



Reactor Equipment

Reactor #1 K1

Minimum Operational Capacity	Maximum Capacity	Agitated?	Material of Construction	Temperature Control	Vacuum	Chemicals Piped in Currently	Ventilation/Collection
2500 gals	3000 gals	Yes	Stainless steel vessel and coils	Internal/segmented cooling/heating coils	Rated full	Phenol/ Formaldehyde/ methanol/water	Vented to an RTO

Notes:

- Additional dry/wet ingredients can be vacuumed into the reactor.
- Equipped with 7psi rupture disk.
- Distillation and reflux available.

Reactor #2 K2

Minimum Operational Capacity	Maximum Capacity	Agitated?	Material of Construction	Temperature Control	Vacuum	Chemicals Piped in Currently	Ventilation/Collection
400 gals	1000 gals	Yes	Stainless steel vessel	External heating/cooling jacket	Could be added.	Formaldehyde/water piped in. Dry powder added with auger.	Vented to an RTO

Notes:

- Equipped with dry ingredient slide gate.
- Dimple jacket and side wall with complete circumference.
- The mixer has 2 sets of blades. Both are 3 flat bi-directional blades per set.
- Minimum RPM = 10 & Maximum RPM = 100

Reactor #3 K3

Minimum Operational Capacity	Maximum Capacity	Agitated?	Material of Construction	Temperature Control	Vacuum	Chemicals Piped in Currently	Ventilation/Collection
250 gals	400 gals	Yes	Stainless steel vessel	External heating/cooling jacket	Not plumbed.	Formaldehyde/water piped in. Dry powder added with auger.	Vented to an RTO