



紡絲噴嘴 JA-ISP Type

Spinning Jet JA-ISP-05-3.2

開放式的設計，掛紗容易，操作簡單。

JA-ISP-05 空氣噴嘴專門設計應用在工業紗上且提供優良交絡性。

適用於聚酯纖維(PET)/聚醯胺纖維(NYLON) 和聚丙烯纖維(PP)等纖維。

Open type design, very easy for yarn threading.

JA-ISP-05 air jet is specially designed for industrial application which can provide an excellent interlacing function.

This series can be used with polyester /polyamide/ polypropylene applications.



I .規格

Specifications

Spinning Jet Type	JA-ISP-05-3.2
Air hole (mm)	Ø 3.2
Pressure range(kg/cm ²)	1- 6
Spinning count(den)	< 1500
Take-up speed (m/min)	~ 6000

適用丹尼數及卷繞速度：取決於紗線特性、機台條件設定。

Take-up speed/Spinning count : depends on the yarn properties, the machine settings, and the yarn guides.

II .噴嘴空氣耗氣量

Jet air consumption

計算公式：

$$耗氣量 = d^2 \times 0.46571 \times (p+1)$$

q_{vn} : 空氣消耗量 (m³/h)

d : 噴嘴孔徑 (mm)

p : 使用的空氣壓力 (kg/cm²)

Air consumption :

$$q_{vn} = d^2 \times 0.46571 \times (p+1)$$

q_{vn} : Air consumption (m³/h)

d : Air hole diameter (mm)

p : Air pressure (kg/cm²)

對壓縮空氣的要求：

- 最大壓力波動 $\pm 0.1 \text{ kg/cm}^2$
- 溫度(Tem) $25^\circ\text{C} \pm 5^\circ\text{C}$
- 相對濕度(RH%) $< 40\%$
- 最大含油率： 0.1 mg/m^3
- 最大殘餘微粒：
 - 顆粒大小 $1 \mu\text{m}$
 - 顆粒密度 1 mg/m^3

Compressed air requirements

- Air pressure fluctuations max : $\pm 0.1 \text{ kg/cm}^2$
- Temperature: $25^\circ\text{C} \pm 5^\circ\text{C}$
- Relative Humidity(RH%) $< 40\%$
- Max residual oil: 0.1 mg/m^3
- Max residual particles:
 - Particles size $1 \mu\text{m}$
 - Particles density 1 mg/m^3

III. 噴嘴尺寸

Jet dimensions

