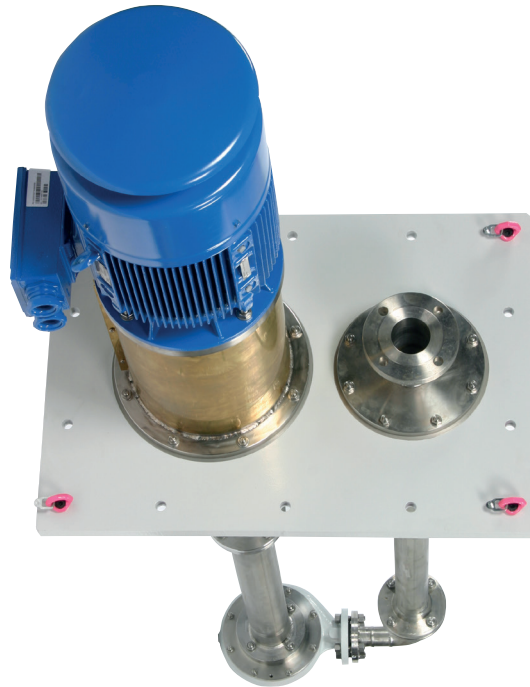


INDUSTRIAL SUMP PUMPS

Amarinth T Series pumps are designed to ISO 5199 specifications for the Chemical and General Industrial markets and are fully ATEX compliant. A full range of material options are available as standard to match your application, including NACE compliant materials. Standard Documentation, Testing and NDT packs are offered. Alternatively bespoke packages can be tailored to fit your exact requirements.

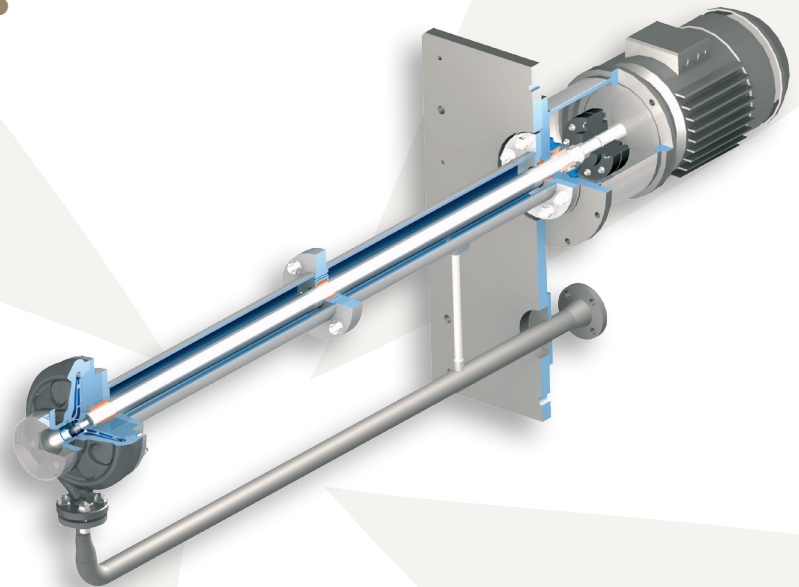


General description	A range of vertical long shaft single stage centrifugal end suction sump pumps manufactured in a variety of alloys. Designed to suit customer requirements with lengths available up to 6m sump depth.
Construction	Heavy duty modular design maximising flexibility to suit customer's application.
Design methodology	Advanced computer techniques including 3D modelling, FEA & CFD
Design standards	ISO 5199 : 2000 ATEX EC-Directive 94/9/EC
Design pressure rating	20 bar g at 20°C (pressure containing parts)
Operating temperature rating	-40°C to 100°C (standard construction)
Design temperature	150°C
Performance envelope	
Flowrate	Up to 500m ³ /h
Differential head	Up to 225m
Speed	Up to 3600 rpm
Configurations	Rectangular plate ANSI mount flange
Frame sizes	040x025x145 to 200x150x410
Design life	30 years (2 years uninterrupted operation)

INDUSTRIAL SUMP PUMPS

key features

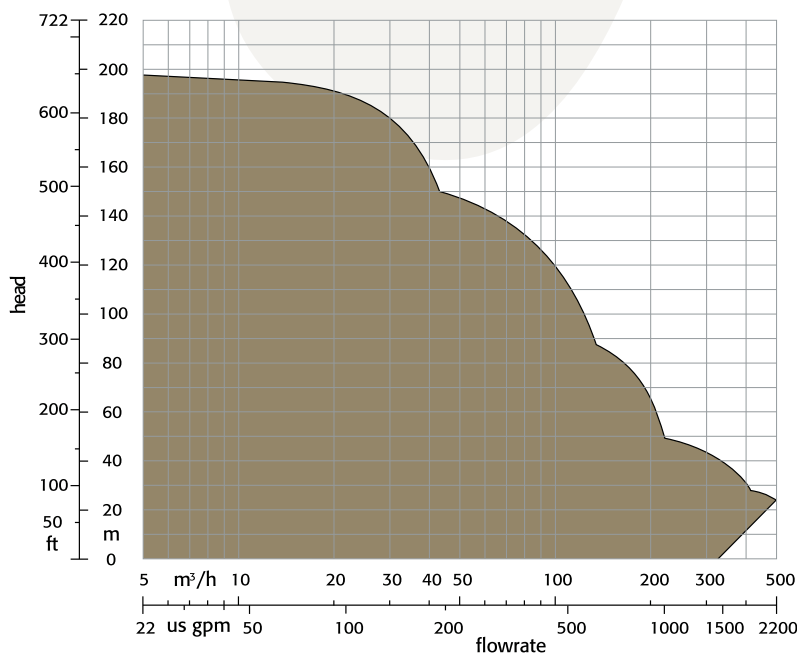
- VS4 vertical long shaft single stage end suction centrifugal pumps
- Pressure containing parts rated to 20 bar
- ATEX compliance, on application
- Shrouded or Semi open impellers
- Lubrication options using product or external flush
- Tested to BSEN25199 / ISO 5199 – Head, Flow, NPSH, Noise & Vibration
- A range of alloys available on request including NACE compliant materials
- -40°C to 100°C temperature applications



materials

Materials	Casing	Impeller
SS 316 / SS 316	ASTM A744 CF 8M	ASTM A744 CF 8M
Cast Iron / Cast Iron	EN 1561 Gr EN GJL 250	EN 1561 Gr EN GJL 250
Cast Iron / SS 316	EN 1561 Gr EN GJL 250	ASTM A744 CF 8M
SG Iron / SS 316	EN 1563 Gr EN GJS 400 18 LT	ASTM A744 CF 8M
Carbon Steel / SS 316	ASTM A216 WCB	ASTM A744 CF 8M
Carbon steel / 12% Cr SS	ASTM A216 WCB	ASTM A217 Gr CA 15
Duplex SS / Duplex SS	ASTM A890 Gr 1B CD 4MCuN	ASTM A890 Gr 1B CD 4MCuN
Super Duplex SS / Super Duplex SS	ASTM A890 Gr 5A (UNS J93404)	ASTM A890 Gr 5A (UNS J93404)
Hastelloy B / Hastelloy B	ASTM A494 Gr N 7M	ASTM A494 Gr N 7M
Hastelloy C / Hastelloy C	ASTM A494 Gr CW 12MW	ASTM A494 Gr CW 12MW
Monel / Monel	ASTM A494 Gr M35 1	ASTM A494 Gr M35 1
Titanium / Titanium	ASTM B367 Gr C2	ASTM B367 Gr C2
Customer specified	Other alloys available on request including NACE compliant materials	Other alloys available on request including NACE compliant materials

T Series hydraulic coverage



typical applications

- Biocide / rain
- Condensate return
- Flare knock out drum
- MEG 75% with H₂O
- Oily water separator
- Sour water sump
- Storm water
- Utilities
- Wash down sumps



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Certificate Number 3720
ISO 9001, ISO 14001,
OHSAS 18001