

# HEBERLEIN® TEXJET-ATY.

## AIR TEXTURING.

### SUPERIOR HIGH-SPEED AIR TEXTURED YARN PRODUCTION.

The TexJet-ATY produces superior yarn at high processing speeds. It is used to create very fine to coarse yarns made of polyester, polyamide and polypropylene and in the creation of high quality slub and fancy yarns.

#### Air Texturing

The objective of air texturing is an increased volume of the yarn, but also the blending of several yarns with different characteristics.

#### Product Range

##### Serie Dx1

Used in the processing of micro, fancy and slub yarns it is often used to create sewing thread and for use in sportswear and outerwear.

##### Serie Dx2

Often used in the production of sportswear, outerwear, 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**
- ▶ **Manufactured for precision accuracy**  
machined to exacting standards results in high production uniformity from position to position
- ▶ **Universal usability: no need to choose between left and right hand versions**
- ▶ **A fixed pre-setting for auto-alignment of the deflector pin, jet and yarn guide – no adjustment required**
- ▶ **An integrated filter protects from blockages**
- ▶ **A shock proof jet with ceramic parts providing hard-wearing, long-lasting use**
- ▶ **A stainless steel housing with original Viton® (FPM) sealing**
- ▶ **Greater efficiency**  
up to 10 times longer cycles between cleaning
- ▶ **Easy identification via colour coded clips**
- ▶ **Easy threading**
- ▶ **Easy to clean**

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**HEBERLEIN AG**

# Heberlein® TexJet-ATY

## Range of Application

Jet type	Total feed yarn count <sup>1</sup>	Single filament count <sup>1</sup>	Max. overfeed slub yarn <sup>1</sup>	Max. winding speed <sup>1</sup>	Pressure range p <sub>e</sub>	Formula for air consumption q <sub>vn</sub> [m <sup>3</sup> /h] <sup>2</sup>
<b>Serie Dx1 – for more volume and increase in coverage, overfeed and texturing speed</b>						
D11	60 - 250 dtex	0.5 - 2.5 dtex	- 70%	- 1200 m/min	8 - 14 bar	0.54 x (p <sub>e</sub> +1)
D21	200 - 450 dtex	0.5 - 2.5 dtex	- 70%	- 1000 m/min	8 - 14 bar	0.81 x (p <sub>e</sub> +1)
D41	330 - 800 dtex	0.5 - 2.5 dtex	- 60%	- 900 m/min	8 - 14 bar	1.46 x (p <sub>e</sub> +1)
<b>Serie Dx2 – for compact, particularly stable yarns with small and tight loops</b>						
D02	44 - 90 dtex	0.5 - 1.5 dtex	- 40%	- 800 m/min	8 - 14 bar	0.37 x (p <sub>e</sub> +1)
D12	80 - 250 dtex	0.8 - 3.5 dtex	- 60%	- 1000 m/min	8 - 14 bar	0.54 x (p <sub>e</sub> +1)
D22	150 - 480 dtex	0.8 - 3.5 dtex	- 60%	- 900 m/min	8 - 14 bar	0.81 x (p <sub>e</sub> +1)
D42	330 - 1100 dtex	0.8 - 5.5 dtex	- 60%	- 800 m/min	8 - 14 bar	1.46 x (p <sub>e</sub> +1)
D52	600 - 2500 dtex	4.0 - 12.0 dtex	- 50%	- 800 m/min	8 - 14 bar	2.05 x (p <sub>e</sub> +1)
D62	1800 - 3500 dtex	4.0 - 12.0 dtex	- 40%	- 600 m/min	8 - 14 bar	2.75 x (p <sub>e</sub> +1)
<b>Range of application for polypropylene yarns (PP)</b>						
D42	150 - 480 dtex	3.0 - 8.0 dtex	- 30%	- 500 m/min	8 - 14 bar	1.46 x (p <sub>e</sub> +1)
D52	350 - 1100 dtex	3.0 - 8.0 dtex	- 30%	- 500 m/min	8 - 14 bar	2.05 x (p <sub>e</sub> +1)
D62	800 - 2200 dtex	3.0 - 8.0 dtex	- 30%	- 500 m/min	8 - 14 bar	2.75 x (p <sub>e</sub> +1)
<b>For glass filament yarns</b>						
D70	1360 - 25000 dtex	4.0 - 17.0 dtex				4.03 x (p <sub>e</sub> +1)

<sup>1</sup> Indicative values: Depending on the properties of the feeder yarns and the required air jet textured yarn properties (den = 0.9 x dtex).

For optimal runnability at high speeds core and effect overfeeds should not add up to more than 40 %.

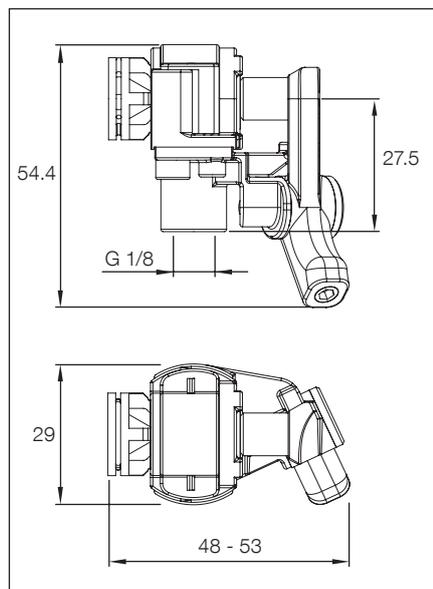
<sup>2</sup> Under standard conditions according to DIN 1343: Temperature = 0 °C; Pressure = 1.01325 bar; Relative humidity = 0 %; p<sub>e</sub> = pressure above atmospheric [bar] (1 standard cubic meter = 1.293 kg, psi = 14.7 x bar, CFM = 0.588 x m<sup>3</sup>/h). In the case of locations at more than 1000 m above sea level please ask.

## Mounting of the jet



- 1 TexHead
- 2 TexBody
- 3 Connecting parts (optional)

## Dimensions and Weights



Weight (without connecting parts):  
102 - max. 115 g, dimensions in mm

## Compressed air requirements

- Max. residual oil: 0.1 mg/m<sup>3</sup> (class 2\*)
- Max. residual particles: (class 2\*)
  - Particle size 1 µm
  - Particle density 1 mg/m<sup>3</sup>
- Max. residual water: (class 5\*)
  - Residual water 7.732 g/m<sup>3</sup>
  - Dew point + 7 °C

\* According to DIN ISO 8573-1