

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.

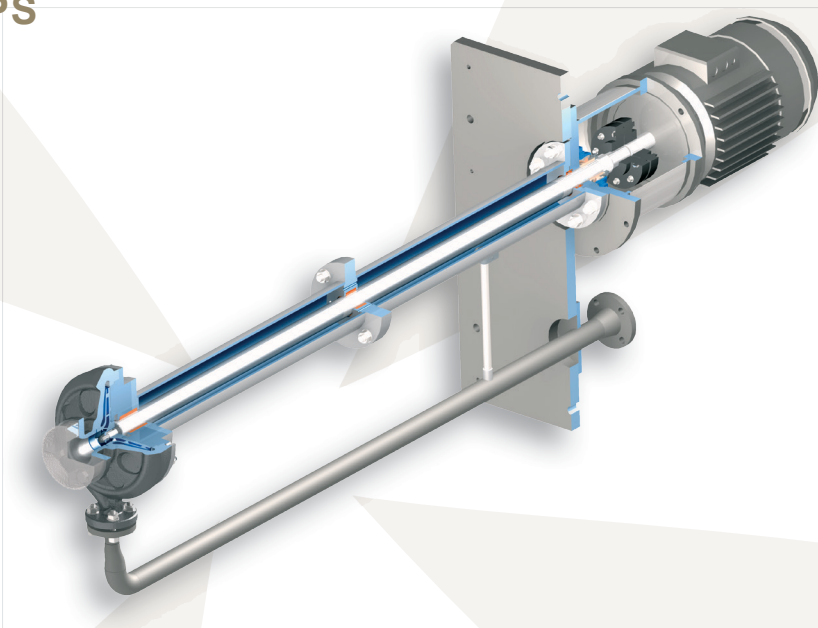


General description	A range of vertical long shaft single stage centrifugal end suction sump pumps manufactured in a variety of alloys. Designed to suit customer requirements with lengths available up to 6m sump depth.
Construction	Heavy duty modular design maximising flexibility to suit customer's application.
Design methodology	Advanced computer techniques including 3D modelling, FEA & CFD
Design standards	ISO 5199:2002 ATEX EC-Directive 2014/34/EU
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

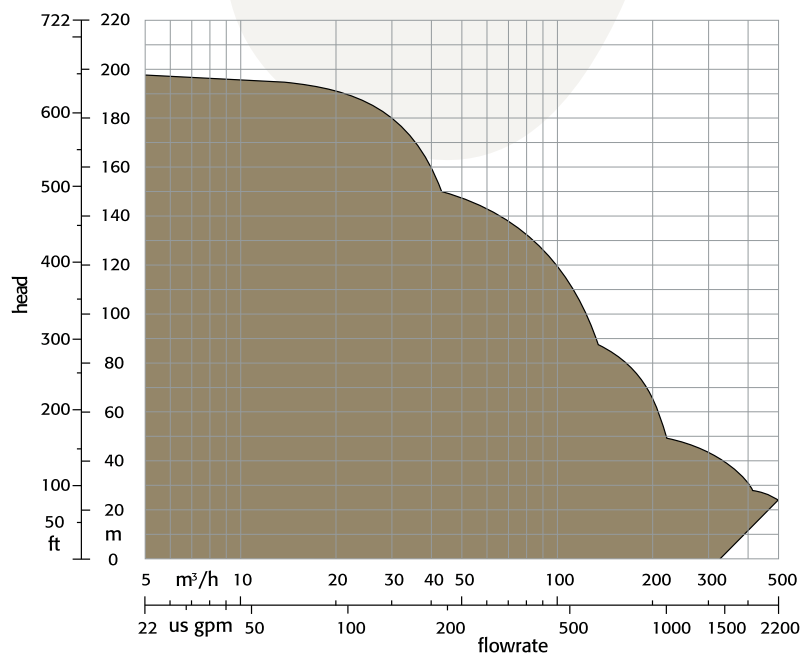
- VS4 vertical long shaft single stage end suction centrifugal pumps
- Pressure containing parts rated to 20 bar
- ATEX compliance, on application
- Shrouded or Semi open impellers
- Lubrication options using product or external flush
- Tested to BSEN25199/ ISO 5199 – Head, Flow, NPSH, Noise & Vibration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



materials

Materials	Casing	Impeller
SS316 / SS316	ASTM A744 CF8M	ASTM A744 CF8M
Cast Iron / Cast Iron	EN 1561 Gr EN GJL250	EN 1561 Gr EN GJL250
Cast Iron / SS316	EN 1561 Gr EN GJL250	ASTM A744 CF8M
SGIron / SS316	EN 1563 Gr EN GJS400 18 LT	ASTM A744 CF8M
Carbon Steel / SS316	ASTM A216 WCB	ASTM A744 CF8M
Carbon steel / 12% Cr SS	ASTM A216 WCB	ASTM A217 Gr CA 15
Duplex SS/ Duplex SS	ASTMA890 Gr 1B CD 4MCuN	ASTMA890 Gr 1B CD 4MCuN
Super Duplex SS/ Super Duplex SS	ASTMA890 Gr 5A (UNS J93404)	ASTMA890 Gr 5A (UNS J93404)
Hastelloy B / Hastelloy B	ASTMA494 Gr N 7M	ASTMA494 Gr N 7M
Hastelloy C/ Hastelloy C	ASTMA494 Gr CW 12MW	ASTMA494 Gr CW 12MW
Monel / Monel	ASTMA494 Gr M35 1	ASTMA494 Gr M35 1
Titanium / Titanium	ASTMB367 Gr C2	ASTMB367 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



Amarinth

Bentwaters Parks, Rendlesham, Woodbridge,
Suffolk IP12 2TW, United Kingdom
tel: +44 (0)1394 462 120
fax: +44 (0)1394 462 130
e-mail: enquiries@amarinth.com
web: www.amarinth.com



Certificate Number 3720
ISO 9001, ISO 14001,
OHSAS 18001