# for wastewater with or without sewage



### Ecolift XL for installation depth up to 5 m / for free standing installation **Products** Illustration and dimensioned drawing Article description Voltage **Pump SPF** Article # **Engineering system base** Mono versions NEW with welded chamber ring 230 V 1400-S3 8741006 Backwater Lifting Station Ecolift XL Mono / Duo 400 V 1500-S3 8741007 for wastewater with or without sewage 400 V 3000-S3 8741008 For free standing installation, outdoor underground 400 V 4500-S3 8741009 installation, or installation in a concrete floor in 230 V 1400-S3 8741010 combination with an engineering system chamber 400 V 1500-S3 8741011 Inlet / outlet Ø 160 mm 400 V 3000-S3 8741012 ☐ **Mono version** with one SPF pump 400 V 4500-S3 8741013 and Comfort Plus control unit **11** with one motor-driven backwater flap **Duo versions** for wastewater without sewage 230 V 1400-S1 8741026 2 with two motor-driven backwater flaps 400 V 1500-S1 8741027 for wastewater with sewage 400 V 3000-S1 8741028 ☐ **Duo version** with two SPF pumps 400 V 4500-S1 8741029 and Comfort Plus control unit 230 V 1400-S1 8741034 3 with one motor-driven backwater flap 400 V 1500-S1 8741035 for wastewater without sewage 400 V 3000-S1 8741036 4 with two motor-driven backwater flaps 400 V 4500-S1 8741037 for wastewater with sewage The pressure pipe must be connected to a welded PE pipe; in the case of pump SPF 4500 this must be additional enclosed in a pressure relief chamber Certification: Z-53.2-493

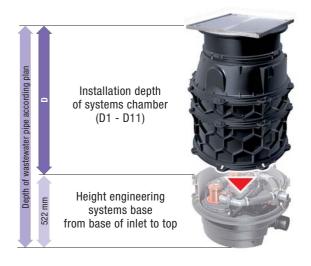


SmartSelect simply makes planning easier - calculation tool for lifting stations at smartselect.kessel.com

## Free standing installation

### **Underground installation**





To be ordered separately: System chamber

- ☐ for underground installation (article see page 70-71)
- ☐ for installation in a concrete slab (article see page 71)

Total installation depth = 522 + D

In compliance with EN 13598 Part 2 Certification: Z-42.1-527

# for wastewater with or without sewage



Pneumatic level sensing and alarm sensor offer twice the reliability Integrated closure valve with safety lock

to prevent accidental closure

no tools required

Backwater flap closure system available with up to two motorized backwater flaps

for maximum backwater protection. Quick-release pressure outlet connection,

Professional advantages

### Ecolift XL for installation depth up to 5 m



- 1 Hybrid lifting station
- ② Engineering chamber
- ③ Pressure pipe
- 4 Pressure relief chamber

The hybrid lifting station *Ecolift XL* is suitable for underground installation and has been integrated into a newly designed, standard-conform polymer chamber for this application case. The wastewater collected is routed through the Ecolift XL and only pumped via the pressure pipe in the event of backwater. Where hybrid lifting stations with SPF 4500 pump are used we recommend routing the pressure pipe through a pressure relief chamber.

### **Ecolift XL** for free standing installation



1 Grease separator

Pump type:

- 2 Hybrid lifting station
- ③ Pressure pipe

The hybrid lifting station *Ecolift XL* is suitable for applications where significant wastewater occurs. This is the case where grease separators are in use, for example, with large quantities of wastewater usually being pumped out of the kitchen via classic double lifting stations into the sewer. The new hybrid lifting station *Ecolift XL* for free-standing installation, on the other hand, uses natural gradient in normal operation and only pumps the wastewater into the sewer when backwater has occurred.



Scan this QR code to directly view the corresponding product video.

You Tube

- $\square$  **SPF 1400-S3** 50 % power on duration ☐ SPF 1400-S1 continuous duty
- (e.g. rainwater) Pumping capacity: max. 25 m<sup>3</sup>/h
- Pumping height: max. 7 m ☐ **SPF 1500-S3** 50 % power on duration
- ☐ SPF 1500-S1 continuous duty

Pumping capacity: max. 25 m<sup>3</sup>/h max. 6.5 m Pumping height:

(e.g. rainwater)

- ☐ **SPF 3000-S3** 50 % power on duration
- ☐ SPF 3000-S1 continuous duty (e.g. rainwater)

Pumping capacity: max. 36 m<sup>3</sup>/h Pumping height: max. 12 m

- ☐ **SPF 4500-S3** 50 % power on duration
- ☐ SPF 4500-S1 continuous duty (e.g. rainwater)

Pumping capacity: max. 41 m<sup>3</sup>/h Pumping height: max. 17 m

