

# Condensate pump for gas condensing boilers up to 400 kW



Lift series, K1 product group



## TECHNICAL DATA

Electrical connection: 230 V, 50/60 Hz  
 Input power: 65 W  
 Alarm contact: max. 230 V, 8 A (resistive load),  
 NO normally open/NC normally closed  
 Protection class: IP 55  
 Medium: condensate pH  $\geq 3$ , temperature 70 °C max  
 Rate of flow: max. 350 l/h  
 Pressure head: max. 4 m  
 Noise level: max. 29 dB [A]  
 Dimensions: 185 x 85 x 100 mm (L x W x H)  
 Condensate supply:  $\varnothing$  24 mm  
 Condensate suction head: 83 mm  
 Tank: ABS plastic, max. 0.5 l/0.13 Gal  
 Condensation drain: nozzles for hose connection  $\varnothing$  8 x 2 mm  
 Discharge hose: included in the scope of delivery  
 Weight: 1.5 kg

## PRODUCT FEATURES

- fully automatic condensate pump delivered completely ready for connection
- extremely quiet and vibration free
- very compact and space-saving construction
- fully encapsulated pump unit (IP 55) resistant to water jets from any direction
- pump unit also suitable for use in external tank (tank height min. 62 mm, max. 70 mm)
- integrated check valve for discharge hose
- condensation discharge hose (6 m,  $\varnothing$  8 x 2 mm) included in delivery
- pre-mounted power cable (1.6 m) incl. shockproof plug
- overflow protection through separate float
- potential-free alarm connection (NO normally open/NC normally closed)
- pre-mounted alarm cable (0.9 m) incl. wall mounting

## USE

The Lift condensate pump is a fully automatic unit for the extraction of condensate, produced in gas/oil condensing boilers, air-conditioning systems, refrigerated counters and dehumidifiers incl. collection tank. It can be used anywhere where a condensate disposal through gravity is not possible or where there is no direct drain. The Lift condensate pump is designed for gas condensing boilers up to 400 kW.

The housing is made from ABS plastic and is therefore resistant to acidic condensate (pH  $\geq 3$ ). For very acidic condensate (pH < 3), for the use of low-sulfur heating oil and for installations/systems with over 200 kW, it is compulsory according to ATV-DVWK-A 251 in Germany to install a neutralisation system (see condensate pump Lift NT25 resp. additional neutralisation tank NT50). Complementary municipal or other national regulations must be observed where necessary.

For the use in oil condensing boilers we recommend the additional use of an extension kit with activated carbon (see accessories for condensate pumps).

## MAIN AREAS OF USE

- gas condensing boilers
  - oil condensing boilers
  - air-conditioning systems
  - refrigerators, refrigerated cabinets, refrigerated counters\*
  - dehumidifiers, evaporators
- \*) not suitable for splash water

## FLOW MEDIA

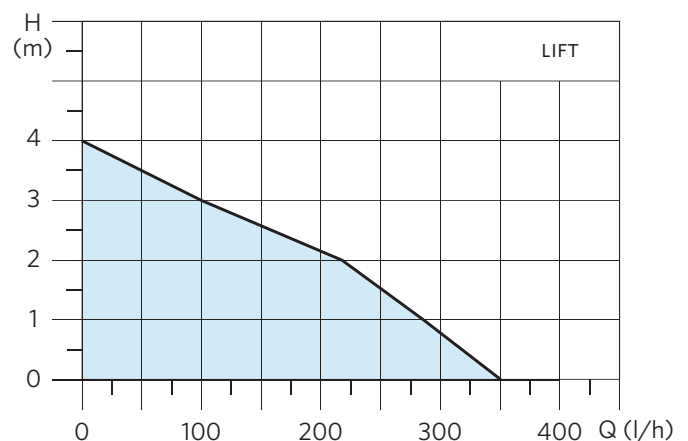
- condensates with a pH  $\geq 3$  and a 70 °C max temperature.
- condensates with a pH over 3 have to be neutralized.
- condensates with oil residues from oil condensing boilers must be cleaned with activated carbon (extension kit) if necessary.

## TEMPERATURE RANGE

Ambient temperature: +5 °C to +45 °C  
 Media temperature: +2 °C to +70 °C

## SWITCHING POINTS

Alarm max. 55 mm  
 Start 52 +/- 1 mm  
 Stop 24 +/- 1 mm



## DELIVERY PROGRAM

| TYPE | MAX PRESSURE HEAD | MAX RATE OF FLOW | FOR CONDENSING BOILERS UP TO | REMARKS   | PRODUCT NO.    |
|------|-------------------|------------------|------------------------------|---|----------------|
| LIFT | 4 M               | 350 L/H          | 400 KW                       | INCL. PRESSURE HOSE (6 M, $\varnothing$ 8 x 2 MM) | 0341-00400-072 |



IN CASE OF QUESTIONS OR FOR ORDERS,  
PLEASE CONTACT US AT

[GERMANY@ARMSTRONGFLUIDTECHNOLOGY.COM](mailto:GERMANY@ARMSTRONGFLUIDTECHNOLOGY.COM)

FOR MORE INFORMATION, PLEASE GO TO

[WWW.HALM-PUMPS.DE](http://WWW.HALM-PUMPS.DE)

**TORONTO, CANADA**

+1 416 755 2291

**BUFFALO, USA**

+1 716 693 8813

**SÃO PAULO, BRAZIL**

+55 (11) 4781 5500

**BIRMINGHAM, UK**

+44 (0) 8444 145 145

**MANCHESTER, UK**

+44 (0) 8444 145 145

**LYON, FRANCE**

+33 (0) 420 102 625

**MANNHEIM, GERMANY**

+49 (0) 621 3999 9858

**DUBAI, UAE**

+971 4 8876775

**BANGALORE, INDIA**

+91 (0) 80 4906 3555

**SHANGHAI, CHINA**

+86 (0) 21 3756 6696

**ARMSTRONG FLUID TECHNOLOGY**  
ESTABLISHED 1934

[ARMSTRONGFLUIDTECHNOLOGY.COM](http://ARMSTRONGFLUIDTECHNOLOGY.COM)

**MAKING  
ENERGY  
MAKE  
SENSE™**

FILE NO.: 11.272DE-EN  
DATE: NOV. 23, 2018

SUPERSEDES: NEW  
DATE: NEW