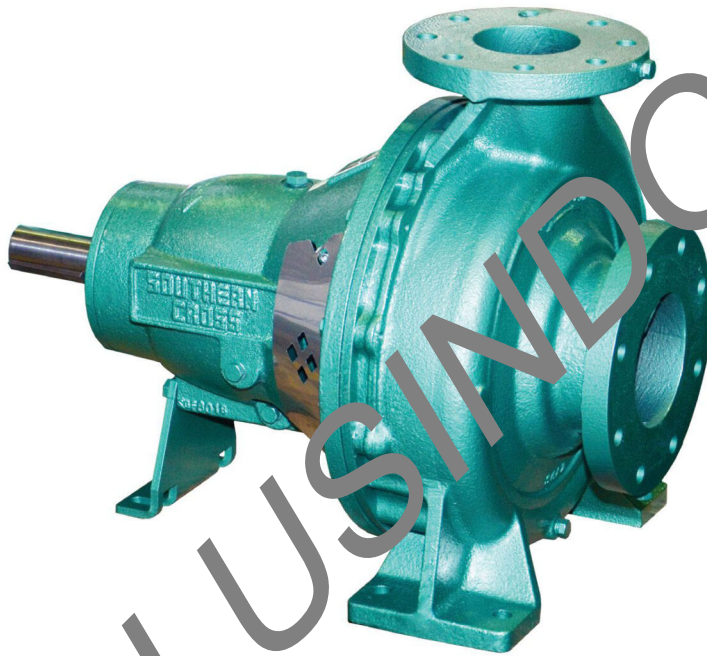


# SOUTHERN CROSS ISO SOVEREIGN

## ISO 2858 STANDARD END SUCTION CENTRIFUGAL PUMPS

BENCHMARK CENTRIFUGAL PUMPING PERFORMANCE AND RELIABILITY



### FEATURES

Superior hydraulic design for higher efficiencies and reduced operating costs.

High efficiency double curvature impeller vanes.

32 to 200mm discharge.

Cast iron, zinc free bronze or stainless steel construction.

Wide range of options.

AS2129 Table "E" flanges as standard with optional drillings available.

Back-pullout design allows removal of the pump rotating element without the removal of motor or suction and discharge lines for maintenance

Heavy duty sealed for life grease packed ball bearings.

Taper mounted and keyed impeller.

Horizontal or vertical pump discharge mounting.

### APPLICATIONS

Irrigation  
 Building Services  
 Fire Protection  
 Industry  
 Processing  
 Agriculture

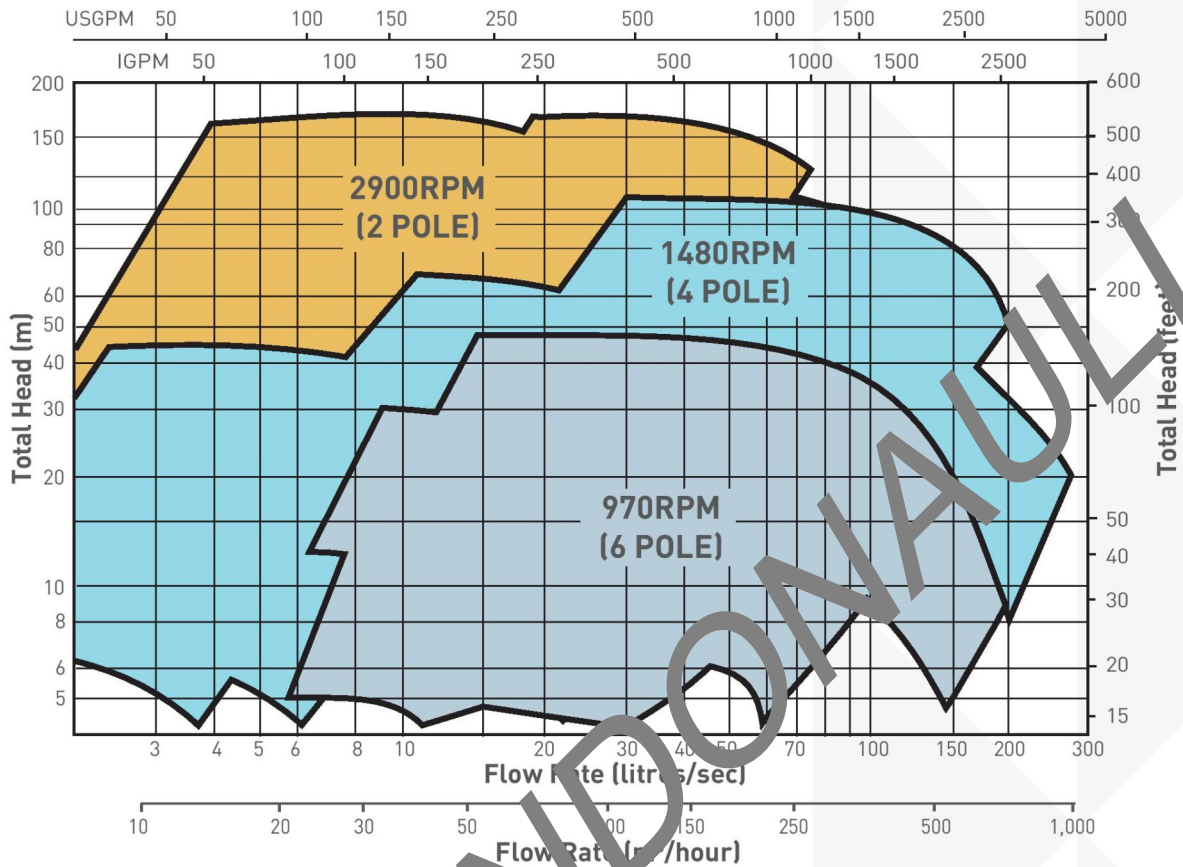
### OPTIONS

Wear Rings  
 Mechanical Seal or Packed Gland Seal  
 Paint and Internal Coatings  
 Materials of Construction  
 Flange Drillings  
 Works Certified and Witness Testing  
 Impeller Turndowns  
 Flexible and Spacer Couplings  
 Pressed or Welded Baseplates

### OPERATING LIMITS

|               |  |
|---------------|--|
| Capacity      | Maximum 250 litres/sec                             |
| Head          | Maximum 160 metres                                 |
| Liquid Temp.  | 0°C to +100°C<br>Up to 140°C with high temp. seals |
| Pumped Liquid | Clean Water  |

## PERFORMANCE



## MATERIALS OF CONSTRUCTION

| Description                      | Standard               | Optional            |
|----------------------------------|------------------------|---------------------|
| Volute Casing <sup>1</sup>       | Cast Iron              |                     |
| Bearing Cover                    | Cast Iron              |                     |
| Impeller Nut & Lock Washer       | 316 Stainless Steel    |                     |
| Backplate <sup>1</sup>           | Cast Iron              |                     |
| Impeller <sup>1</sup>            | Cast Iron              | 316 Stainless Steel |
| Shaft Key                        | Key Steel              |                     |
| Bearing Housing                  | Cast Iron              |                     |
| Shaft                            | 431 Stainless Steel    |                     |
| Support Foot                     | Mild Steel             |                     |
| Casing Plug                      | Mild Steel Zinc Plated |                     |
| Impeller Key                     | Key Steel              |                     |
| O-ring Gland                     | Lurene                 | EPDM Viton Nitrile  |
| Gland Flushing Plug <sup>1</sup> | Cast Iron              |                     |
| Mechanical Seal <sup>2</sup>     | Carbon/Ceramic/Nitrile | SiC/SiC/Viton       |
| Flashed Gland                    | Roflon                 |                     |
| Wear Rings                       | Zinc Free Bronze       |                     |

- 316 Stainless Steel, Duplex, Super Duplex, Durimet 20, CD4MCu, marine bronze, Ni-Resist and other exotic materials are available with the ISO PRO pump.
- Optional mechanical seals include single and double cartridge, high temperature, hydro carbon, sea water and other options to suit particular applications.



### PENTAIR SOUTHERN CROSS

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