

Aspirators Heberlein® Lufan-HS-2, HS-2+

Higher performance at lower air pressure. Production device of the new generation with optimum adaptation to the process

Reliable threading at highest speeds up to 8000 m/min.

Two versions available: The Lufan-HS-2 has the same performance as the previous model Lufan-HS. Recommended for existing plants. The Lufan-HS-2+ achieves the same performance at lower air pressure and is therefore suitable when laying out new plants.

Long life thanks to high value, wear resistant materials.

Simple handling by means of ergonomically shaped unbreakable valve.

Mouthpiece insensitive to impact.

Plastic sleeve over suction tube to afford protection of valuable machine parts such as rolls, etc.

Operator's hand protected against cold by new grip material.

HS/7-2 for textile FDY processes.

HS/10-2 for BCF and technical yarns.



Our product range

Air jets
Aspirating, cutting and splicing units
Bearings and rollers
Friction discs
Friction units
Spindles

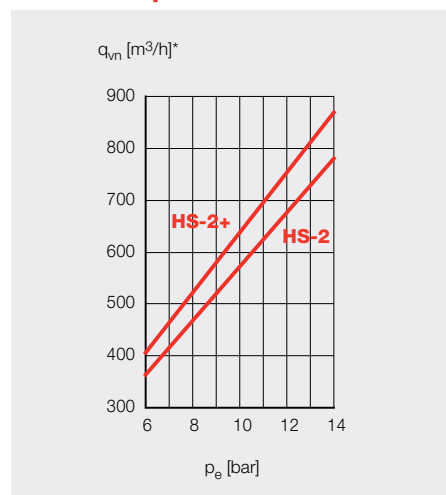
Certified Quality ISO 9001-2000

Aspirators Heberlein® Lufan-HS-2, HS-2+

Technical Data

Typ	Serie 2		Serie 2+	
	Lufan-HS/7-2	Lufan-HS/10-2	Lufan-HS/7-2+	Lufan-HS/10-2+
Working pressure	6 – 14 bar	6 – 14 bar	6 – 14 bar	6 – 14 bar
Formula for air consumption $q_{vn} = [m^3/h]$	$q_{vn} = 52 (p_e + 1)$	$q_{vn} = 52 (p_e + 1)$	$q_{vn} = 58 (p_e + 1)$	$q_{vn} = 58 (p_e + 1)$
Yarn speed range	– 8'000 m/min	– 8'000 m/min	– 8'000 m/min	– 8'000 m/min
Inside diameter of suction tube	7 mm	10 mm	7 mm	10 mm
Yarn count possibilities [dtex]	– 3'000	– 10'000	– 3'000	– 10'000
Weight (without hoses)	1.3 kg	1.3 kg	1.3 kg	1.3 kg
Working principle	twisting	twisting	twisting	twisting
Air supply connection	Ø 25 / 1" BSP	Ø 25 / 1" BSP	Ø 25 / 1" BSP	Ø 25 / 1" BSP
Air exhaust connection	Ø 32	Ø 32	Ø 32	Ø 32
Air supply hose (if required)	Ø 25 x 5 m	Ø 25 x 5 m	Ø 25 x 5 m	Ø 25 x 5 m
Ball valve for air supply	1 1/4" BSP	1 1/4" BSP	1 1/4" BSP	1 1/4" BSP
Air exhaust hose (if required)	Ø 32 x 5 m	Ø 32 x 5 m	Ø 32 x 5 m	Ø 32 x 5 m
Allowable total length of supply and exhaust hoses	max. 5 m	max. 5 m	max. 5 m	max. 5 m
Operating pressure max. (p_e)	20 bar	20 bar	20 bar	20 bar

Air Consumption



p_e = gauge pressure [bar]
 q_{vn} = air consumption [m³/h]*

psi = 14,7 x bar
 CFM = 0,588 x m³/h

* According to DIN 1343 standard conditions:
 Temperature = 0 °C, Pressure = 1,01325 bar
 relative humidity = 0% (1 standard cubic metre = 1,293 kg)

Compressed air requirements

Gauge pressure:	6 – 14 bar
Residual oil max.: (2*)	0,1 mg/m³
Residual particles max.: (3*)	– Particle size 5 µm – Particle density 5 mg/m³
Residual water max.: (5*)	– Residual water 7,732 g/m³ – Dew point + 7 °C

* According to DIN ISO 8573-1