

# NEW



## - Zone 0 Pump



### Egger vertical enclosed shaft driven sump pumps certified for explosion proof areas classified as zone zero

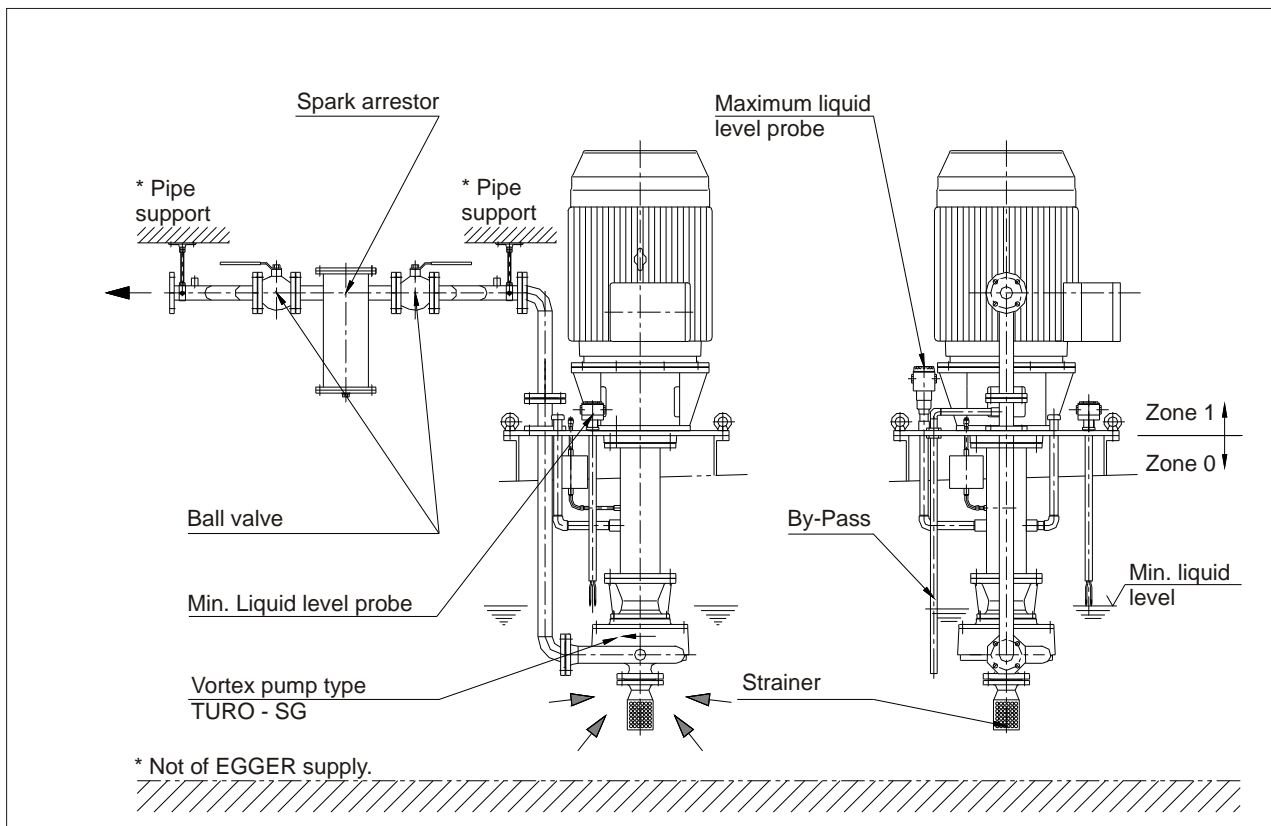
Egger has recently received approval from the German PTB Physikalisch - Technische Bundesanstalt for its range of Ex Zone 0 vertical enclosed shaft driven sump pumps.

This special construction utilises the same hydraulic designs of the Turo pump and the basic mechanical designs of the standard vertical enclosed shaft driven pumps known as the SG design, this concept provides shorter construction times and greater Interchangeability of parts.

With the PTB certification Egger can now supply vertical shaft driven solids handling pumps up to 10 m long for all sump and tank mounting applications in hazardous areas requiring flame proof certified equipment.

Applications in chemical, petrochemical, gas production and fuel storage industries are just a few of the industries where this range of pumps are employed.

### Pump arrangement drawing



Flame proof certificate Ex-Zone 0 for Turo pump's type SG design fully conforming with ATEX 100 and as detailed in 94/9/EG of the PTB requirements for T3 temperature classification.

The pump is approved for operating in flammable liquids groups AI, AII, AIII & B and gas groups IIA temperature class T1 to T3. The flame proof designation being **Ex II 1 / 2 G II A T3**

The Flame-Proof pump is suitable for applications containing solids up to 13 mm dia (larger solids are not possible due to the maximum solids handling capability of the spark Arrester).

With this design, various makes of flange mounted flame proof motors can be fitted.

The Egger Zone Zero pump offers the end user the same benefits that the standard SG pump provides with the addition of being fully flame proofed conforming to stringent hazardous atmosphere requirements.

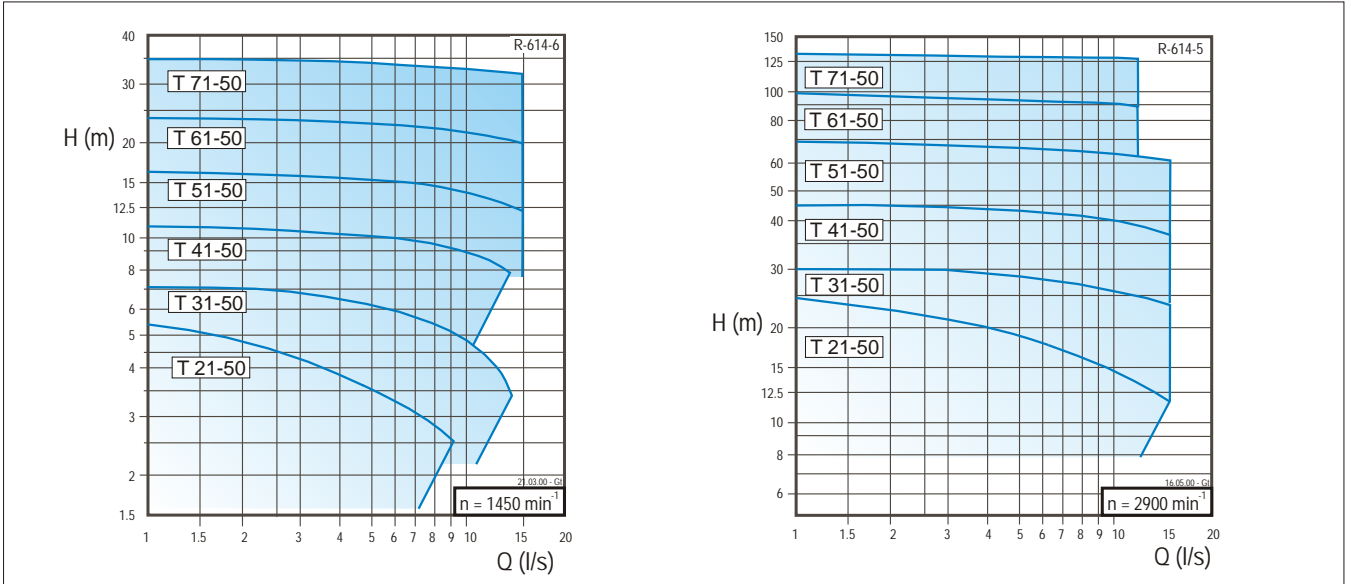
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### Performance curves 50 Hz (60 Hz available on request)



### Data

Discharge size:	DN 50
Flow:	up to $60 \text{ m}^3/\text{h}$
Head:	up to 130 m
Liquid temp.:	up to $150 \text{ }^\circ\text{C}$
Power:	up to 47 kW

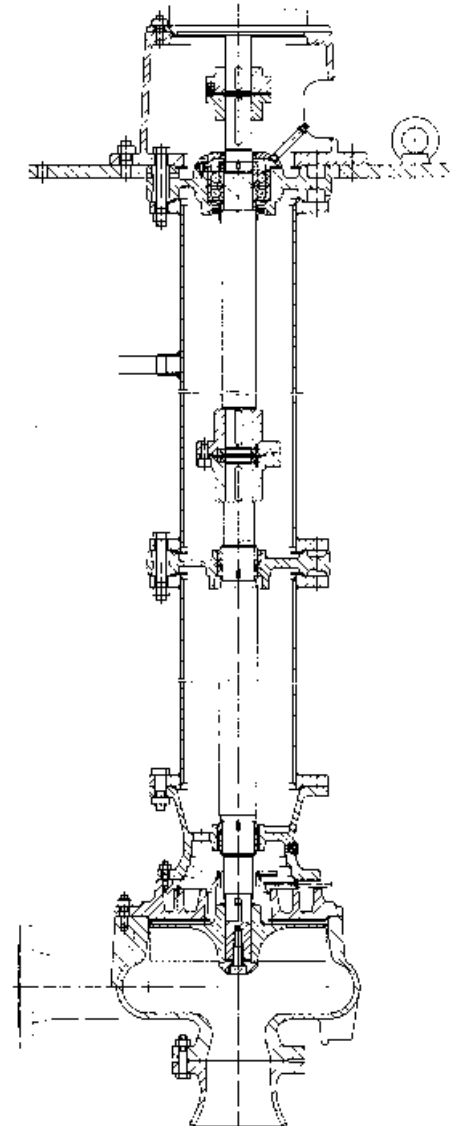
### Pump length

Dependant upon speed and pump size. Lengths in general are available up to 10 m.

The EGGER TURO Ex-Zone 0 pumps are available in the following materials:

Hydraulic parts: cast iron GG 25, stainless steel 1.4408, hard iron HG 15.3

**The pumps are also available in GGG 40, 1.4301, 1.4517, 1.4529, Monell 400, Hastelloy C 2000, Titanium etc. Other materials on request.**



SG pump employed in basic designed Zone 0 pump