

# FLUX Centrifugal Immersion Pump F 620 S in stainless steel

Size 15 and 30

## Typical Applications

Transferring low flammability liquids up to a viscosity of 2 500 mPas (cP) from containers or tanks, either open topped or closed.  
Suitable for stationary or portable applications.

## Construction features

Centrifugal pump in stainless steel consisting of an inner tube and outer tube.

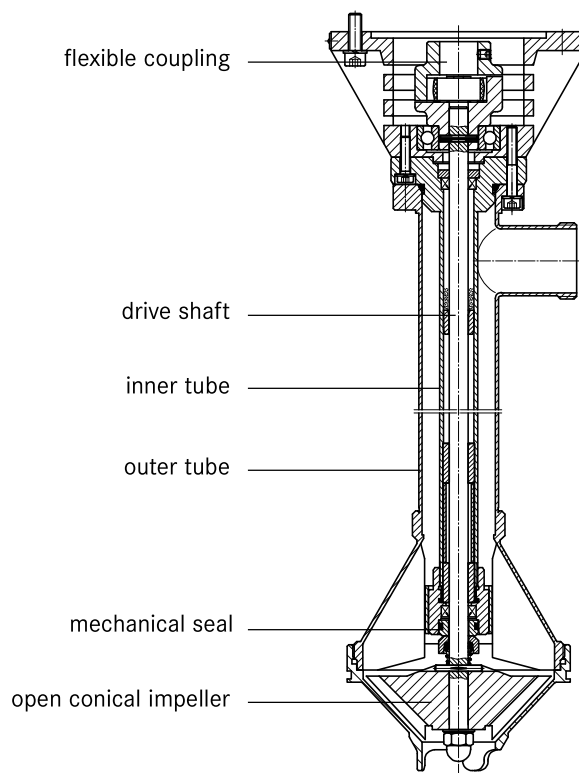
The centrifugal impeller in the pump housing is driven by the motor via the drive shaft. The drive shaft is supported by intermediate bearings within the inner tube, a mechanical seal separates the liquid from the bearings and upper shaft. This construction provides the ultimate in stability, and ensures the maximum integrity of the mechanical seal. With an open conical impeller.

Three-phase motors in differing kW-ratings are available as a matched power unit. Connection to the pump is made via a flexible coupling.



F 620 S-30  
with suction  
strainer

## Construction features in detail



### Centrifugal Immersion Pump F 620 S in stainless steel,

thread on outlet G 1½ A, without drive motor

Type/Size	F 620 S-15	F 620 S-30
Delivery rate Q max.	19 m <sup>3</sup> /h	23 m <sup>3</sup> /h
Delivery head H max.	10 mwc	12 mwc
Viscosity max.	2 500 mPas	2 500 mPas
Temperature max.	100 °C	100 °C
Seal type	mechanical seal in ceramic oxide, o-rings in FKM	
Material	shaft in stainless steel 316 Ti, seal in FKM	
Impeller	conical impeller in polypropylene (version in stainless steel on request)	
Pump housing	Ø 140 mm	Ø 140 mm
Part No.		
Immersion length Dimension e 700 mm	10-620 23 001	10-621 23 001
Immersion length Dimension e 1 000 mm	10-620 23 002	10-621 23 002
Immersion length Dimension e 1 500 mm	10-620 23 003	10-621 23 003

Part numbers for immersion length 300 to 3 000 mm (in steps of 100 mm) on request.

Accessories	Part No.
Mounting flange in stainless steel 316 Ti outside Ø 265 mm, pitch circle Ø 225 mm, 8 bores Ø 18 mm each	10-947 14 005
Suction strainer in stainless steel 316 Ti	10-001 10 232
Hose connection in stainless steel, complete with nut in brass G 1½	
for hose inside diameter DN 25	10-959 04 002
for hose inside diameter DN 32	10-959 04 003
for hose inside diameter DN 38	10-959 04 004

### Scope of supply

A complete vertical centrifugal immersion pump consists of: drive motor, pump and necessary accessories.

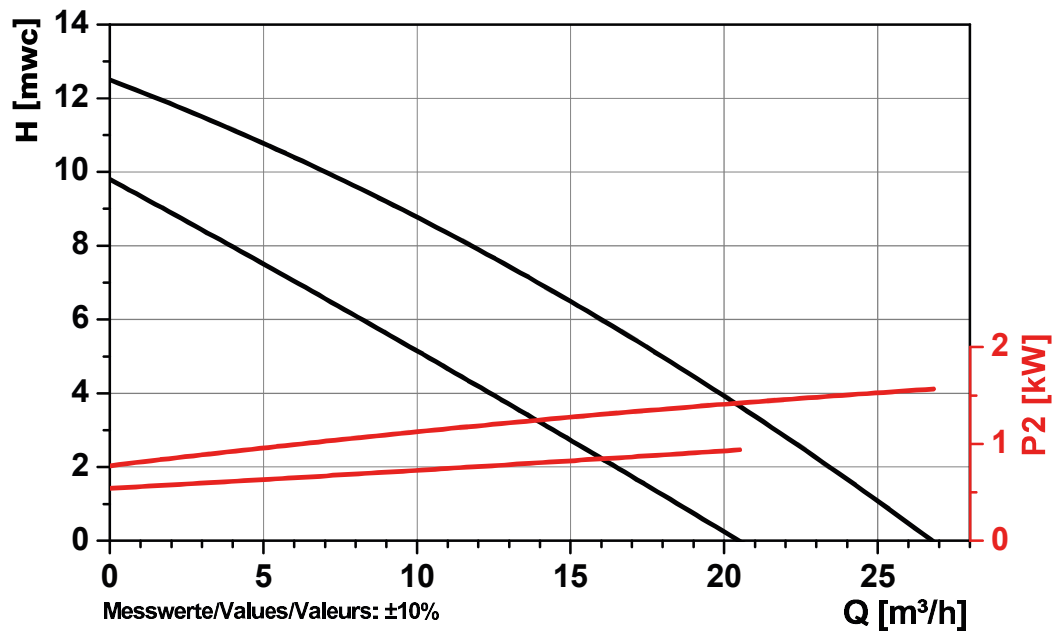
Weight per pump: 15 – 45 kg depending on the pump size, immersion length and motor kW.

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## Technical data

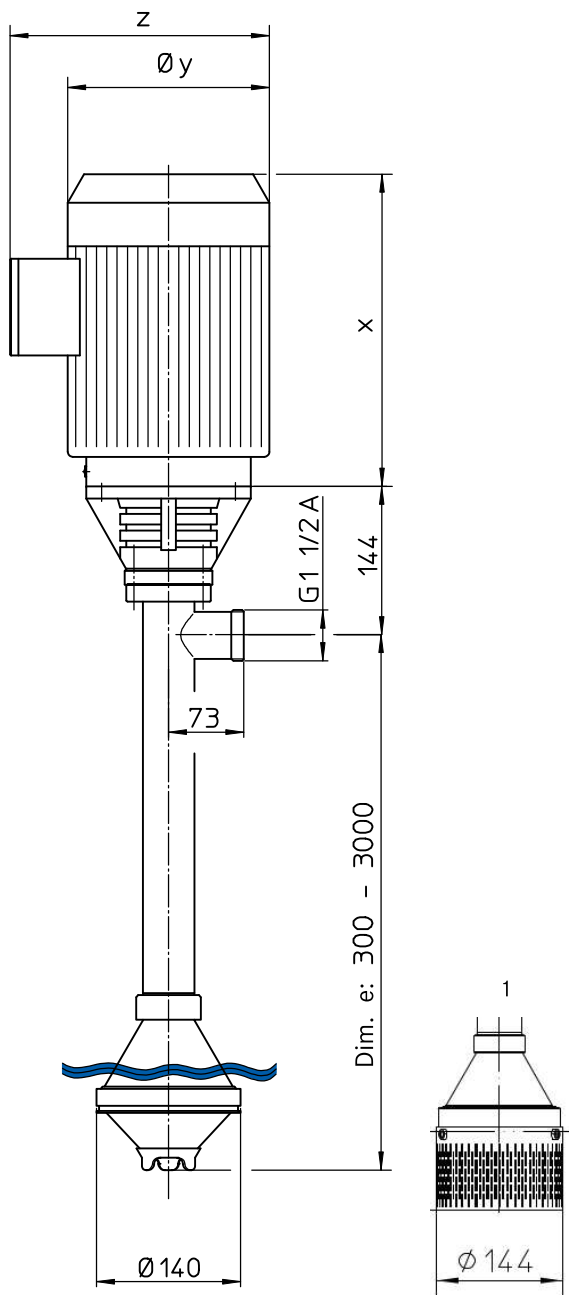
Performance chart FLUX F 620 S-15 and F 620 S-30




Measured values  $\pm 10\%$  determined with water (20 °C). Nominal speed  $n = 2\,850$  rpm

In determining the absorbed kW of the motor, multiply the absorbed kW shown in the above diagram with the specific gravity of the liquid to be pumped.

**Technical data**  
**Dimensions [mm] F 620 S-15 and F 620 S-30**



 Minimum liquid level when starting the pump. Also valid for variant 1.

Variant 1  
 with suction strainer dimension  $e + 28$  mm

Basic model  
 dimension  $e$  max. 3 000 mm