

Unique injection technology for unique sanitary ware quality



- ✓ High filler content: ~ 80 kg CaCo3 / 20 kg of resin
- ✓ Alumina trihydrates (ATH) mix capability for solid surface products
- ✓ Both injection & casting process capability
- ✓ Output : + 10 kg/min in injection
- ✓ Perfect metering and mixing of catalyst
- ✓ Degassed material: no porosity, no air entrapment in parts
- ✓ Allows thickness reduction of product
- ✓ Allows for a faster filling of the mould
- ✓ No finishing needed after demoulding
- ✓ Increased productivity
- ✓ Vacuum handling of fillers
- ✓ Vacuum handling of resin
- ✓ No dust, no leaks, no VOC's, no more material waste for a cleaner working area
- ✓ Easy & fast mixing head cleaning with air/solvent /air cycle
- ✓ Compact design: less than 6M2



1 ton Resin Eco Container

200l Resin Buffer drum

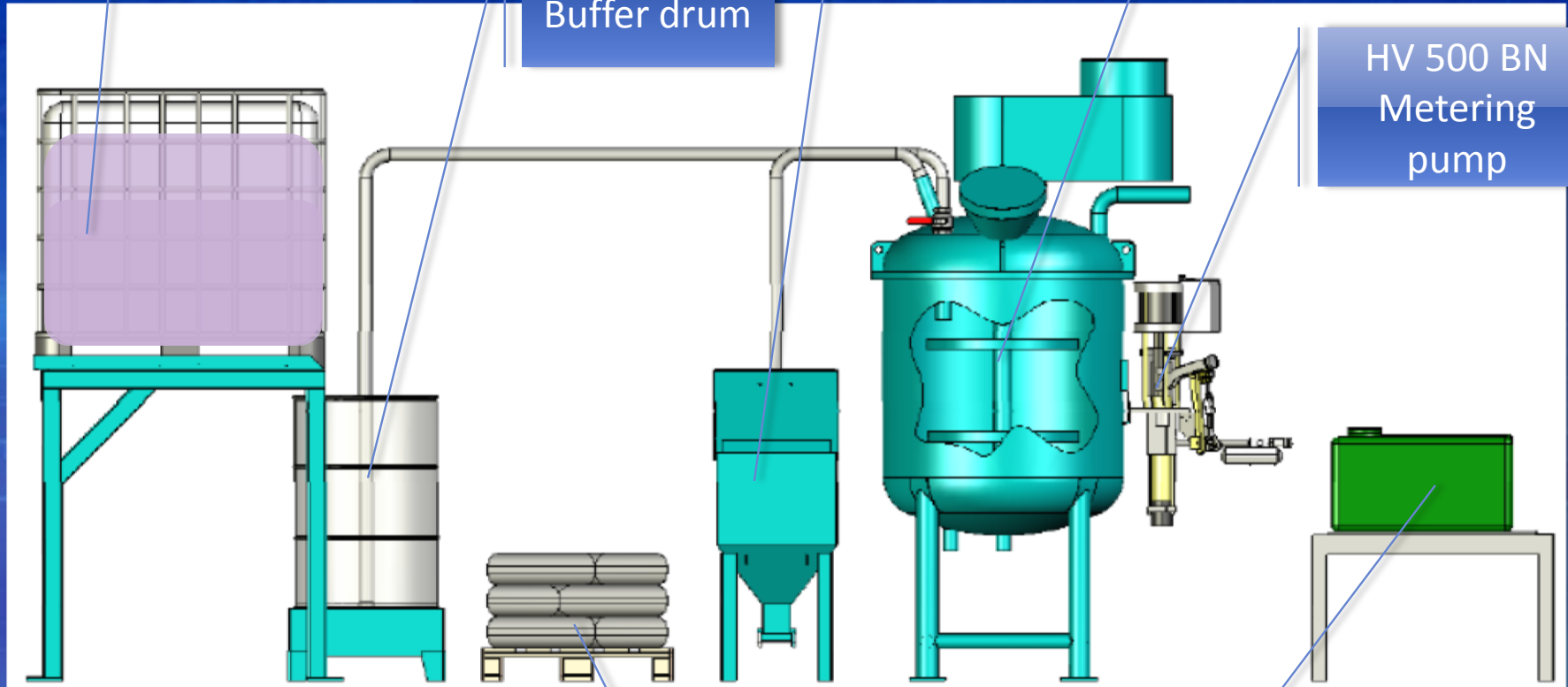
CaCo 3 Hopper

400l Mixer

HV 500 BN Metering pump

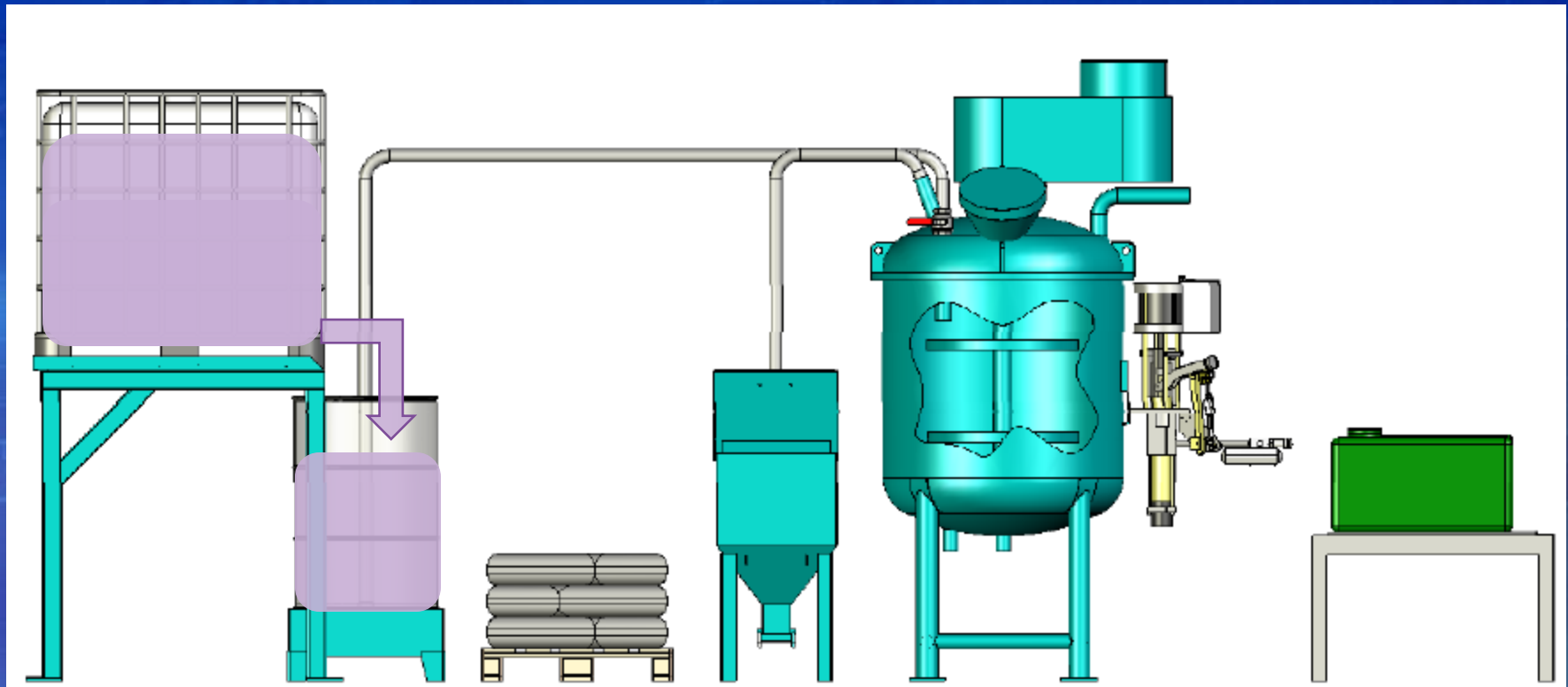
CaCo 3 Pallet

Mould

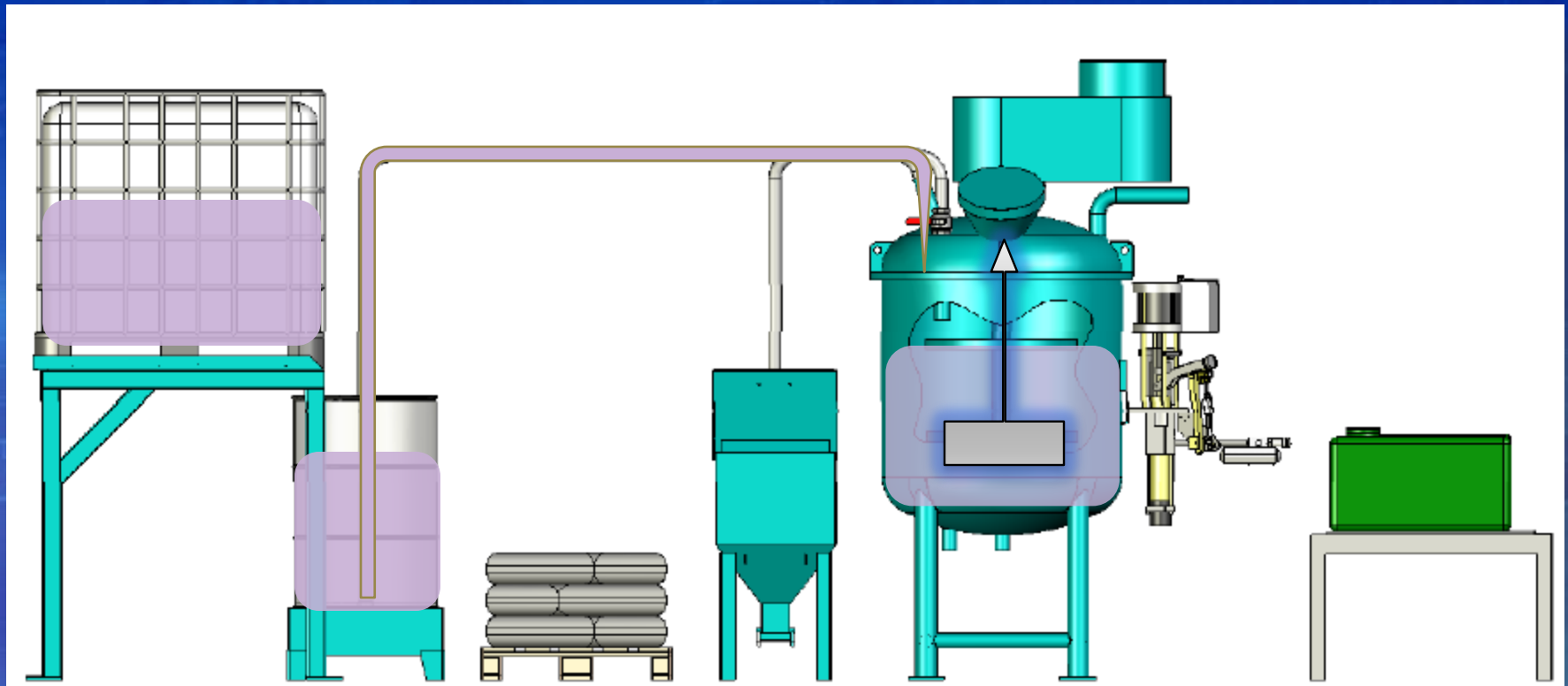


- Transfer from container

- Quantity measurement in graduated 200L drum

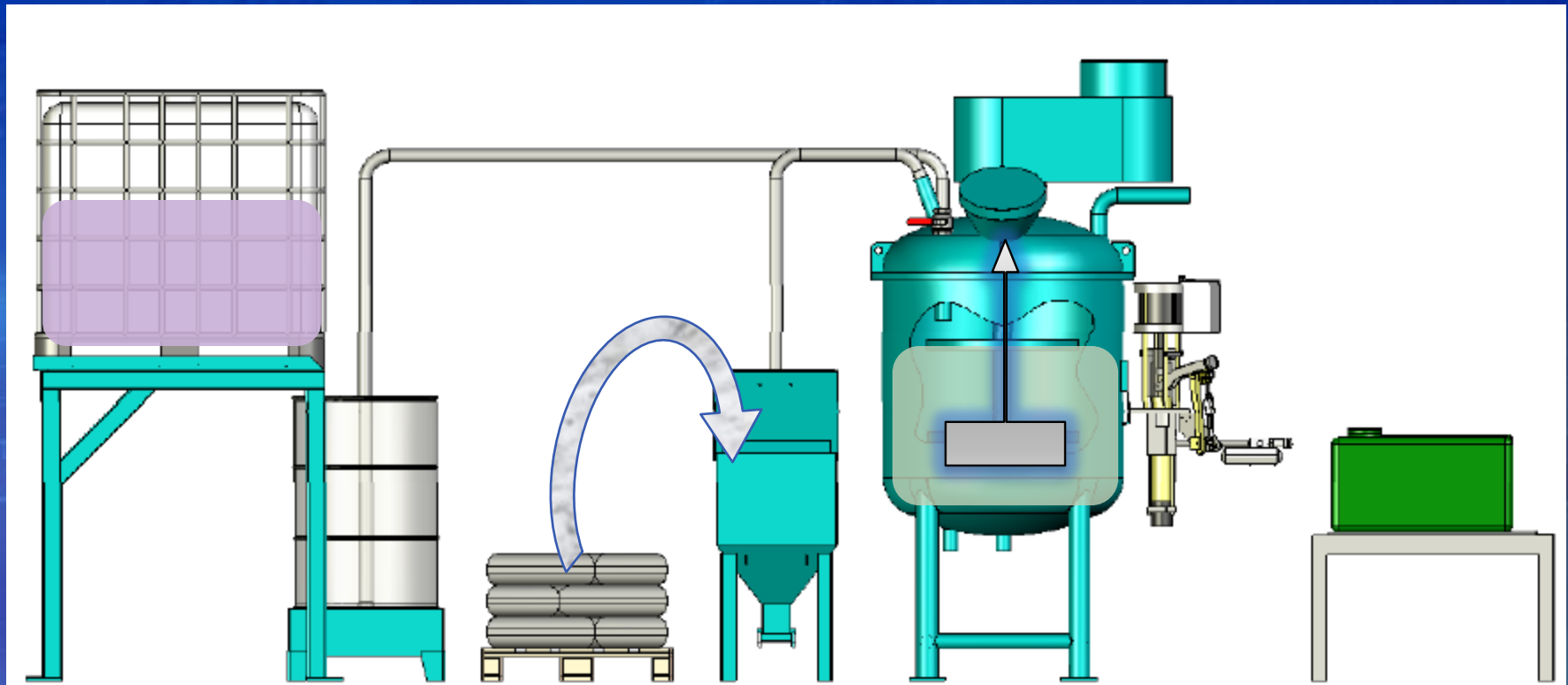


- Transfer by vacuum to 400L mixing tank



- Open quantity of Filler bags for a complete 400l batch

- Cast Fillers in the Hopper



Mixing

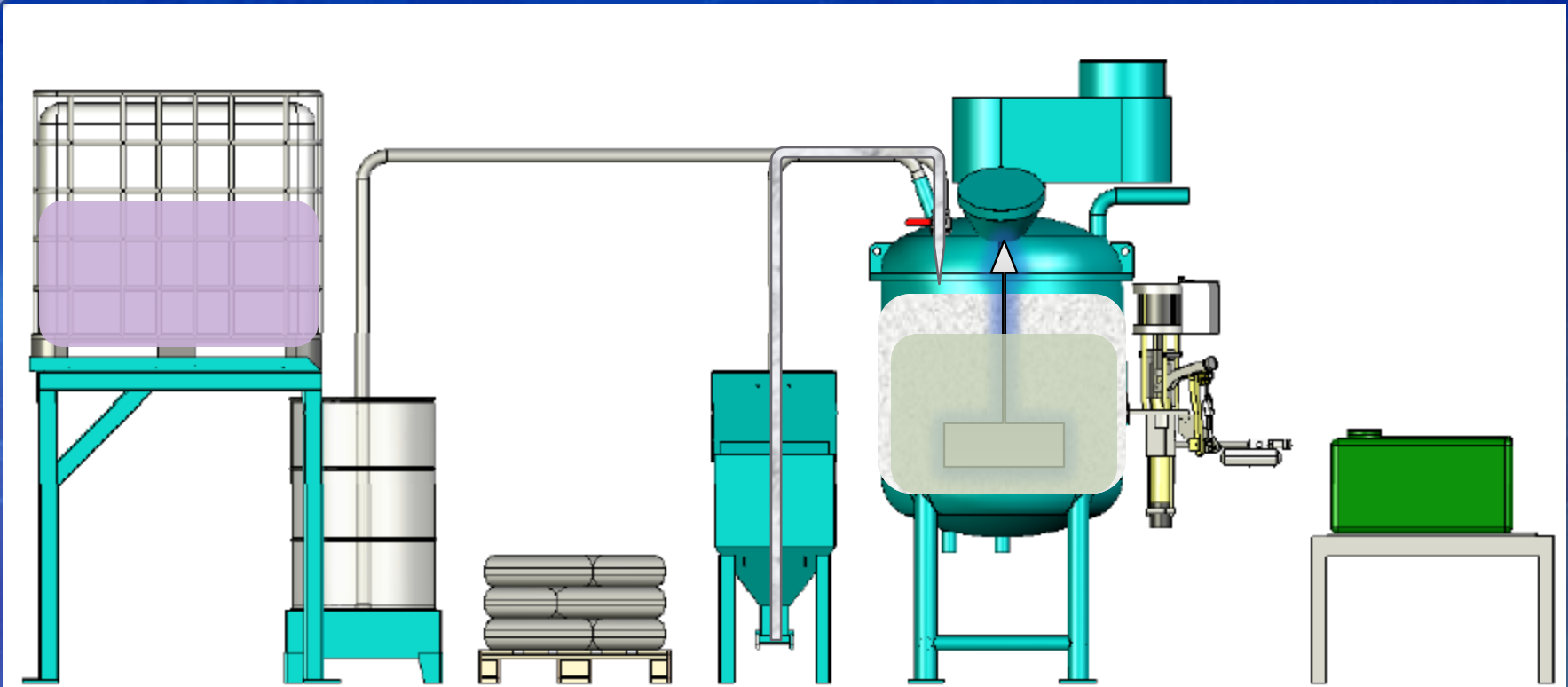
- Fillers are incorporated progressively

Mixing

- Mixer speed is raised progressively

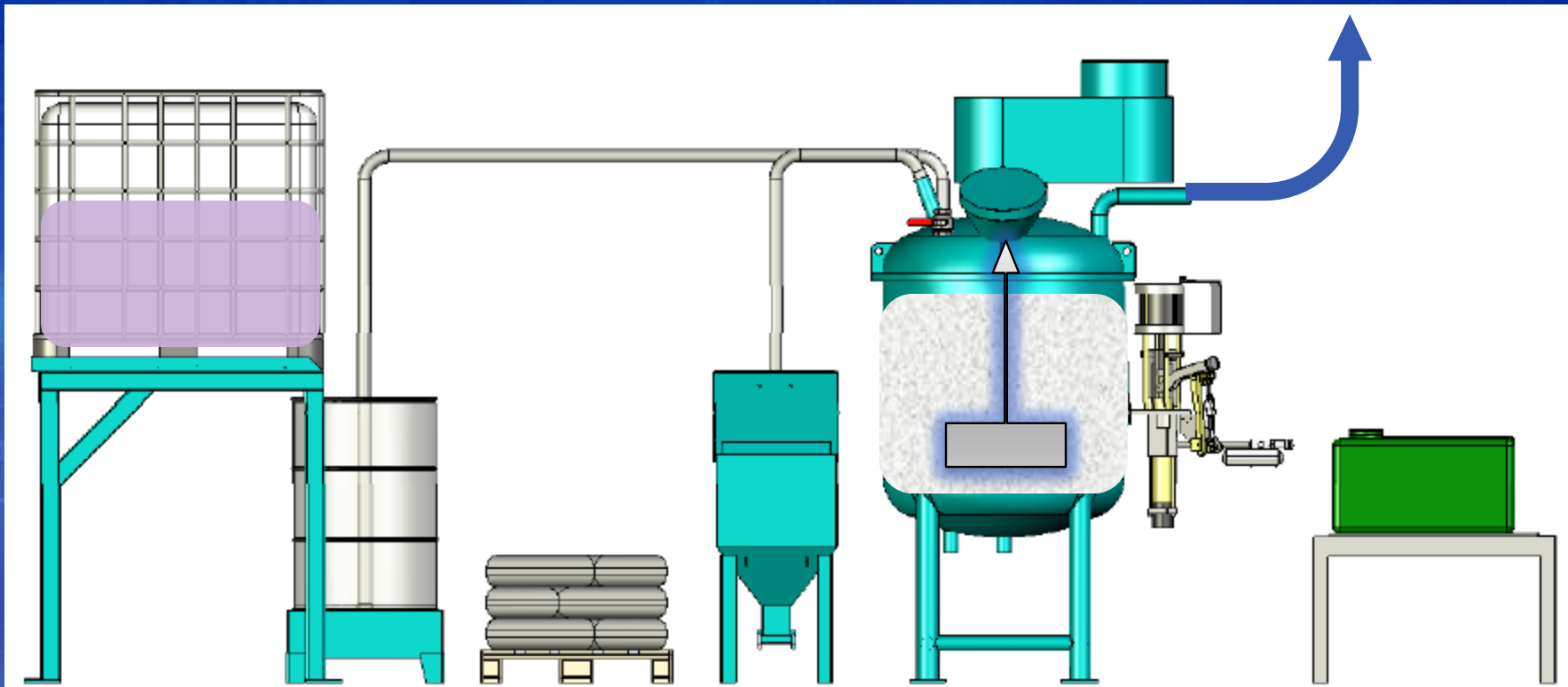
Mixing

- Quality of mix is checked by opening man hole

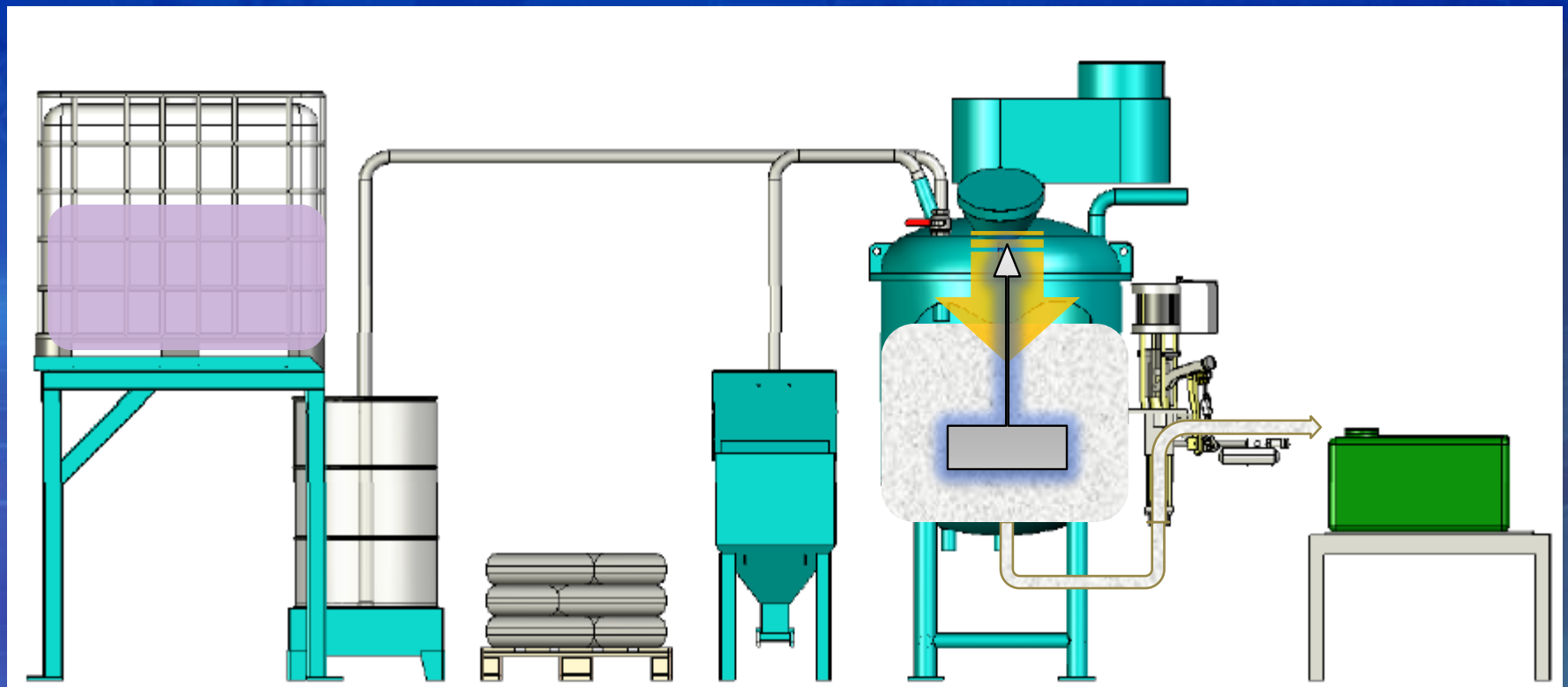


- Tank is set under vacuum for degassing

- Vacuum is released when material is degassed



- Pressure is applied on tank for pump feeding



Connection

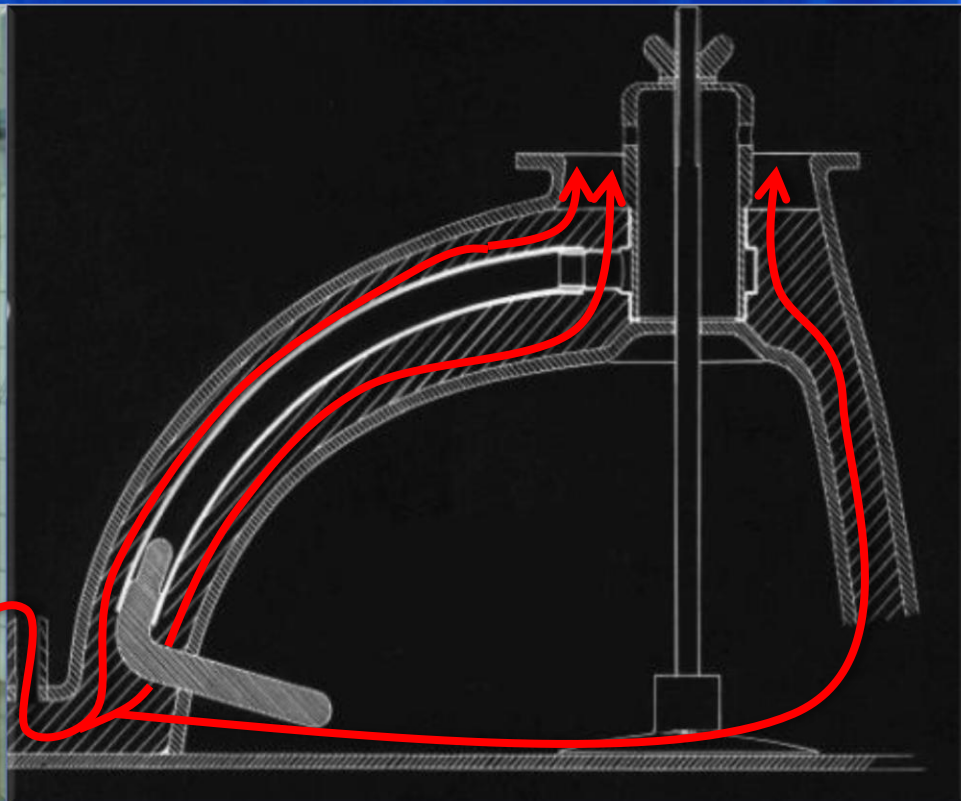
- Pipe is connected to mould

PMEC
Metering

- Gun opens and polyconcrete is mixed with catalyst

Injection

- Material fills mould from bottom to upper side to prevent air entrapment





Option

- Twin-tank configuration for continuous process



Option

- Automatism with mould recognition for better repeatability



Option

- Additional tank for special formulas or colors



Option

- Horizontal tank for premix material



Complementary Applications

- Manual or Robotic Gelcoat spray-up