

Vante® TPE SEALER SYSTEM



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.

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

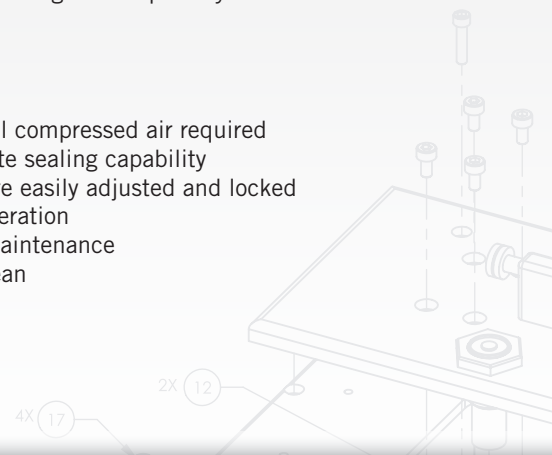
This sealing head model seals .125 inch wall thickness tubing with an outside diameter range of .375 to 1.00 inches.

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



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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 Hz	100VAC +/-10%, 50-60Hz 115VAC +/-10%, 50-60 Hz 230VAC +/- 10%, 50-60 Hz
Main Fuses	(100VAC units) 4A (115VAC units) 4A (230VAC units) 2A	—	—

PERFORMANCE FACTORS

Tubing Sizes (O.D.)	—	.250 - .688 inches .062 & .094 inch wall thickness	.375 - 1.00 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	—	—

Vante 4160 TPE Tube Sealer

Sealing Head Selector

Tubing Size ID x OD	Pump Size	Wall Thickness	Recommended Sealing Head
1/32" x 3/32"		1/32"	Custom
1/16" x 1/8"		1/32"	Custom
1/16" x 3/16"	14	1/16"	Custom
1/8" x 1/4"	16	1/16"	4161
3/16" x 5/16"	3, 25	1/16"	4161
3/16" x 3/8"	15	3/32"	4161
1/4" x 3/8"	17	1/16"	4161
1/4" x 7/16"	24	3/32"	4161
1/4" x 1/2"	26	1/8"	4162
5/16" x 7/16"	18	1/16"	4161
5/16" x 1/2"	35	3/32"	4161
3/8" x 1/2"	96	1/16"	4161
3/8" x 9/16"	36	3/32"	4161 *
3/8" x 5/8"	73	1/8"	4162
1/2" x 11/16"		3/32"	4161 *
1/2" x 3/4"	82	1/8"	4162
5/8" x 7/8"		1/8"	4162
3/4" x 1"		1/8"	4162

* - The 4162 Sealing Head is also capable of sealing this size tubing, but the 4161 is still the recommended sealing head for these sizes.

Vante 4160 TPE Sealer

Packaging and Shipping Information

Included with each 4160 TPE Sealer Shipment

- 4160 TPE Controller
 - o Certificate of Compliance
 - o Operator Manual
 - o 8-Foot Sealer Cable
 - o 8-Foot Cooling System Tubing
 - o Power Cord
 - o 10-Foot Tubing with ¼” Quick Connect for Optional Connection to External Compressed

Air Supply

- 4161 Thin-Wall Sealing Head *(if included with purchase order)*
 - o Certificate of Compliance
 - o 2ea Fiberglass/TEFLON Adhesive Pads
- 4162 Thick-Wall Sealing Head *(if included with purchase order)*
 - o Certificate of Compliance
 - o 2ea Fiberglass/TEFLON Adhesive Pads

Shipping Box Dimensions and Weights

- Complete TPE Sealer – 4160/4161/4162
 - o 23in x 19in x 17in (58cm x 48cm x 43cm)
 - o 28lbs (12.7kg)
- Partial TPE Sealer – 4160/4161 or 4162
 - o 23in x 19in x 17in (58cm x 48cm x 43cm)
 - o 23lbs (10.4kg)

Other Shipping Information

- Harmonized Standard Code
 - o 8501.61.0000
- Standard Method of Shipment
 - o FedEx Priority 2-Day Service (unless otherwise noted on purchase order)