



Steel Belt Systems

Extrusion & Powder Coating Division

EBVP-SBS Twin-Screw Extruder

Main Characteristics:

- Complete with single / double screw standard feeding system and hopper
- Specific energies used to calculate capacities:
 - EP/PE 0.08 kW – hr/kg
 - PE PRIMID 0.09 kW – hr/kg
 - Clear coats 0.1 – 0.12 kW – hr/kg with 500-600 RPM max speed
- Designed and produced in accordance with CE standard
- The thermoregulation system is directly controlled by Siemens PLC system
- **Proprietary special cooling barrel design**



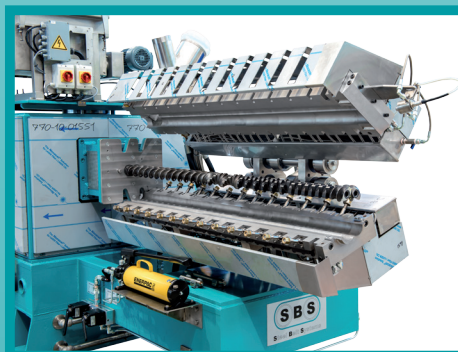
Main Standard Technical Parameters:

| Model** | Capacity* (Kg/h) | L/D | Screw diameter (mm) | Main motor power (kW) | Max screw speed (Rpm) |
|----------|------------------|------|---------------------|-----------------------|-----------------------|
| EBVP21 | 0,5÷25 | 28/1 | 21 | 6 | 900 |
| EBVP21SL | 0,5-50 | 28/1 | 21 | 10 | 1000 |
| EBVP33 | 220 | 24/1 | 33 | 38 | 900 |
| EBVP37 | 250 | 24/1 | 37 | 45 | 900 |
| | 350 | 28/1 | | 56 | 1200 |
| EBVP45 | 600 | 24/1 | 45 | 77 | 900 |
| | 800 | 28/1 | | 102 | 1200 |
| EBVP55 | 1100 | 24/1 | 55 | 140 | 900 |
| | 1250 | 28/1 | | 185 | 1200 |
| EBVP65 | 1700 | 24/1 | 65 | 223 | 900 |
| | 2000 | 28/1 | | 280 | 1200 |

*referred to white polyester - ** all extruders are MV type (mega volume)

Barrels:

- Modular
- Openable type
- Water cooled
- Heated by cartridge heater
- Up to 250°C
- IP55



| Model | Barrels | Liners |
|----------|---------|---------------------------------|
| EBVP21 | 28 L/D | 8 L/D – Vanadis - 20 L/D – K110 |
| EBVP21SL | 28 L/D | 8 L/D – Vanadis - 20 L/D – K110 |
| EBVP33 | 24 L/D | 8 L/D – Vanadis - 16 L/D – K110 |
| EBVP37 | 24 L/D | 8 L/D – Vanadis - 16 L/D – K110 |
| | 28 L/D | 8 L/D – Vanadis - 20 L/D – K110 |
| EBVP45 | 24 L/D | 8 L/D – Vanadis - 16 L/D – K110 |
| | 28 L/D | 8 L/D – Vanadis - 20 L/D – K110 |
| EBVP55 | 24 L/D | 8 L/D – Vanadis - 16 L/D – K110 |
| | 28 L/D | 8 L/D – Vanadis - 20 L/D – K110 |
| EBVP65 | 24 L/D | 8 L/D – Vanadis - 16 L/D – K110 |
| | 28 L/D | 8 L/D – Vanadis - 20 L/D – K110 |

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