English

FACTSHEET

TexJet-ATY.

Air texturing

HEBERLEIN®
TECHNOLOGY FOR PROFESSIONALS

swiss made. 1835.

HEBERLEIN® TexJet-ATY.

High-speed air texturing

The TexJet-ATY produces superior yarn at high processing speeds. It is used for the production of very fine to coarse yarns made of polyester, polyamide, and polypropylene and in the production of high-grade flame and effect yarns.

TexJet-ATY

Air texturing

Air texturing uses air to interweave the flat filaments of a multi-filament yarn. The yarn therefore acquires more volume and thus greater elasticity, good heat insulation, and high moisture absorption capacity. In addition to this structural change, multiple yarns with different features can also be blended at the same time.

Series Dx1
Is used for producing microfibre, effect, and flame yarns. Possible end products include sportswear, leisurewear, and sewing yarns.

Series Dx2
Highly suited to sportswear, leisurewear, automotive, and technical yarns.

Features and Benefits

- **Advanced texturing performance guarantees high production quality at maximum production speed**
- **Produces outstanding yarn quality at common texturing speeds**
- **Superior uniformity of position**
- **The automatic alignment between the jet and impact body mean that no inspections need be performed or adjustments made**
- **An integrated filter protects against blockage in the air channels**
- **Suited to very harsh conditions due to the fully protected ceramic parts.**
- **Stainless steel housing with original Viton® (FPM) sealing**
- **Greater efficiency: cycles between individual cleaning actions are up to ten times as long**
- **Coloured clips make identification easy**
- **Easy threading**
- **Easy cleaning**

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Technical Data

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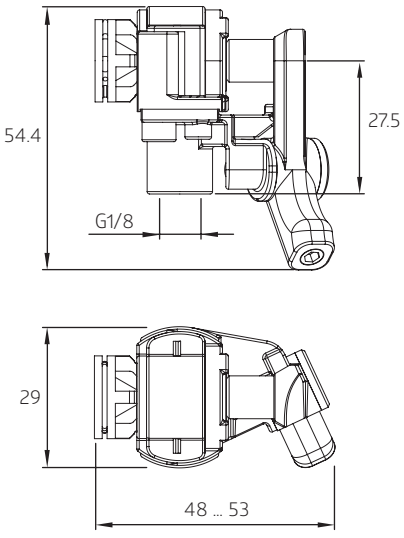
Performance values

Type	Total count of feed [1] [dtex]	Single count [1] [dtex]	Max. overfeed effect yarn [1]	Max. winding speed [1] [m/min]	Pressure range p_e [bar]	Air consumption [2] q_{vn} [m^3/h]
Series DX1 - For more volume, covering capacity, and overfeed and higher texturing speed						
D11	60 ... 250	0.5 ... 2.5	... 70 %	... 1200	8 ... 14	0.54 (p_e+1)
D21	200 ... 450	0.5 ... 2.5	... 70 %	... 1000	8 ... 14	0.81 (p_e+1)
D41	330 ... 800	0.5 ... 2.5	... 60 %	... 900	8 ... 14	1.46 (p_e+1)
Series Dx2 – For compact, particularly stable yarns with small, tight loops						
D02	44 ... 90	0.5 ... 1.5	... 40 %	... 800	8 ... 14	0.37 (p_e+1)
D12	80 ... 250	0.8 ... 3.5	... 60 %	... 1000	8 ... 14	0.54 (p_e+1)
D22	150 ... 480	0.8 ... 3.5	... 60 %	... 900	8 ... 14	0.81 (p_e+1)
D42	330 ... 1100	0.8 ... 5.5	... 60 %	... 800	8 ... 14	1.46 (p_e+1)
D52	600 ... 2500	4.0 ... 12.0	... 50 %	... 800	8 ... 14	2.05 (p_e+1)
D62	1800 ... 3500	4.0 ... 12.0	... 40 %	... 600	8 ... 14	2.75 (p_e+1)
Applications with polypropylene yards (PP)						
D42	150 ... 480	3.0 ... 8.0	... 30 %	... 500	8 ... 14	1.46 (p_e+1)
D52	350 ... 1100	3.0 ... 8.0	... 30 %	... 500	8 ... 14	2.05 (p_e+1)
D62	800 ... 2200	3.0 ... 8.0	... 30 %	... 500	8 ... 14	2.75 (p_e+1)
For glass fibre yarns						
D70	1360 ... 25000	4.0 ... 17.0µm				4.03 (p_e+1)

1 *Guide values: depends on the features of the yarns, the machine settings and the yarn guides (the = 0.9 x dtex)*
For optimal operational behaviour at high speeds, total stationary and effect yarn overfeed should come to no more than 40%.

2 *Under standard conditions according to DIN 1343: temperature = 0 °C, pressure = 1.01325 bar, relative humidity = 0 %, 1 standard cubic metre = 1.293 kg (psi = 14.7 x bar, CFM = 0.588 x m^3/h)*
p_e = overpressure [bar], q_{vn} = air consumption [m^3/h]

Dimensions and weight



Weight (excluding connector parts):
102 ... max 115 g, dimensions in mm

Build

1 TexHead
2 TexBody
3 connector parts (optional)

Compressed air requirements

- Overpressure: 8.0 ... 14.0 bar
- Max. residual oil: 0.1 mg/m^3(class 2*)
- Max. residual particles: (class 2*)
  - Particle size 1 µm
  - Particle density 1 mg/m^3
- Max. residual water: (class 5*)
  - Residual water: 7,732 g/m^3
  - Pressure dew point + 7 °C

* Quality class according to DIN ISO 8573-1

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Subject to change without prior notice.

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