

PLANTS

COMPLEMENTARY PRODUCTS FOR THE ASPHALT PRODUCTION

BITUMEN PROCESSING, STORAGE
AND HEATING SYSTEMS



READY FOR TODAY AND TOMORROW
EASY UPDATES THROUGH SMART DESIGN

AMMANN

MODITEK

High capacity Polymer Modified Bitumen plant

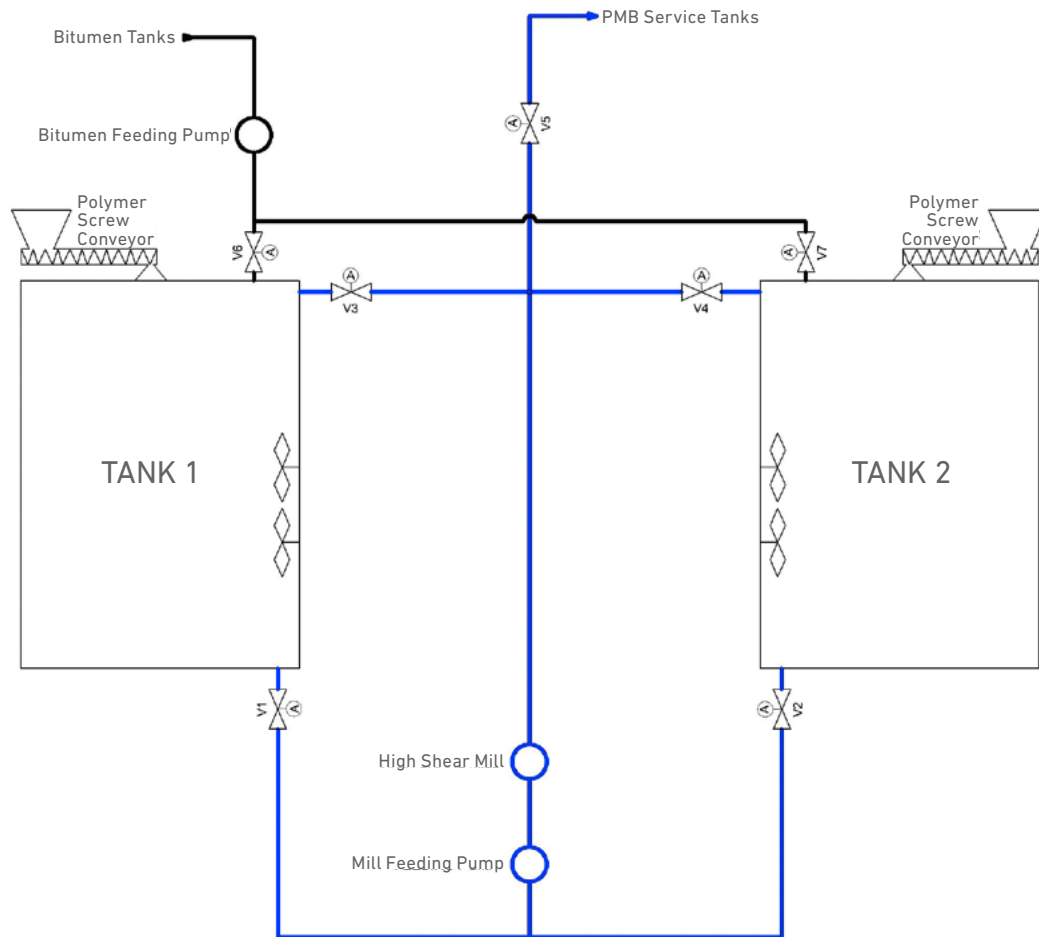
The ModiTEK is a fully automatic, easily transportable polymer-modified bitumen plant. With a capacity up to 30 t/h, the ModiTEK is the perfect match for all markets. The plant offers complete flexibility with different mix designs and recipes.

HIGHLIGHTS

- Up to 30 t/h capacity;
- High shear mill with gap adjustment;
- Fully automated controls and reporting by SCADA-based software over PLC;
- Remote customer service online;
- Flexibility for different mix designs and recipes;
- Easily transportable, fits into a container;
- Polymer feeding with a screw conveyor or silo.

■ ■ **FOR CONTRACTORS
OF HIGHWAYS,
BRIDGES, AIRPORTS,
VIADUCTS AND DENSE
TRAFFIC ROADS.** ■ ■



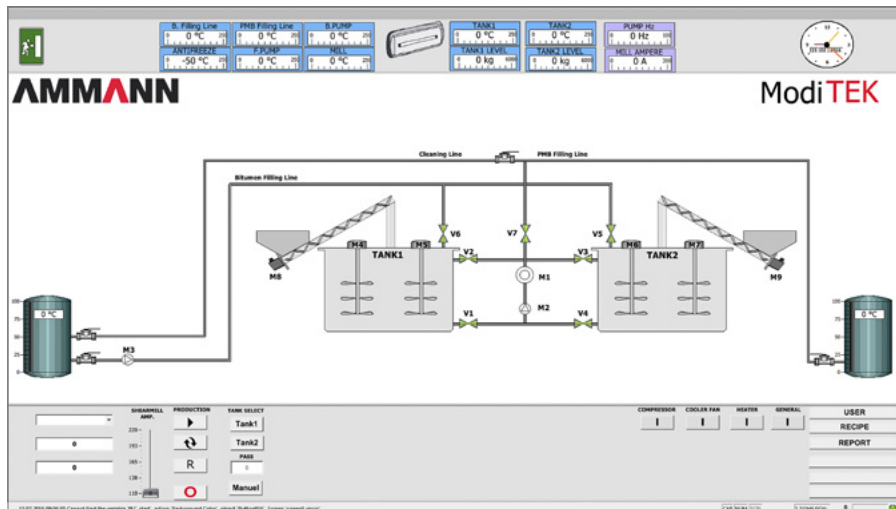


POLYMER MODIFIED BITUMEN

Used wherever extra performance and durability are desired.

HIGHLIGHTS

- Provides high skid resistance;
- Reduces noise levels;
- Improves performance under heavy traffic conditions;
- Delays cracking and reflective cracking;
- Increases fatigue life;
- Durable in extreme climatic conditions and high rainfall regions;
- Rutting resistance;
- Prevents thermal cracking and stripping;
- Provides resistance to rapid temperature changes;
- Optimises maintenance costs.



Pneumatic system



High shear mill



Loadcell system

MODITEK TECHNICAL SPECIFICATIONS

HIGH SHEAR MILL	1500 rpm; soft starter controlled
HEATED TANKS	on load cell weighing systems
GRAPHITE BASED SOFT SEALS	for mill with water cooling system
INVERTER CONTROLLED MILL FEEDING PUMP	with 50 m ³ /h capacity
PNEUMATIC VALVES	in all piping
BATCH TANK	with 7 m ³ capacity with 60 mm rock-wool insulation, heating lines and dual agitators
TOUCH SCREEN MONITOR	for full automatic operation
STATISTICAL DATA	reporting and archiving

OPTIONS

Electrical or thermal oil heating
Screw conveyors on load cells
10 m ³ big bag polymer silo with screw conveyors on load cells
Separate control cabin
AS1 computer integration



EMULTEK 15

High capacity emulsion plant

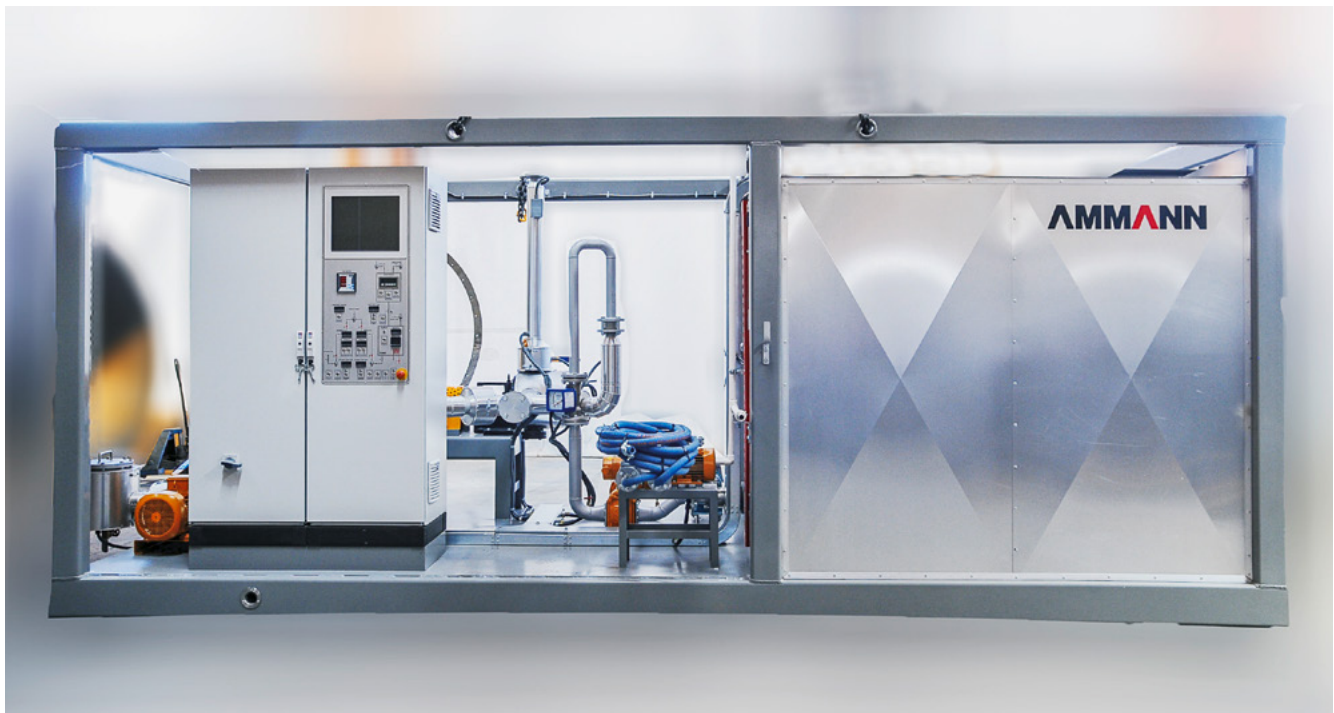
The EmulTEK 15 is the perfect solution for big projects. The bitumen emulsion plant offers top flexibility with various mix designs and recipes. Its compact dimensions make the EmulTEK 15 easy to transport to different job sites.

USAGE OF EMULSIFIED BITUMEN

- Tack coat between the binder and the wearing courses;
- Prime coat;
- Surface dressing;
- Slurry seal;
- Micro surfacing.

HIGHLIGHTS

- Up to 15 t/h capacity;
- Fully automated control and reporting system by SCADA-based software over PLC;
- Flexibility for different mix designs and recipes;
- Hot water inlet;
- Automatic cleaning system;
- Remote customer service via the internet;
- Easily transportable, suitable for a container.

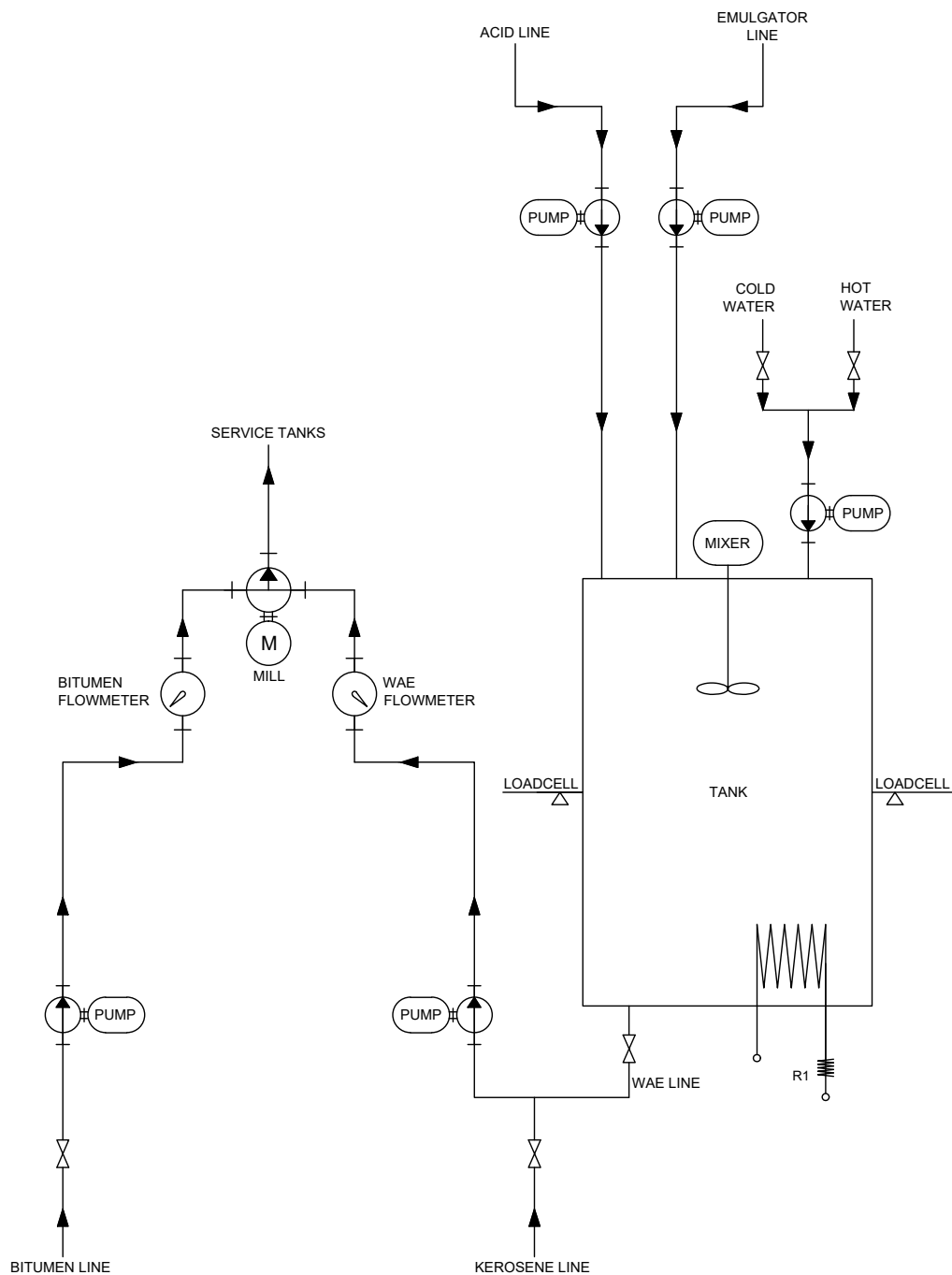


EMULTEK 15 TECHNICAL SPECIFICATIONS

OPERATION POSSIBILITIES	semi-automatic or automatic
COLLOIDAL MILL	
STAINLESS STEEL PREMIX TANKS	on load cells
HEATING LINES	for rapid heating of water
STAINLESS STEEL PUMP AND FLOW METER	
BITUMEN FLOW METER	with a heated body
BARREL PUMP	for additional safety
TOUCH SCREEN MONITOR	

OPTIONS

Electrical or thermal oil heating
Additional kerosene / diesel feeding line
Separate control cabin
Additional additive lines
In-line production
Automatic PH measuring



EMULTEK 4

Flexible emulsion production at every jobsite

With its compact design and simple operation, EmulTEK 4 is the perfect solution for a variety of job sites. The system is easy to transport and offers many solutions to the different emulsion needs.

USAGE OF EMULSIFIED BITUMEN

- Tack coat between the binder and the wearing courses;
- Prime coat;
- Surface dressing;
- Slurry seal;
- Micro surfacing.

HIGHLIGHTS

- Up to 4 t/h capacity;
- Semi-automated control and reporting system by SCADA-based software over PLC;
- Colloidal mill;
- Flexibility for different mix designs and recipes;
- Easily transportable, suitable for a container;
- Hot water inlet.



Bitumen flow meter



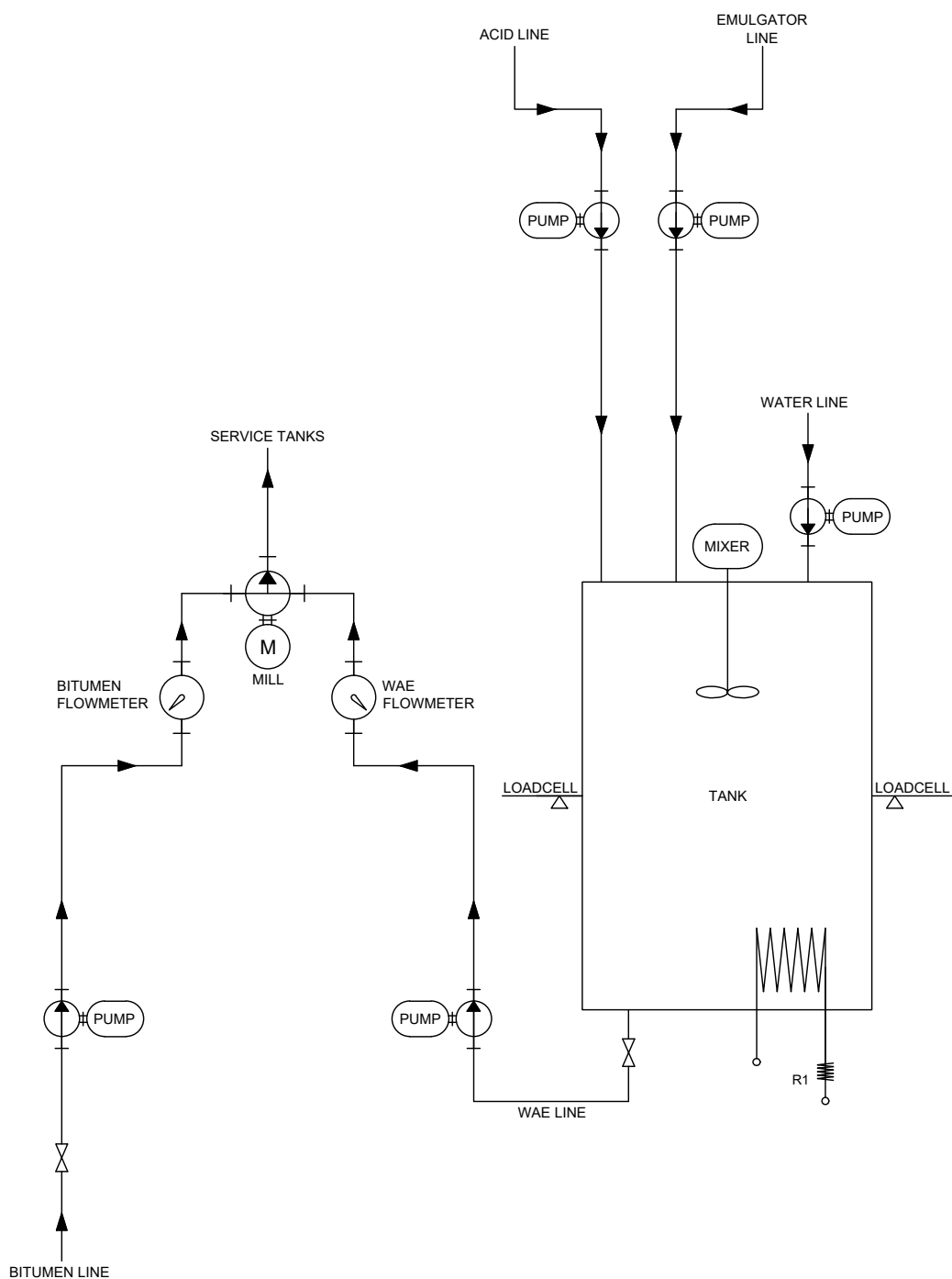
Bitumen – WAE mixing

EMULTEK 4 TECHNICAL SPECIFICATIONS

STAINLESS STEEL PREMIX TANKS	on load cells
HEATING LINES	for rapid heating of water
STAINLESS STEEL WAE PUMP AND FLOW METER	
BITUMEN FLOW METER	with a heated body
BARREL PUMP	for additional safety

OPTIONS

Electrical or thermal oil heating
Additional kerosene / diesel feeding line
Additional additive lines
Automatic PH measuring



HEATTEK

Thermal oil heating system

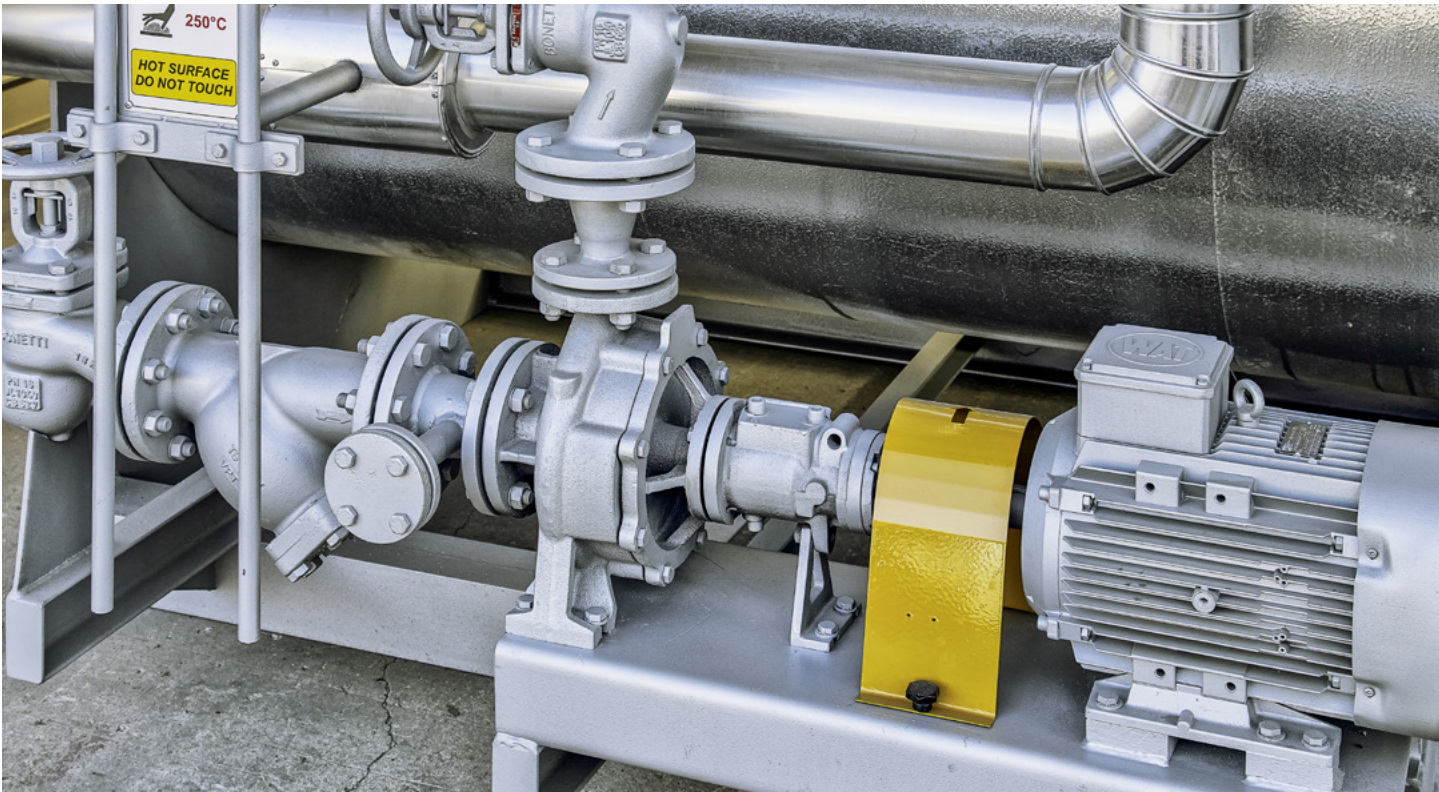
The HeatTEK system is the fastest solution to generate heat for bitumen handling. The intelligent system is the perfect solution for all customers who have easier access to different fuel types than electricity.

HIGHLIGHTS

- From 200 000 kcal/h to 2 000 000 kcal/h capacity;
- Double line, double pipe heating coil;
- Suitable with a burner for all fuel types;
- Complete system with expansion tank and circulation pumps;
- High-pressure switches for increased safety.

“ FOR CUSTOMERS WHO
HAVE EASIER ACCESS
TO DIFFERENT
FUEL TYPES THAN
ELECTRICITY. ”





Hot oil circulation pump



Safety system

DRUMTEK

Highly efficient drum melting system

With two models, DrumTEK offers high-capacity bitumen melting technology. It is the perfect solution for customers who have easier access to bitumen supply in drums.

ADVANTAGES

- Enables diversity for bitumen supply;
- Enables the stock bitumen during the low season.

HIGHLIGHTS

- Up to 10 t/h melting capacity;
- Hydraulic barrel lifting mechanism;
- Barrel chambers with dedicated thermic oil lines;
- Bottom reservoir for bitumen storage;
- Easy transportation, fits into a container.



DRUMTEK TECHNICAL SPECIFICATIONS

DIFFERENT MODELS	with 26–30 barrel capacity
12 TONS OF BITUMEN STORAGE	with heating lines
INSULATION COVERS THE ENTIRE BODY	60 mm rock wool
BITUMEN DISCHARGE PUMP	50 m ³



Inner view



Heating lines



Drum loading



Lifting mechanism

MOBILE BITUMEN TANK

The best solution for fast moving customers



HIGHLIGHTS

- 30 to 80 m³ capacity;
- Insulation up to 200 mm;
- Overflow protection with a level sensor.

OPTIONS

- Electrical or thermal oil heating
- Direct heating
- Combination with diesel and heavy oil tanks
- Circulation for PMB and Emulsion
- Multiple sections for different types of products

MECHTEK

Sub base production at its best



HIGHLIGHTS

- Up to 800t/h capacity;
- Wear-resistant mixer;
- Fully automatic operation with SCADA-based software;
- Configurable additive systems.

OPTIONS

- Cement, emulsion or foam additive systems
- Dosing system on load cells
- Hardox / Amdurit protection

BITUTAINER – CONTAINERIZED BITUMEN TANK

Lowest transportation cost for bitumen storage and handling

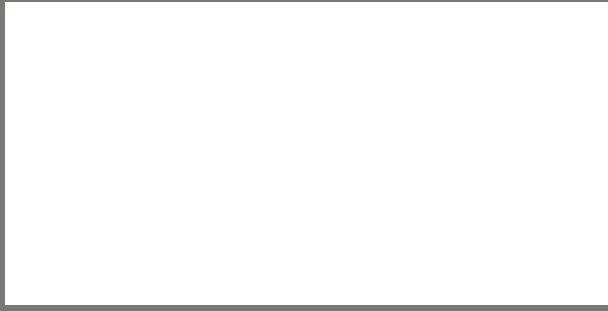


HIGHLIGHTS

- Save transport costs in international and local projects with convenient transport;
- Strong and durable body for impacts during relocation;
- Opportunity to put one on top of the other and stockpile;
- Low erection cost. No need for steel foundations, anchorage, or slope wall.

OPTIONS

Electrical or thermal oil heating
Circulation for PMB and Emulsion



For additional product information
and services please visit:
www.ammann.com

