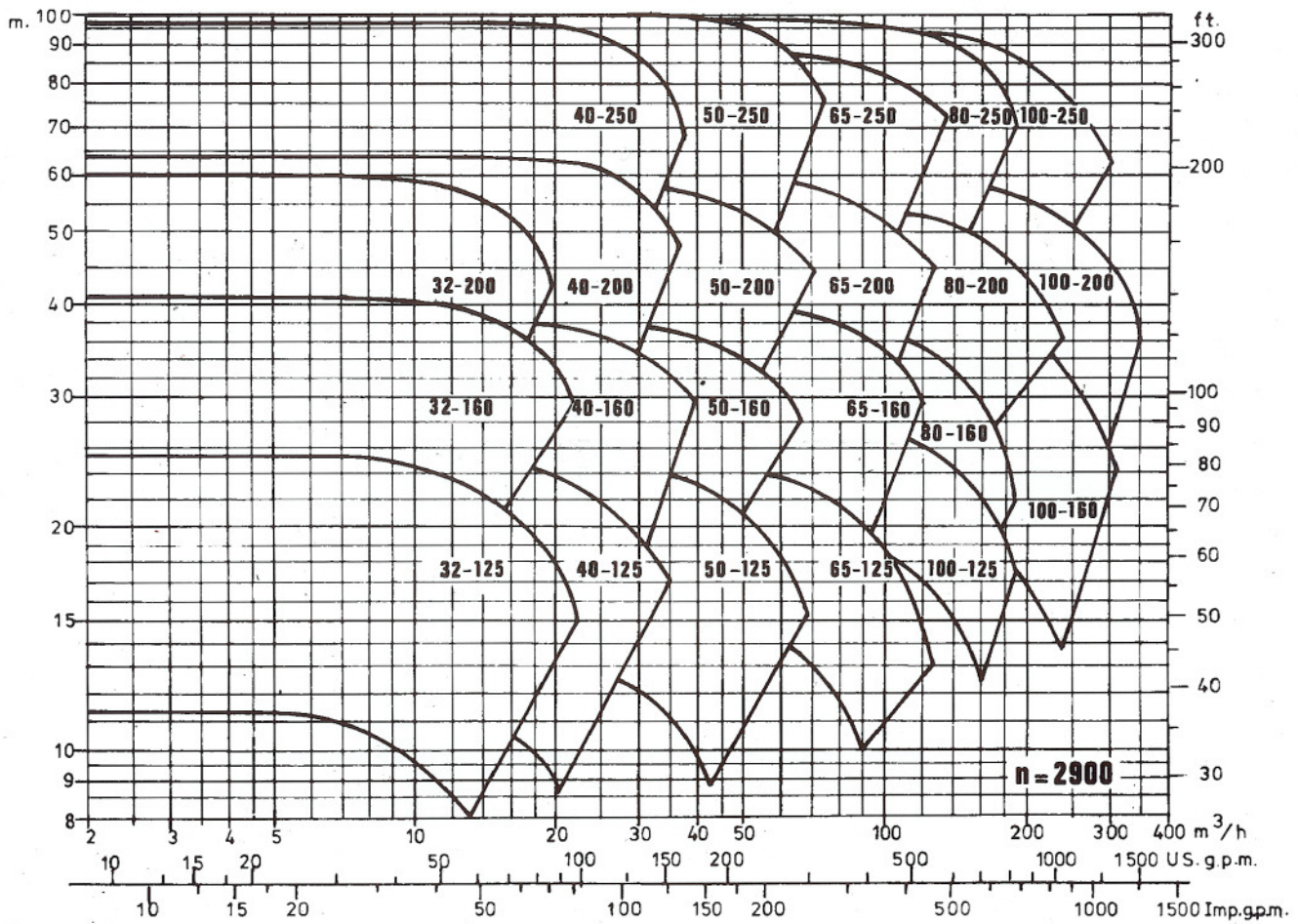
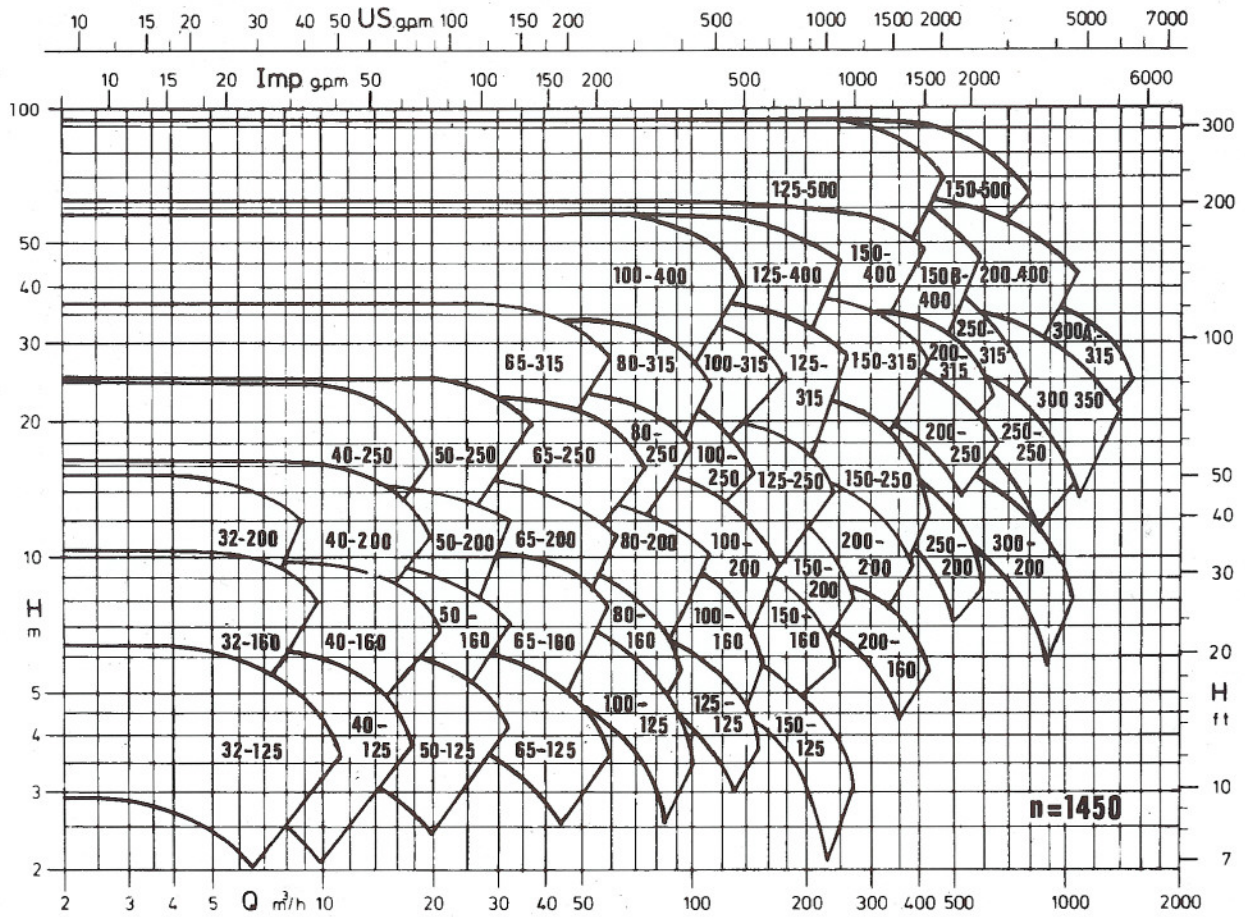
### FURTHER FACTS ABOUT THE CENTRINORM PUMP.

*The complete range consists of 50 pump sizes. 29 Of these fill the Q-H grid of DIN standard 24255. The dimensions of these pumps also conform to this DIN standard. The remaining 21 pumps fall outside the grid covered by the DIN standard. The impeller has back vanes, reducing the pressure on the shaft seal and keeping the axial thrust on the pump rotor to a minimum. Pumps with bearing bracket groups 1, 1a, 2 and 3 (see dimension chart) have dustproof grease-packed deep groove ball bearings. Those with bearing bracket group 4 have a roller bearing and a double row angular contact bearing with grease nipples for lubrication. The mating surfaces of pump casing and cover are outside the casing gasket, so they do not come into contact with the liquid pumped. The same applies for the casing studs. Can be supplied in three standard materials.*



**Horizontal  
centrifugal pumps  
Centrinorm**





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