

HEBERLEIN® SLIDEJET-HFP15-2.

CO-MINGLING OF AIR COVERED YARN.

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LOWEST AIR CONSUMPTION FOR COST EFFECTIVE MANUFACTURING.

The SlideJet-HFP15-2 is used during the cost effective manufacture and processing of filament yarns during the air covering process. The jet is a modular construction consisting of a quick release housing which works with an array of different inserts which are easily exchanged. The range of jet inserts covers all yarn types from very fine to coarse yarns.

Air interlacing

Individual filaments are intermingled using a stream of compressed air. The resulting interlacing knots provide the required yarn compaction. This in turn leads to higher processing speeds, to an improved package build and reduced occurrence of broken filaments and yarn breaks in the downstream processes.

Jet plate product range

The P142-2, P143-2, P243-2, P244-2, P246-2 and P247-2 series with the patented ATC (Air Twist Chamber) for regular interlacing with maximum knot count up to 1000 m/min yarn speed.

The P212-2, P213-2, P312-2, P412-2 with vortex chamber, for high knot stability. For all combinations of elastane with textured and staple fibre yarns up to 700 m/min.



Features and Benefits

- ▶ **Cost effective; uses the lowest air consumption of any model**
- ▶ **New cutting edge technology jet plates for improved interlacing**
- ▶ **Push button mechanism for easy locking and unlocking from housings**
- ▶ **No screws; the jet plates connect to the slider with a bayonet locking**
- ▶ **Easy to identify jet plates via colour coded sliders**
- ▶ **The ceramics provide hard-wearing and long-lasting use**
- ▶ **Simple to maintain and clean**

Heberlein® SlideJet-HFP15-2

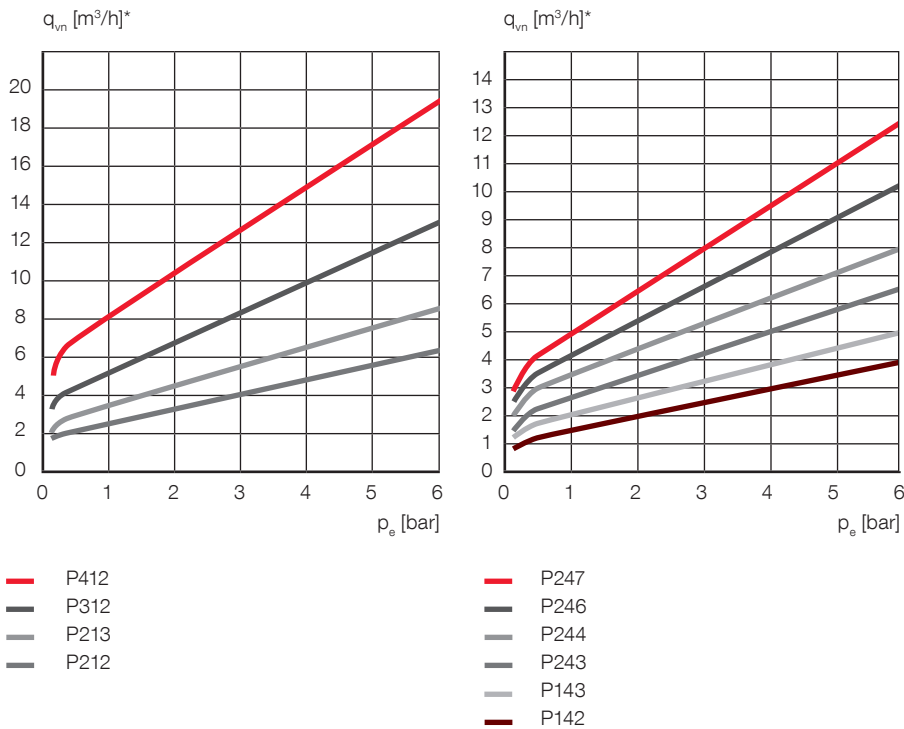
Performance characteristics

Special remarks	Jet insert	Count range incl. Elastan [dtex] (den = 0.9 dtex)	Air usage [m³/h]*
Very regular interlacing and high interlacing density up to 1000 m/min. Reduced air consumption by means of Air Twist Chamber (ATC).	P142-2	50-78	0.562 (p _e +1)
	P143-2	78-110	0.712 (p _e +1)
	P243-2	110-167	0.911 (p _e +1)
	P244-2	167-240	1.142 (p _e +1)
	P246-2	240-330	1.451 (p _e +1)
	P247-2	330-450	1.785 (p _e +1)
Less frequent but long interlacing zones, high stability, flexible application.	P212-2	50-78	0.911 (p _e +1)
	P213-2	78-110	1.189 (p _e +1)
	P312-2	110-167	1.859 (p _e +1)
	P412-2	167-240	2.772 (p _e +1)

■ Typical range ■ Limits of application 50 78 110 167 240 330 450 660 800 990 1200 1400

* Formula applies from 0.8 bar, p_e = pressure [bar]. Under standard conditions according to DIN 1343: Temperature = 0 °C, pressure = 1.01325 bar, relative humidity = 0% (1 standard cubic metre = 1.293 kg). Losses in the compressed air system have not been considered.

Air consumption



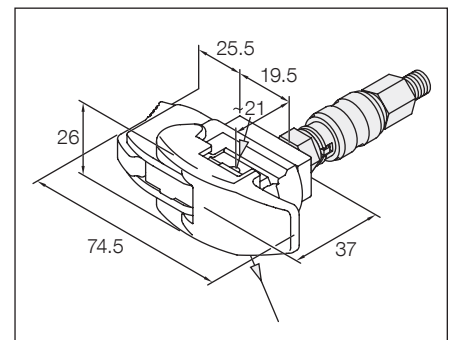
p_e = gauge pressure [bar]
 q_{vn} = air consumption [m³/h]*
 psi = 14.7 x bar
 CFM = 0.588 x m³/h

Compressed air requirements

- Air pressure (gauge): max. 10 bar**
- Max. residual oil: 0.1 mg/m³ (class 2*)
 - Max. residual particles: (class 2*)
 - Particle size 1 µm
 - Particle density 1 mg/m³
 - Max. residual water: (class 5*)
 - Residual water 7.732 g/m³
 - Dew point + 7 °C

* According to DIN ISO 8573-1

Dimensions and weight



SlideJet-HFP15-2: Weight 58 g (without nipple and connector), dimensions in mm