



Thermoplastic Equipment

Vulcan Melting Kettles



Vulcan Kettles are value-engineered to provide unequalled performance through fast material melting, accurate temperature maintenance and monitoring, "flame-out" proof pilot system and continuous agitation.

This powerful combination of features benefits all striping operations by protecting the material from scorching or burning prior to transfer to the applicator.

Vulcan M Kettle burner systems, fabrication methods, head baffling, ventilation, insulation and agitator design offer maximum safety with minimal maintenance and low operation costs, allowing crews to maximize productivity and job quality season after season.

FEATURES

- ◆ Vertical design conserves space while providing superior material circulation and turnover
- ◆ Dome bottom to eliminate excessive heat on weld points.
- ◆ Burner Drawer Providing Improved heat transfer.
- ◆ Quick, efficient meltdown and discharge speeds
- ◆ LP-gas or diesel-fueled engines and burner systems
- ◆ Heavy-duty, insulated all-steel tanks and components
- ◆ Unitized shell construction maximizes heat efficiency
- ◆ Air-or Oil jacketed
- ◆ Safety Engineered:
 - ◆ No pressurized tanks
 - ❖ Three door safety loading chute
 - ❖ Insulated side panels for worker comfort
 - ❖ Twin, baffle-protected, heat efficient exhaust tubes
- ◆ Powerful variable speed, reversible hydraulic material agitation system [optional helical blade]
- ◆ Full radius agitator blades with complete bottom and side-wiping action prevents material buildup and improves circulation of molten materials
- ◆ Optional Helical Blade Available
- ◆ Convenient access to all hardware components for easy preventive maintenance or repair
- ◆ Interconnections available (up to four)
- ◆ Optional Square Kettle Designs Available

In the interest of continual product improvement, M-B Companies, Inc. reserves the right to change specifications without notice. (12/2008)



Thermoplastic Equipment Vulcan Melting Kettles

AGITATOR BLADES AND DISCHARGE VALVES

Agitator blades are shaped to evenly blend the molten thermoplastic materials and keep them in a homogeneous state while constantly sweeping the kettle sides and bottom to prevent material build-up.

Discharge valves are designed to securely open and close with no requirements for external flame heating. Oil and material heating systems are thermostat controlled to maintain stable temperatures. All temperature gauges are prominently positioned for convenient operator monitoring. Kettle top and agitator system assembly allow easy removal for quick cleaning or routine preventive maintenance.

KETTLE DIMENSIONS

Vulcan™ Kettles are available in 7 model sizes (see chart below) and can be configured for mounting on a wide range of trailers, feeder trucks, or longliners to meet your production requirements and provide many years of reliable service.

Vulcan kettles may be ordered individually or as matched pairs, triads, or quad configurations with optional interconnections for mounting on trailers, feed trucks, or all-in-one longliners.

MODEL	CAPACITY Pounds/Gallons	Air- Jacketed Diameter	"K" Height	Oil-Jacketed Diameter	"K" Height
800	800/60	36"	46-7/8"	37-1/4"	49-1/4"
1500	1500/100	42"	42"-3/8"	42"	56-1/2"
2000	2000/135	42"	60-7/8"	42"	69"
2000	2500/170	42"	65-3/8"	42"	78-3/4"
3000	3000/305	42"	73-3/8"	❖	❖
3000	3000/305	46"	67-3/8"	46"	78-3/4"
4000	4000/270	48"	72-5/8"	❖	❖



ADDITIONAL SYSTEM INFORMATION

Configurations

Single or twin on trailer or feeder trucks; up to quad configurations on all-in-one longliners; single or multiple (up to 4) interconnections.

Material Heat Source

Diesel or Liquid Propane Burners
(800 Models =242,000BTU 1500-4000 Models =484,000BTU);
high efficiency O-ring mounted jets (LP) or closed systems diesel burners.

Temperature Maintenance

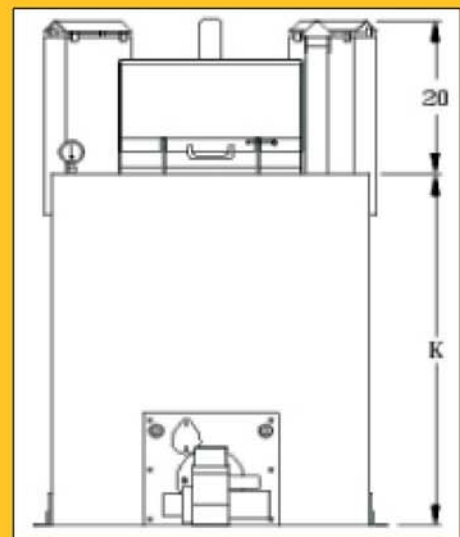
Thermostat controls for both material and oil jackets

Agitation:

Hydraulic, 360° clean sweep blades, powered by propane or diesel engine; optional helical blade

Fast flow discharge with knife gate slide valve

"Flame-out" proof pilot system and wind shielded burners



Pavement Marking Division - EAST

79 Montgomery Street
Montgomery, PA 17752
800-558-5800

Pavement Marking Division - WEST

2490 Ewald S.E.
Salem, OR 97302
800-558-5800