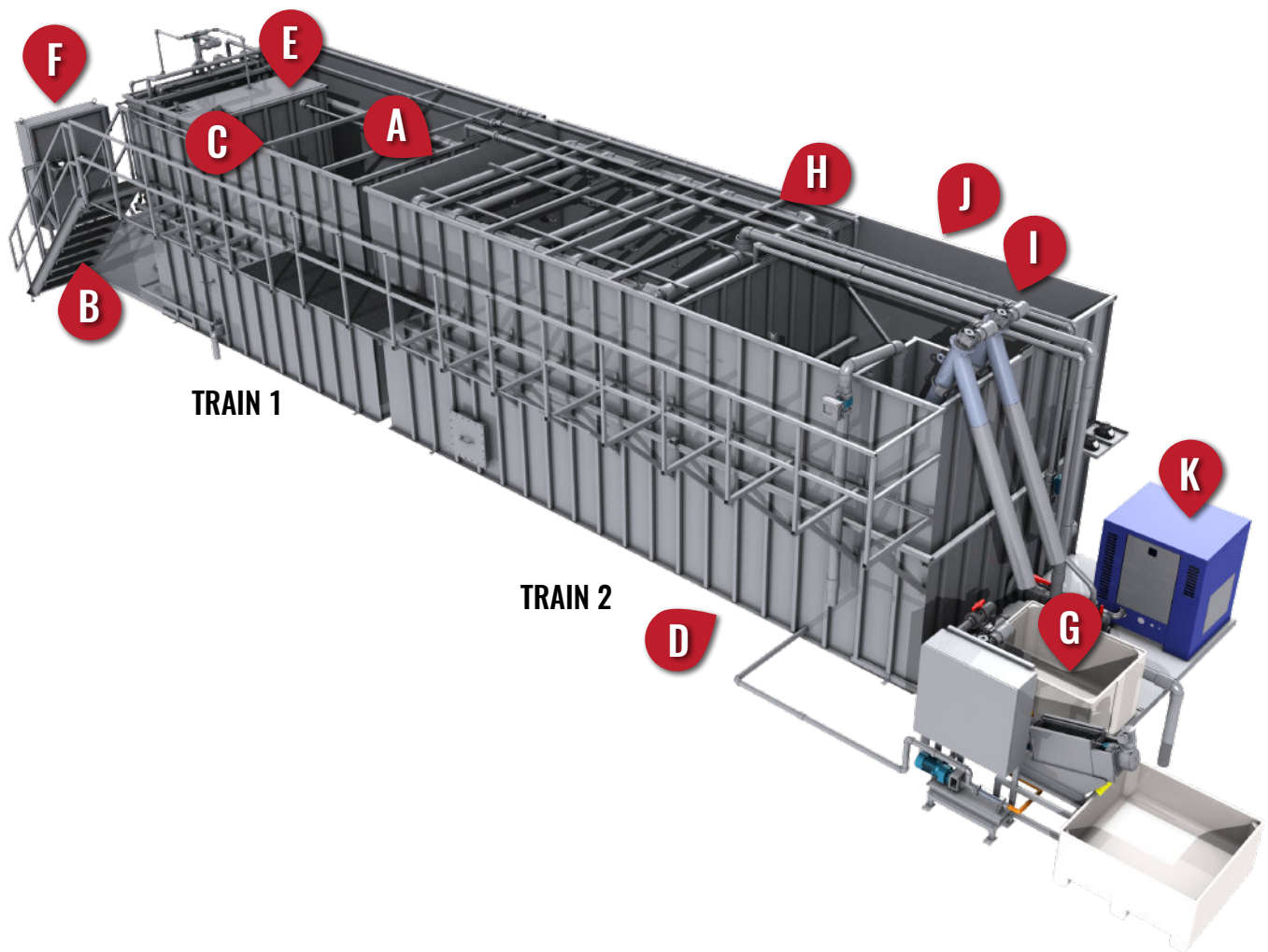


MEMPAC™ - I (INDUSTRIAL)



- A:** Trains can be arranged in multiple configurations
- B:** Aluminum stairs and platform (Optional full catwalk and stairs shown)
- C:** All sensory equipment is mounted on the Cloacina Slide Rail System and is accessible from the inspection platform
- D:** Corrosion-resistant 304 stainless steel tankage and components come standard
- E:** Membrane filtration equipment is factory-installed and wet tested prior to shipping

- F:** Electrical panel and controls system are factory-installed and tested prior to shipping
- G:** Optional dewatering press
- H:** Primary treatment for robust Biochemical Oxygen Demand (BOD) reduction
- I:** Influent screening can be customized for the Client's specific waste characteristics
- J:** Optional sludge storage chamber
- K:** Semi-sound attenuated blowers

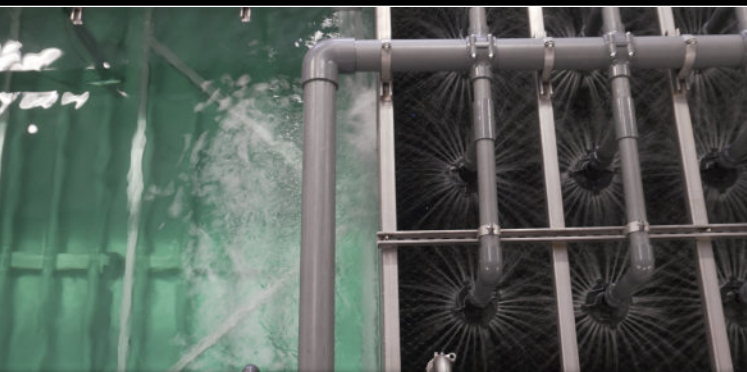
Prior to delivery, clients will be given exact connection points for power, communication, influent, effluent and WAS.

HANDLES EXTREME LOADING, SOLIDS AND HIGH-STRENGTH WASTE

PRODUCT DESCRIPTION



The MEMPAC™-I is a multi-process system designed to handle extreme loading, solids and high-strength waste from industrial clients including wineries, breweries and other food and beverage manufacturers. The MEMPAC-I includes the screening, primary treatment, activated sludge and membrane clarification necessary to stabilize fluctuating influent strength and loading while improving downstream treatment and performance. Unlike activated sludge plants that utilize a traditional clarifier, membrane treatment does not allow solids to carry over into the effluent. Every MEMPAC-I is custom engineered for the Client's specific waste stream, discharge requirements and their beneficial reuse or Direct Industrial Reuse needs.



TYPICAL INFLUENT PARAMETERS			
CONSTITUENT	VALUE	UNITS	NOTES
Flow	1,000-100,000	GPD	
TSS	0 - 1,500	mg/L	
BOD5	0 - 15,000	mg/L	
pH	5.0 - 10.0		
Temperature	41 - 68	°F	Average

TYPICAL EFFLUENT PARAMETERS			
CONSTITUENT	VALUE	UNITS	NOTES
TSS	<10	mg/L	
BOD5	<10	mg/L	
pH	6.0 - 8.0		After correction
TDS			Not addressed in process

TYPICAL APPLICATIONS
High-strength, industrial process waste from wineries, breweries and other food and beverage producers