

SMALL INDUSTRIAL PUMPS



Amarinth S Series pumps are designed for the General Industrial, Condensate and Effluent markets. A range of material options are available to match your application. The S Series pumps feature low NPSH designs and are fully interchangeable with the Girdlestone SSM and SSD ranges.

General description

A range of single stage centrifugal end suction pumps with tangential discharge manufactured in a variety of alloys. All pumps and individual components are fully interchangeable with the equivalent Girdlestone SSD / SSM series units.

Construction

Back pullout design with machined abutments

Design methodology

Advanced computer techniques including 3D modelling & FEA

Design standards

ATEX EC-Directive 94/9/EC

Design pressure rating

10 bar g @ 20°C

Suction pressure rating

7.5 bar g (long coupled)
3.5 bar g (close coupled)

Temperature rating

-5°C to 120°C

Performance envelope

Flowrate

Up to 20m³/h

Differential head

Up to 55m

Speed

Up to 3600 rpm

Configurations

Long coupled pump
Close coupled pump
Bareshaft pump

Frame sizes

025x025x173 to 040x040x127

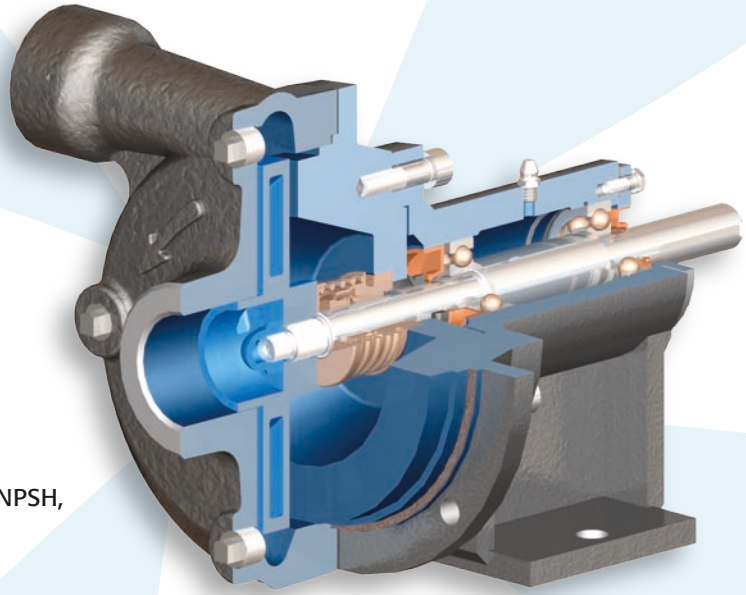
Design life

15 years (2 years uninterrupted operation)

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key features

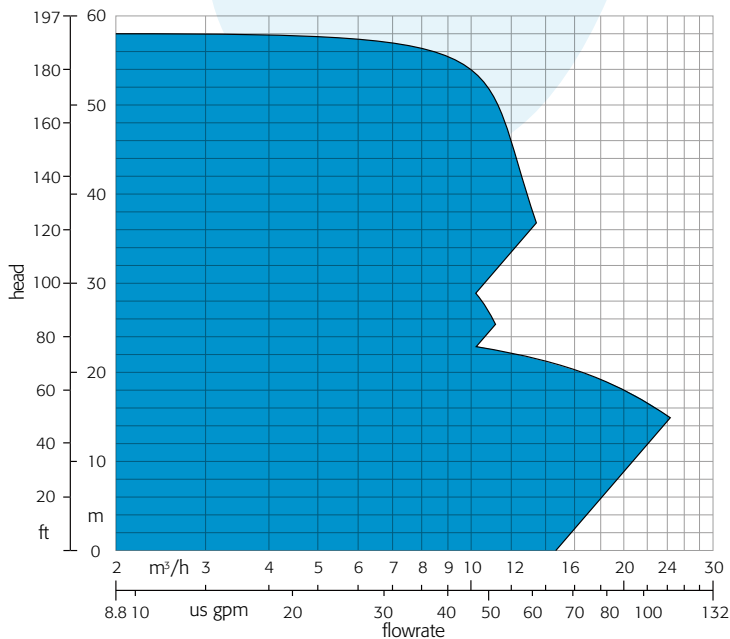
- Cast iron, Stainless steel & Gunmetal material combinations
- All internal components interchange directly with Girdlestone SSM & SSD series pumps
- Long & close coupled models
- Major spare parts available off the shelf
- -5°C to 120°C temperature applications
- Single stage end suction centrifugal pumps with tangential discharge
- 2 years uninterrupted operation
- 7.5 bar pressure rating
- Back pullout design with machined abutments
- Semi open or shrouded impeller
- Tested to BSEN25199 / ISO5199 – Head, Flow, NPSH, Noise & Vibration



materials

Materials	Casing	Impeller
Cast Iron / Cast Iron	BS EN 1561 Gr EN-GJL- 250	BS EN 1561 Gr EN-GJL- 250
Cast Iron / Gunmetal	BS EN 1561 Gr EN-GJL- 250	BS EN 1982 CC492K - GS
Cast Iron / SS 316	BS EN 1561 Gr EN-GJL- 250	ASTM A744 CF-8M
SS 316 / SS 316	BS 3100 316 C12	ASTM A744 CF-8M
Gunmetal / Gunmetal	BS 1400 LG2	BS EN 1982 CC492K - GS

S Series hydraulic coverage



typical applications

- Brewery processing
- Caustic transfer
- Condensate recovery
- Evaporator operation
- Low NPSH capabilities
- Seawater duties
- Water



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