

# PRODUCT - OVERVIEW

**Topic:** pneumatic Diaphragm Pump  
**Product:** **KS20850** Part-No.: 20850 000000-x (Alu)  
Part-No.: 20850 000005-x (SS)  
Part-No.: 20850 00000A-x (PP)

KS20850\_PÜ\_E

Stand: 08/2019

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KOPPERSCHMID

## Kopperschmidt Diaphragm Pump KS20850

### Technical Data



Gear ratio:	1:1
Transfer max. Alu+SS:	33 l/min
Transfer max. PP:	38 l/min
Material pressure max. Alu+SS:	8 bar
Material pressure max. PP:	6 bar
Volume per cycle (double stroke):	170 ccm
Weight KS20850 Alu:	7,50 kg
Weight KS20850 SS:	12,30 kg
Weight KS20805 PP:	7,00 kg
Suction height (pump empty):	2,5 mWS
Suction height (pump filled):	6,5 mWS
Air pressure min.:	0,8 to 1,5 bar
Air pressure max.:	8 bar
Air pressure max.:	6 bar
Ambient temperature min.:	+ 5 °C
Ambient temperature max.:	+40 °C
Medium temperature min.:	+10 °C
Medium temperature max. Alu+SS:	+70 °C
Medium temperature max. PP:	+40 °C
Frequency max. (short time):	220 DS/min.
Frequency max. (permanent):	140 DS/min.
Sound pressure level*:	82 dB(A)
Air connection:	G1/4"
Material outlet Alu+SS:	G3/8"
Material outlet PP:	G1/2"
Material inlet:	M26x1,5mm (-M)
or optional:	G3/4" (-Z)

\*measured at 1m from unit

The pneumatically operated double diaphragm pump KS20850 was designed for material transfer and spraying applications.

1. Aluminum with ATEX
- 1a. Aluminum eloxed with ATEX
2. Stainless Steel with ATEX
3. Polypropylen no ATEX

The PTFE coated composite diaphragm offers many advantages:

- **Minimum pulsation to ensure an even material flow for material transfer and spraying**
- **Versatile in applications due to PTFE coated diaphragm**
- **Stainless steel housing for use with water based materials**
- **Easy start up due to self-priming system**
- **Maintenance-free device, no lubrication necessary**
- **High volume transfer up to 38 l/min. for fast material transfer**
- **Integrated safety valve according to safety regulations**

All these advantages together with a wide variety of accessories like different suction systems and mounting possibilities make KS20850 a universal tool for material pressures up to 8 bar and transfer volumes up to 38 l/min.

Wall or lid mounting is also possible as a mobile version with various suction systems like suction pipe, suction hose or hopper.