



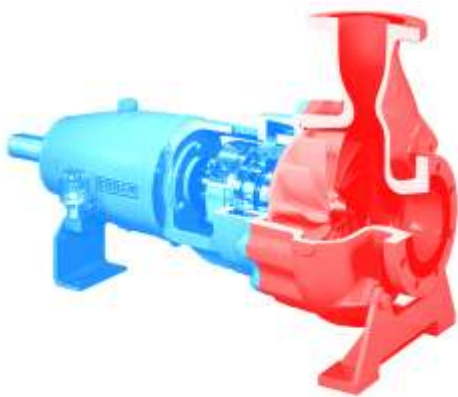
# Production Programme





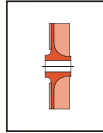
# Solids Handling

## Modular Design



### Series T

#### TURO-Vortex pumps with completely free spherical passage



Discharge: DN 32 - 200 mm  
Capacity: up to 120 l/s  
Head: up to 130 m

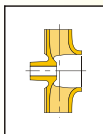
#### Application:

Handling of raw municipal and industrial effluent. Slurries of all types. Fibres in suspension at any concentration. Chemicals and crystal suspensions. Corrosive and abrasive liquids. General solids handling.



### Series D

#### Three channel impeller pumps



Discharge: DN 150 - 500 mm  
Capacity: up to 1500 l/s  
Head: up to 90 m

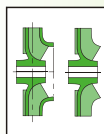
#### Application:

Handling of pre-screened sewage, sludge and liquids containing fibrous material of non-spinning nature. Chemical waste water. Suspensions, etc.



### Series E / EO / EOS / EOA

#### EGGER centrifugal pumps with shrouded or semi-open impellers



Discharge: DN 50 - 500 mm  
Capacity: up to 1300 l/s  
Head: up to 140 m

#### Application:

- E: Shrouded impellers for clean and dirty liquids containing fine suspended solids.
- EO / EOS: Semi-open impellers for heavier homogeneous slurries, short fibrous suspensions and various aerated sludges.
- EOA: Semi-open 2-vane impellers for homogeneous slurries containing solids and fibres. Large free passage with high efficiency. Specially designed for the waste water industry.

### Description of designs

HF = horizontal close-coupled pump. Impeller directly fitted to motor stubshaft. IEC standard flange-/foot motor. Can only be fitted with mechanical seals acc. DIN 24960.

H = horizontal pump with bearing housing. Pump either with standard packing acc. DIN 3780 or mechanical seals acc. DIN 24960.

VK = pump details identical to H, however motor for safety reasons mounted on higher level. Pump/motor drive by means of cardan shaft.

VF = vertical arrangement. Identical to HF.

V = vertical dry-pit pump with bearing housing. Flange motor fitted on motor support with flexible coupling. Pump either with standard packing (DIN 3780) or mechanical seals (DIN 24960)

S = vertical wet-pit design (pump). Motor dry mounted, shaft, bearings and intermediate couplings enclosed in intermediats pipe.

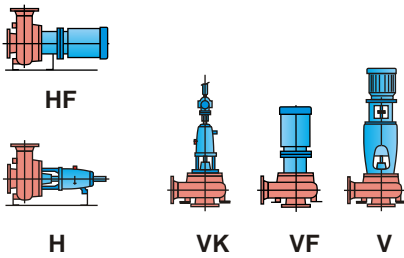
# Pump Programme



## Summary of Designs

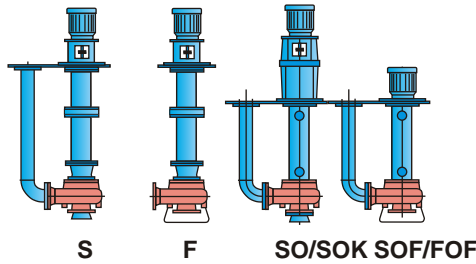
### Dry-pit design

Horizontal pumps      Vertical pumps



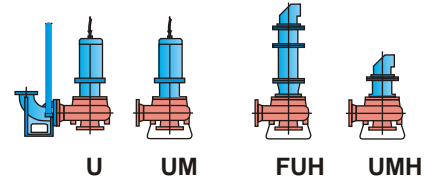
### Wet-pit design

Vertical shaft pumps      Cantilever pumps



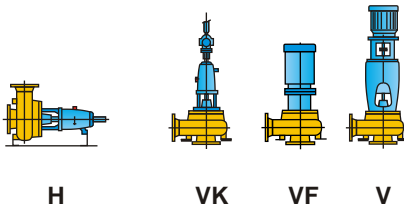
### Wet-pit design

Submersible pumps  
(electric)                      (hydraulic)



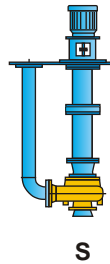
### Dry-pit design

Horizontal pumps      Vertical pumps



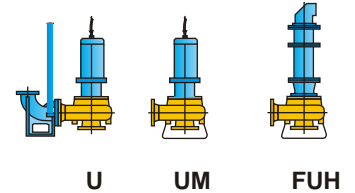
### Wet-pit design

Vertical shaft pumps



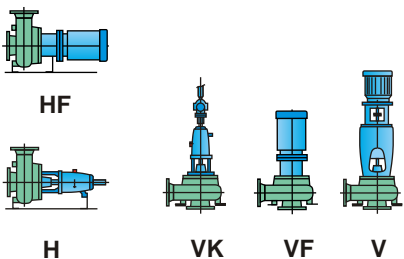
### Wet-pit design

Submersible pumps  
(electric)                      (hydraulic)



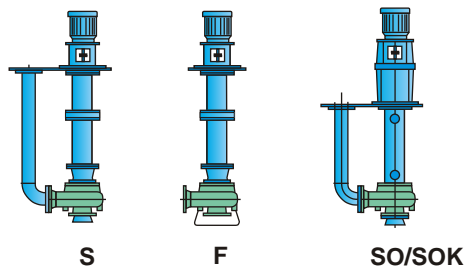
### Dry-pit design

Horizontal pumps      Vertical pumps



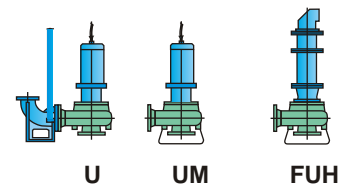
### Wet-pit design

Vertical shaft pumps      Cantilever pumps



### Wet-pit design

Submersible pumps  
(electric)                      (hydraulic)



R-1042 gb 26.04.2000 /Gt

F = identical to S. Without pit-cover, with pedestral.

SO/SOK = vertical cantilever type pump design. No bearings, bushes, or shaft seal in pumping liquid.

SOF/FOF = Cantilever pump details identical to SO but close-coupled pump.

U = submersible stationary pump with duckfoot-bend and pipe coupling.

UM = submersible mobile pump.

FUH = pump details similar to F. Driver submersible hydraulic motor.

UMH = identical to UM but with hydraulic motor instead of electric motor.

- Common mechanical parts for all three pump series.**
- For each pump size the pump hydraulic end (casing, impeller and casing cover) is identical in all pump designs.**
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# Further products of the EGGER-Programme

## Iris Diaphragm Control Valve



For accurate and economical flow control of charged liquids, granulated material, powders or gaseous media.

This is the ideal control valve with performances curves as per DIN EN 60535.

Flanges as per DIN 2501  
DN 25 - 150 : PN 10 / PN 16  
DN 200 - 600 : PN 10  
Max. service pressure up to 6 bar  
Max. differential pressure  
DN 25 - 250 up to 6 bar  
Max. service temp. = 140°C  
Materials: CI/Bz, Bz/Bz, 1.4408



**IRIS diaphragm control valve with integrated air/gas flow measuring system ABB Sensyflow.**

The feature of the Iris valve regulation is the central unobstructed flow. Therefore, the air/gas flow measuring system can be placed directly at the entry of the valve.

The principle of measurement is based on the air/gas mass, which makes the system independent of the pressure and temperature of the air/gas.



## Elbow Propeller Pump



Discharge: DN 250 - 1100  
Capacity: up to 5 m<sup>3</sup>/s  
Head: up to 6 m

In special materials such as stainless steel 1.4435/4408, nickel 200 or monel 400.



**EGGER**

Subject to modifications