PRODUCT - DATA SHEET

Topic: Double diaphragm pumps 1“, gear ratio 3:1 / 4:1
Product: KS13175 / KS14175
Part-No.: 13175 000000 / Part-No.: 14175 000000

KS13175-KS14175_PÜ_E Stand: 06/2025 Changes are possible without notice

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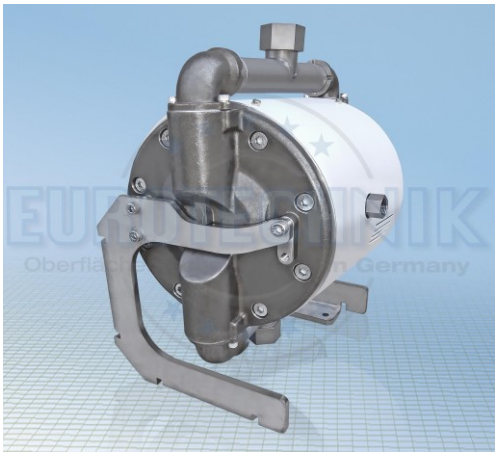
KOPPERSCHMID SPRITZTECHNIK

The Kopperschmidt double diaphragm pumps KS13175 / KS14175



Technical Data

Gear ratio:	3:1	4:1
Volume per cycle (double stroke):	350 cm³	350 cm³
Working pressure max.:	18 bar	20 bar
Stroke frequency max. (short time):	50 DS/min.	50 DS/min.
Stroke frequency max. (permanent):	20 DS/min.	20 DS/min.
Transfer max.:	17,5 l/min.	17,5 l/min.
Air inlet pressure min.:	0,5 bar	0,5 bar
Air inlet pressure max. (permissible):	6 bar	5 bar
Suction height (pump empty):	2,5 mWS	2,5 mWS
Suction height (pump filled):	6,5 mWS	6,5 mWS
Air inlet pressure min.:	0,5 bar to 1,5 bar	0,5 bar to 1,5 bar
Ambient temperature min.:	+5 °C	+5 °C
Ambient temperature max.:	+40 °C	+40 °C
Medium temperature min.:	+10 °C	+10 °C
Medium temperature max.:	+70 °C	+70 °C
Viscosity range:	10 to 750mm²/s(cSt)	10 to 750mm²/s(cSt)
Pump weight:	~ 30 kg	~ 30 kg
Pump weight with brackets:	~ 35 kg	~ 35 kg
Pump weight with brackets and wall mounting plate:	~ 38 kg	~ 38 kg
Sound pressure level max.*:	82 dB(A)	82 dB(A)
Air connection:	G1/2"	G1/2"
Material outlet:	G1"	G1"
Material inlet:	G1"	G1"

** measured at 1m distance*

The KS13175 and KS14175 are ruggedly constructed double diaphragm pumps designed for material transfer and spraying applications.

KS13175 / Gear ratio 3:1 / Part-No.: 13175 000000 (with ATEX)

KS14175 / Gear ratio 4:1 / Part-No.: 14175 000000 (with ATEX)

They are variable in use and due to stainless steel in the material area and in combination with the PTFE coated diaphragm it offers many advantages:

- **No special preparation of the compressed air necessary**
- **Low noise without external sound absorption**
- **Low-wear flat slider control**
- **Heavy-duty composite diaphragm coated with PTFE on the material side**
- **Easy to rinse**
- **Can be used in potentially explosive areas due to the all-metal construction**
- **Spring-loaded ball valves easily accessible from the outside**
- **Easy-care construction, modern industrial design**

All these advantages combined with a wide variety of accessories make the double diaphragm pumps to a universally usable tool.

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