

PRODUCT - OVERVIEW

Topic: Pneumatic Diaphragm Pump
Product: KS20853 Part-No.: 20853 000005-x (SS)

KS20853_PÜ_E

Stand: 07/2025

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Quality Products

MADE IN GERMANY

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K SPRITZTECHNIK **T**
KOPPERSCHMIDT

Kopperschmidt 3:1 Diaphragm Pump KS20853

Technical Data



Gear ratio:	3:1
Transfer max.:	3,0 l/min
Working pressure max.:	21 bar
Air inlet pressure max.:	7 bar
Volume per cycle (double stroke):	150 ccm
Weight:	23 kg
Suction height (pump empty):	1,5 mWS
Suction height (pump filled):	6,5 mWS
Air inlet pressure min.:	0,8 to 1,5 bar
Ambient temperature min.:	+ 5 °C
Ambient temperature max.:	+ 40 °C
Medium temperature min.:	+ 10 °C
Medium temperature max.:	+ 70 °C
Stroke frequency max. (short time):	20 DS/min.
Stroke frequency max. (permanent):	10 DS/min.
Sound pressure level*:	82 dB(A)
Air connection:	G1/4"
Material outlet:	G3/8"
Material inlet:	M26 x 1,5mm (-M)
or optional:	G3/4" (-Z)
Material contact parts:	Stainless Steel

**measured at 1m from unit*

The pneumatically operated double diaphragm pump KS20853 was designed for material transfer and spraying applications.

KS20853 Stainless Steel Part-No.: 20853 000005-x with ATEX

The KS20853 is a ruggedly constructed double diaphragm pump. The PTFE coated composite diaphragm offers many advantages:

- **Minimum Pulsation to ensure an even material flow for material transfer and spraying**
- **Offers a wide field of applications due to PTFE coated diaphragm**
- **Stainless steel or housing for use with water based materials**
- **Easy start up due to self-priming system**
- **Maintenance-free device, no lubrication necessary**
- **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 KS20853 a universal tool for material pressures up to 21 bar and transfer volumes up to 3,0 l/min.

Following accessories are available for KS20853: Wall or lid mounting is also possible as a mobile version on pump cart with various suction systems like suction pipe rigid, flexible or with upper container available.