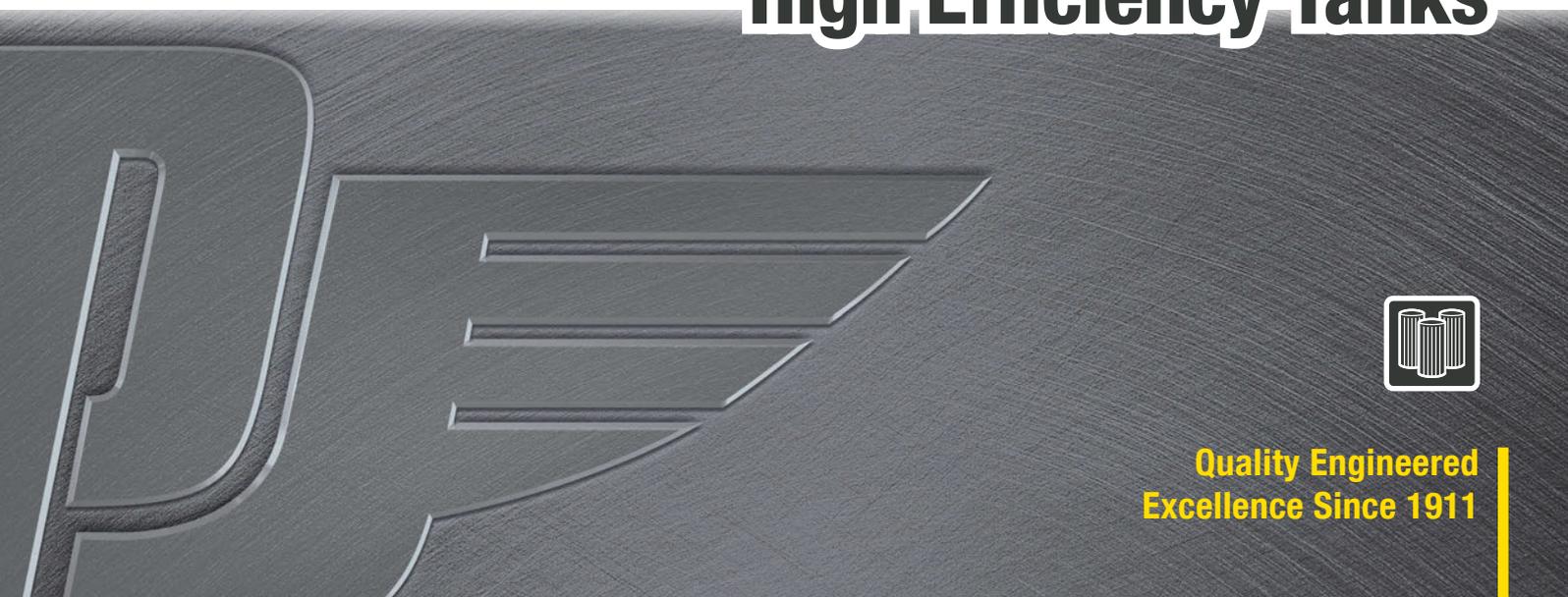


Bitumen Storage



High Efficiency Tanks



High Efficiency Tanks

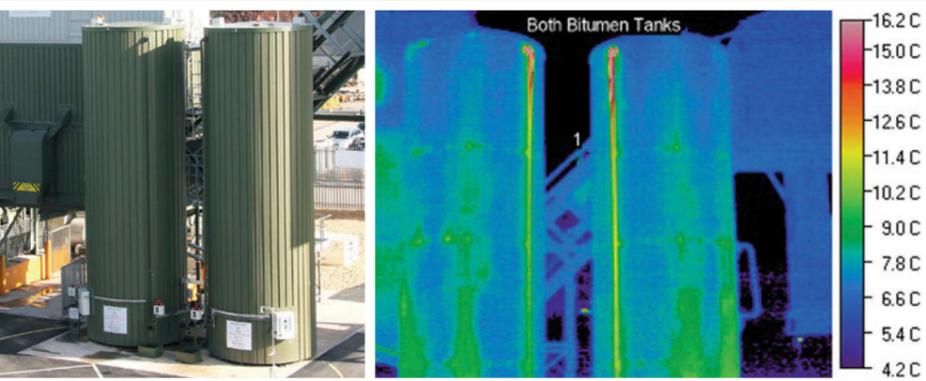


Bitumen Storage

Energy costs are high and trends would suggest a continued rise in the longer term. Within the quarrying industry bitumen storage is a significant contributor to energy usage but due to its secondary nature in the day to day operation of a coating plant it may not always be given the attention it deserves. Therefore when purchasing a new bitumen tank thermal efficiency should be an important consideration in the decision making process.

The Parker High Efficiency Vertical Bitumen Storage Tank can provide significant energy savings and reduce an operation's carbon footprint.

There is an ever increasing focus on the environmental and safety issues surrounding bitumen spillage. Parker ensure our tanks conform to industry best practice guidelines regarding safe handling of bitumen, including safe working capacity, available ullage, accurate contents gauges and high level alarms all of which greatly reduce the risk of spills occurring.



An installation with two 80t tanks.

Thermographic image of our high efficiency tanks showing minimal heat loss.

Features



Construction

Fabricated cylindrical tanks fabricated using submerged ARC welding inside and out.



Thermal Insulation

300mm of high density mineral wool lagging with staggered joints to minimise heat loss, covered with thermal foil for improved heat retention and to provide a weather proof barrier.



External Cladding

Externally clad using low maintenance plastic coated profiled sheeting and with a domed roof section encapsulating the external tank cladding.



Heating Technology

High quality ceramic heating units designed to maximise heat transfer to the product incorporated in a totally enclosed heating nest, easy to maintain and replace.



Tank Fittings

All tanks incorporate a guided radar level indicator and high/low level audio and visual alarms. Optional agitators for PMB storage, ladders, walkways and platforms can be offered.



Pump & Pipe Work

The tanks are supplied complete with fill point contents information and traffic light indicators. Optional bespoke pipe work installations and telemetry systems can be offered.

Technical Specifications

		Units	High Efficiency Vertical Bitumen Storage Tanks							
Safe Working Capacity*	Tonnes		30	40	50	60	70	80	90	100
Dimensions										
Overall Height	A	m	6.52	8.22	9.71	11.19	12.90	14.61	13.25	14.62
		inches	256 3/4"	323 3/4"	382 1/4"	440 1/2"	508"	575 1/4"	521 3/4"	575 1/2"
Overall Diameter	B	m	3.61	3.61	3.61	3.61	3.61	3.61	3.97	3.97
		inches	142 1/4"	142 1/4"	142 1/4"	142 1/4"	142 1/4"	142 1/4"	156 1/4"	156 1/4"
Heating System										
Total Load	kW	45	45	45	45	45	60	60	60	
Switching Stages	Unit	3	3	3	3	3	3	3	3	
Elements	Unit	9	9	9	9	9	12	12	12	
Siting Details¹										
Base Diameter	m	3.00	3.00	3.00	3.00	3.00	3.00	3.35	3.35	
	inches	118 1/4"	118 1/4"	118 1/4"	118 1/4"	118 1/4"	118 1/4"	132"	132"	
Other Information										
Lagging Depth	mm	300	300	300	300	300	300	300	300	
	inches	12"	12"	12"	12"	12"	12"	12"	12"	
Complies With RBA Guidelines	-	●	●	●	●	●	●	●	●	

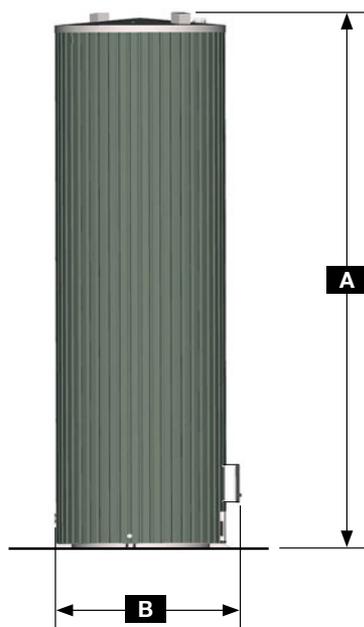
Key:

● = Standard equipment

Note: Table excludes higher capacity tanks, which are available in sizes up to 200 tonnes. Please contact Parker for further details.

* Is the maximum safe storage capacity based on the stored product having a specific gravity of 0.92.

¹ Ground loading information available on request.



Benefits

- Designed and built to provide minimal heat loss
- Highly efficient electric or thermal oil heating options are available
- Constant thermostatic control with high temperature lock out
- Constant monitoring of contents with high level audible and visual alarms
- High quality lagging and cladding system to minimise heat transfer and prevent the ingress of water which would reduce thermal efficiency

DEALER STAMP

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