

VULCANIZING EQUIPMENT

The Vulcaflex® and OMEGA OTR Tire Repair System offers the most advanced method of curing OTR section repairs on one system to the professional tire repair man.

- The system uses an outside flat airbag, an outside heatpad, an inside heatpad and an inflatable mandrel/airbag to accomplish distortion free repairs on radial, bias and low profile OTR tires.
- The mandrels are lightweight, durable and easy to position in the tire. The system adjusts perfectly to the contour of the tire for distortion-free repairs of radial, bias ply, low profile, wide base and skidder or tractor tires.

OMEGA Control Panels

Independent Digital Temperature Read-Outs allow the operator to see both inside and outside heat pad temperatures at a glance.

Thermocouples in the pads automatically control temperatures ensuring simple, trouble free operation.

- Air Regulators
- Timer
- Audio Alarm
- Thermocouple wire reading
- Inside/Outside Air Bag Pressure
- Digital Temperature Controllers with Read Out (PID)
- Inside/Outside Thermocouple Plugs
- Inside/Outside Heatpad Plugs
- Inside/Outside Airbag Connectors

47-000



47-001



CODE	DESCRIPTION	WEIGHT
47-000	220 vlt without thermocouple shut off	19 lbs / 8.6 kg
47-001	220 vlt with thermocouple shut off	46 lbs / 21 kg
43-099	Basic Electric Digital Panel without air outlet	11 lbs / 5 kg

VULCAFLEX TOUCH SCREEN PANEL

Vulcatouch®, is custom programmed to perform and monitor your OTR repair vulcanizing cycle.

- Easy to operate 8" full colour touch screen as operator interface. Can also simultaneously be remotely displayed on PC via Ethernet.
- Curing temperature, pressure and curing time settings are done with a touch of a finger tip.
- Ability to attach 2 additional auxiliary thermocouples for extra monitoring of temperatures during the curing of the repair.
- Digital temperature controls and display of Inside and Outside Heatpads plus amperage indicators.
- Automatic control of Inside/Outside Airbag pressure.
- Audio Alarm – Continuous beep to indicate overheating. Machine will shut off power to Headpads.
- Audio Alarm – Continuous beep to indicate excessive air pressure in Airbags. Machine will exhaust air until set air pressure is reached.
- Audio Alarm if one or both Heatpads malfunction at beginning or during cycle.
- Audio signal - Intermittent beeps to indicate end of curing cycle.
- Automatic storage of alarm history.



43-100

CODE	DESCRIPTION	WEIGHT
43-100	220 vlt Vulcatouch truck panel	30 lbs / 13.6kg
43-101	220 vlt Vulcatouch OTR panel	30 lbs / 13.6kg

VULCANIZING SYSTEM COMPONENTS FOR TRACTOR/SKIDER AND OTR TIRES

The components listed below relate to the various tire ranges listed. These are for reference only. The Tire Repair Professional must ultimately make the decision of what components to use to accomplish a professional and lasting repair.

	TRACTOR & OTR WIDE BASE TIRE SIZES	OTR TIRE SIZES		CYLINDER AIRBAG	INSIDE FLAT AIRBAG	INSIDE HEAT PAD		OUTSIDE HEAT PAD RADIAL	OUTSIDE HEAT PAD RADIAL	OUTSIDE BEAD WRAP	HARNESS
						BIAS PLY	RADIAL				
						BIAS PLY	RADIAL				
1.	14.9-24 THROUGH 16.9-38	14.00-20 13.00-24/25 14.00-24/25	16.00-24/25 15.5-25 17.5-25	VV1315/20CAB		VV2519H	VV3015H	VV2621H	VV1616H		VVH512
2.	18.4-24 THROUGH 20.8-42	18.00-24/25 18.00-33 18.00-49 20.5-25	21.00-25 21.00-35 21.00-49 20.5-25	VV1721/24CAB		VV2626H	VV3015H	VV2621H	VV2519H		VVH512
3.	23.1-26 THROUGH 30.5-32	23.5-25 24.00-25 24.00-29 24.00-35	24.00-49 26.5-25 26.5-29	VV1721/24CAB	VV4824FAB	VV2626H	VV3015H	VV2621H	VV2621H		VVH512
4.	25/65-25	27.00-49 29.5-25	29.5-29 27-56.5	VV1721/24CAB	VV5432FAB	VV2626H	VV4215H	VV2519H	VV2621H		VVH624
5.	30/65-25 30/65-29 35/65-33	33.00-51 33.25-29 33.25-35	33.5-33 33.5-39 33-59.5	VV2732/32CAB	VV5432FAB	VV2626H OR VV3132H	VV4215H OR VV4224H	VV2626H	VV4220H		VVH624
6.	40/65-39 45/65-45	36.00-51 37.25-35 37.5-33	37.5-39 37.5-51 36-59.5 39-59.5	VV2732/32CAB	VV6732FAB	VV3132H	VV4215H OR VV4224H	VV2626H	VV4224H	HP6624H & AB7532	VVH624
7.	49.5/85-57 50/65-51	40.00-57		VV3842/32CAB	VV6732FAB	VV3132H	VV6024H OR VV6624H	VV2626H	VV4224H	HP6624H & AB7532	VVH624
8.	50/80-R57 46/90R57 55/80-63 59/80R63			VV4447/32CAB	VV7532FAB	VV3132H	VV6024H OR VV6624H	VV2626H	VV4824H	HP8522H & AB9032	VVH624
9.	53.5/85-57-63 55.5/80-57-63 55.5/85-57			VV4447/32CAB	VV9032FAB	VV3132H	VV6024H OR VV6624H	VV2626H	VV4824H	HP8522H & AB9032	VVH624



HEAT PADS

VULCAFLEX® HEATPADS ARE GENERALLY MORE RUGGED AND LAST LONGER THAN THOSE MADE BY OTHERS.

- The Vulcaflex® System is relatively light and compact. As a result it can easily be moved to various different locations to perform repairs. Operation is simple. Experienced tire repair people will produce excellent, lasting repairs.
- You can cure section repairs on all tire sizes from 13.00 through 55.5/85-57 with the purchase of the entire system. Custom ordering of components is available to operations which specialize in specific tire sizes.

CODE	HEAT PAD HEATING SIZE	HEAT PAD OVERALL SIZE	WEIGHT
TO ORDER AN INSIDE HEAT PAD PUT AN (I) AT THE END OF THE NUMBER EX: 40-116 (I)			
Passenger/Light/ Truck Heat Pad			
40-116	10" x 5"	12" x 6"	8 LBS / 3.63 KG
40-128	10.5" x 7"	13" x 8"	10 LBS / 4.55 KG
40-1010	10.5" x 9"	12" x 10"	10 LBS / 4.55 KG
Truck Heat pads			
40-30N	14.5" X 7.75"	17" x 9"	9 LBS / 4.09 KG
40-126	11.5" X 5"	13" X 6"	9 LBS / 4.09 KG
40-288	27" X 7"	28.5" X 8"	12 LBS / 5.45 KG
40-1213	13" X 12"	18" X 13"	11 LBS / 5 KG
40-1414	14" X 14"	16" X 16"	13 LBS / 5.9 KG
40-2210	18.5" X 9"	22" X 10"	11 LBS / 5 KG
40-2213	18.5" X 12"	22" X 13"	13 LBS / 5.9 KG
40-2217	19" X 15.5"	22" X 17"	16 LBS / 7.27 KG
40-2621	22.5" X 20"	26" X 21"	21 LBS / 9.55 KG
OTR Heat Pads			
40-1616	16" X 16"	22" X 17"	11 LBS / 5 KG
40-2215	19.5" X 14"	22" X 15"	15 LBS / 6.82 KG
40-2519	25" X 19"	31" X 20"	18 LBS / 8.2 KG
40-2626	26" X 26"	32" X 27"	27 LBS / 12.27 KG
40-2815	25" X 14"	28" X 15"	21 LBS / 9.55 KG
40-3015	30" X 15"	36" X 16"	17 LBS / 7.73 KG
40-3132	31" X 32"	37" X 33"	38 LBS / 17.3 KG
40-3636	36" X 36"	43.75" X 37.75"	60 LBS / 27.27 KG
40-4215	42" X 15"	48" X 16"	22 LBS / 10 KG
40-4220	42" X 20"	48" X 21"	37 LBS / 16.82 KG
40-4224	42" X 24"	47" X 25"	38 LBS / 17.3 KG
40-4824	48" X 24"	54" X 25"	47 LBS / 21.36 KG
40-5224	52" X 24"	58" X 25"	52 LBS / 23.6 KG
40-6024	60" x 24"	66" x 26"	59 LBS / 26.8 KG
40-6624	66" x 24"	72" x 26"	64 LBS / 29. KG
40-8522	85" x 22"	90" x 24"	80 LBS / 36.36 KG
Outside L shaped Heat pads			
	Sidewall x tread x width		
40-180LS	12" x 8" x 16"	14" x 10" x 21"	26 LBS / 11.8 KG
40-250LS	15" x 18" x 16"	18" x 21" x 21"	34 LBS / 15.4 KG

OMEGA INSIDE HEAT PADS

- The Omega Vulcanizing System offers the most advanced method of curing. OTR tire section repairs on one system to the professional tire repairman. The system uses an outside flat airbag, an outside and inside thermocouple heat pad and an inflatable cylinder airbag to accomplish distortion free repairs on radial, bias and low profile tires. The cylinder bags are lightweight, durable and easy to position in the tire. The system adjusts perfectly to the contour of the tire for distortion-free repairs of radial, bias ply, low profile, wide base and skidder or tractor tires..

OMEGA INSIDE HEATPADS ARE VERY LIGHT, FLEXIBLE AND MAKE A NICE REPAIR FINISH.

CODE	HEATING SIZE	OVERALL SIZE	WEIGHT
44-1212	11" X 11"	12" X 12"	2.2 LBS / 1 KG
44-2420	23" X 19"	24" X 20"	7.3 LBS / 3.3 KG
44-2815	27" X 14"	28" X 15"	6.4 LBS / 2.9 KG
44-4216	41" X 15"	42" X 16"	10.3 LBS / 4.6 KG
44-6618	65" X 17"	66" X 18"	18.2 LBS / 8.3 KG
44-7222	71" X 21"	72" X 22"	24.2 LBS / 11 KG
44-8824	87" X 23"	88" X 24"	32.3 LBS / 14.7 KG



FLAT AIRBAGS



CODE	AIR BAG SIZE	WEIGHT
41-2210	22" x 10"	5.1 LBS / 2.3 KG
41-2213	22" x 13"	6.92 LBS / 3.15 KG
41-4815	48" x 15"	16.6 LBS / 7.6 KG
41-2117	21" x 17"	8.3 LBS / 8.75 KG
41-2316	23" X 16"	8.5 LBS / 3.9 KG
41-2517	25" X 17"	9.8 LBS / 4.47 KG
41-2621	26" X 21"	12.6 LBS / 5.7 KG
41-2820	28" X 20"	13 LBS / 5.9 KG
41-3620	36" X 20"	18 LBS / 8.18 KG
41-3624	36" X 24"	20 LBS / 9.09 KG
41-3636	36" X 36"	22 LBS / 10 KG
41-4824	48" X 24"	24 LBS / 10.9 KG
41-4832	48" X 32"	34 LBS / 15.45 KG
41-5432	54" X 32"	37 LBS / 16.8 KG
41-6732	67" X 32"	47 LBS / 21.36 KG
41-7532	75" X 32"	54 LBS / 24.55 KG
41-8132	81" X 32"	60 LBS / 27.27 KG
41-9032	90" X 32"	65 LBS / 29.55 KG

CYLINDER AIRBAGS



CODE	DESCRIPTION	WEIGHT
41-88/12	CYLINDER AIRBAG 88/12	
41-911/13	CYLINDER AIRBAG 911/13	
41-M2	CYLINDER AIRBAG M2	
41-1220	CYLINDER AIRBAG 1220	
41-1315/20	CYLINDER AIRBAG 1315/20	
41-1518/24	CYLINDER AIRBAG 1518/24	
41-1721/24	CYLINDER AIRBAG 1721/24	
41-1721/32	CYLINDER AIRBAG 1721/32	40 LBS / 18.2 KG
41-2124/32	CYLINDER AIRBAG 2124/32	44 LBS / 20 KG
41-2427/32	CYLINDER AIRBAG 2427/32	48 LBS / 21.8 KG
41-2732/32	CYLINDER AIRBAG 2732/32	55 LBS / 25 KG
41-3336/32	CYLINDER AIRBAG 3336/32	78 LBS / 35.4 KG
41-3842/32	CYLINDER AIRBAG 3842/32	91 LBS / 41.3 KG
41-4447/32	CYLINDER AIRBAG 4447/32	100 LBS / 45.4 KG

ACCESSORIES

HARNESS, STRAPS
BLOCK, PIPES...



CODE	PRODUCTS	DESCRIPTION
46-048	HARNESS	Harness Truck strap kit 4 straps x 8"
46-512	STRAPS AND HARNESS	Kit for small OTR 5 straps x 12' with 2 harness
46-624		Kit for OTR 6 straps 2" x 24' with 2 Harness
46-824		Kit for OTR 8 straps 2" x 24' with 2 harness
46-6245		Kit for OTR 6 straps 3" x 24" with 2 harness
46-215	RATCHET	Strap with ratchet 2" x 12"
46-224	STRAP	Strap with ratchet 3" x 24"
42-900 (LUGSB)	SAND BAGS	50 OTR lug Sand Bags
46-2420P5	PAD	Pad Poly 24" x 20" for 5 straps
46-2420P6		Pad Poly 24" x 20" for 6 straps
46-2433P6		Pad Poly 24" x 33" for 6 straps
46-2433P8		Pad Poly 24" x 33" for 6 straps
46-4032	PVC PIPE	PVC PIPE KIT 40" X 32"
46-4036		PVC PIPE KIT 40" X 32"
46-6032		PVC PIPE KIT 60" X 32"
46-6036		PVC PIPE KIT 60" X 36"
42-049	BEAD BLOCK	Bead Block 49"
42-051		Bead Block 51"
42-057		Bead Block 57"
42-063		Bond Block 63"
45-500	TALC	5 Gallon pail talc
42-910	THERMOCOUPLE KIT	Thermocouple Repair unit