



Sterile portfolio

SEALING AND TUBING SOLUTIONS

Redefined

biopulsesolutions.com

About BioPulse

We are India's first open architecture single-use Bioprocessing integrator and cleanroom hose assembly manufacturers. Our extensive background and portfolio make us your trusted partner, for your critical bioprocessing and Life Science applications. We collaborate closely with you to address your concerns effectively by leveraging our expertise combined with our innovative technologies, technology partnerships and customised solutions, delivered through our Certified Cleanroom Facilities.

We understand your Biopharma production and Life Science challenges and pain areas. Our ground-breaking open architecture approach, enables us to deliver cutting-edge, world-class end-to-end solutions that cater to your specific bioprocessing needs. Our portfolio comprises of exceptional Products backed by strategic Technology partnerships that helps you to stay ahead of the curve in today's quality-centric and highly competitive market.

About Vante

Vante is a leader in the global biopharmaceutical manufacturing industry for decades providing sterile connecting and disconnecting solutions. Vante's products include their own manufacturing systems, industrial tube sealers, and plastic sealing and welding technology. The company is focused on continuous development of innovative technology and quality products and focused on delivering reliability, quality and service.

Vante® TPE Sealer System



Controller Model 4160

Thin-Wall Sealing Head Model 4161

This sealing head model seals .062 & .094 inch wall thickness tubing with an outside diameter range of .250 to .688 inches.

Thick-Wall Sealing Head Model 4162

This sealing head model seals .125 inch wall thickness tubing with an outside diameter range of .375 to 1.00 inches.

The all-new Vante® 4160-series TPE Tubing Sealer is the obvious choice for the reliable, efficient creation of permanent seals in thermoplastic tubing common in single-use manufacturing procedures performed in biopharmaceutical cleanroom production suites, allowing for ease of separation at the seal area. It operates with voltage rated inputs of 100-120 VAC or 230 VAC. The connection of an external compressed air supply is not required. Offering the ultimate in portability, this tubing sealer can be easily moved throughout the suite.

The durable, maintenance-free sealing heads are connected to the controller with an 8ft cable and are equipped with a remote cycle-start feature to make this the only TPE Sealer offered standard with truly remote tube sealing capabilities. The controller is equipped with 2 levels of password protection for quality assurance and process control. A simple, user-friendly control panel allows for accurate configuration and operation. The sealing heads have a built-in safety lock feature to prevent them from being opened once a sealing cycle has been initiated. This all-new Vante TPE Tubing Sealer consists of the Model 4160 Controller and interchangeable sealing heads - Model 4161 Sealing Heads for thin-wall TPE tubing, and Model 4162 Sealing Heads for thick-wall TPE tubing up to 1-inch outside diameter.

Features

- Password protected settings
- Standard remote sealing heads with safety lock and cycle start button
- Increased tubing O.D. capability to 1"

Benefits

- No external compressed air required
- Truly remote sealing capability
- Settings are easily adjusted and locked
- Ease of operation
- Very low maintenance
- Easy to clean

Part Number	BP702080-001	BP702080-002	BP702080-003
MECHANICAL SPECIFICATIONS	4160	4161	4162
Dimensions (W x L x H)	9 x 16.5 x 6 inches 22.5 x 41 x 15 cm	3 x 12.5 x 2 inches 7.5 x 31.5 x 5 cm	3 x 13 x 2 inches 7.5 x 32.5 x 5 cm
Operating Weight	14 lbs (5.4 kg)	2.5 lbs (1.13 kg)	2.6 lbs (1.18 kg)

ELECTRICAL SPECIFICATIONS

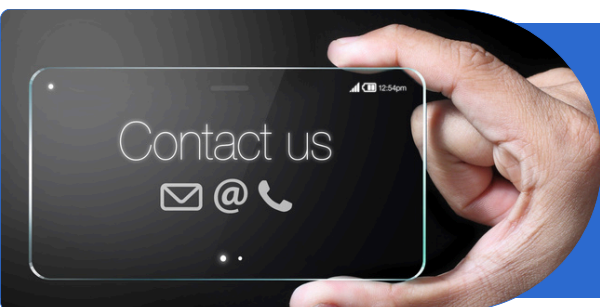
Certifications	cTUVus, CE, WEEE, RoHS	–	–
Power Input	100VAC +/-10%, 50-60Hz 115VAC +/-10%, 50-60 Hz 230VAC +/- 10%, 50-60 Hz	100VAC +/-10%, 50-60Hz 115VAC +/-10%, 50-60 Hz 230VAC +/- 10%, 50-60	100VAC +/-10%, 50-60Hz 115VAC +/-10%, 50-60 Hz 230VAC +/- 10%, 50-60
Main Fuses	(100VAC units) 4A (115VAC units) 4A (230VAC units) 2A	Hz –	Hz –

PERFORMANCE FACTORS

Tubing Sizes (O.D.)	–	.250 - .668 inches .062 - .094 inch wall thickness	.375 - 1.0 inches .125 inch wall thickness
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OPERATING CONDITIONS

Temperature	59° -95° F (15° - 35°C)	59° -95° F (15° - 35°C)	59° -95° F (15° - 35°C)
Humidity	70% maximum relative humidity (non- condensing)	70% maximum relative humidity (non- condensing)	70% maximum relative humidity (non- condensing)
Compressed Air Supply	Not Required	–	–



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Vante® Sterile Connector



The Vante® Sterile Connector is an automated table top device which produces a singular aseptic tubing connection from two separate tubing segments. The Model 3960 is designed for use in biopharmaceutical manufacturing applications where aseptic tubing connections are required. It is a stand-alone automated table top device that requires minimal user interface for ease of operation. The unit incorporates self-controlled heating operation and temperature monitoring as well as an automated mechanical assembly to perform the tube welding operation. A cover protects the user during the operation. The Welder requires a single use, disposable cutting blade which is purchased separately from the unit. The tubing can be wet, dry or fluid filled.

Features

- Stand-alone table top device
- Minimal user interface
- Self-controlled heating operation
- Temperature monitoring
- Tubing can be wet, dry or fluid filled

Benefits

- Compact footprint which saves cleanroom space · Easy to use
- Fast and reliable
- Proven design

Part Number	BP702080-004			
MECHANICAL SPECIFICATIONS	3960			
Dimensions (W x L x H)	12 x 13 x 9.5 inches (30.5 x 33 x 24.1 cm)			
Operating Weight	25 lbs (11.35 kg)			
ELECTRICAL SPECIFICATIONS	OPERATING CONDITIONS			
Certifications	cTUVus, CE, WEEE		Temperature	68° - 110°F (20° - 43°C)
Power Input	120 VAC, 50-60 Hz, 2.4 amps 230 VAC, 50-60 Hz, 3.1 amps		Humidity	90% maximum relative humidity, Non- condensing
Main Fuses	1.6A-T 250 VAC (120 VAC Units) 0.8A-T 250 VAC (230 VAC Units)		Compressed Filtered Air	85-100 PSI
PERFORMANCE FACTORS				
Tubing Size	0.250 - 0.750 inches OD, 0.0625 - 0.125 inches wall thickness			



About BioPulse Solutions

BioPulse Solutions Private Limited is India's first open architecture single-use bioprocessing integrator and cleanroom hose assembly manufacturer. We are also a prominent producer of stainless-steel process systems, with expertise in process engineering, automation, and turnkey projects. Our hybrid bioprocessing approach enables Biopharma customers to get access to unique, solutions for their complex applications without being restricted to rigid technology platforms. We manufacture and provide Custom Single-Use Assemblies, Fluid Handling Components, Integrated Systems, Hybrid Customized Solutions & Value-added Services thru our Certified Cleanrooms; also, Stainless Steel Fermenter, Bioreactor & Process Skids for Biopharma, designed & fabricated in house.

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