

THE HOPPER DESIGN EXPERTS



Tank Connection designs, manufactures and installs more large hopper bottom silos than any other tank manufacturer.



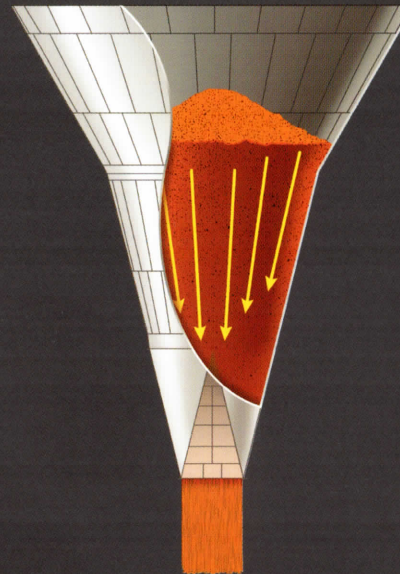
TANK CONNECTION SPECIALIZES IN MATERIAL FLOW DISCHARGE SYSTEMS

Tank Connection is recognized as the design and fabrication experts for functional mass flow storage systems. Flow testing depicts that functional mass flow discharge can be achieved with reduced hopper slopes by utilizing Tank Connection's proprietary fusion bond coating system. Reduced hopper slopes equate to cost savings for the client. Tank Connection remedies the storage problems of the past by prescribing the correct variables of hopper slope, outlet size, outlet configurations, materials of construction and surface finish, active flow-aid devices, passive flow-aid devices, internal and external coatings systems, applicable codes and the correct flow type required for reliable material flow. Some standard hopper product offerings include:

- Functional mass flow
- Funnel flow
- Expanded flow
- Active/vibratory discharge
- Typical hopper slopes: 45° to 70°
- Numerous configurations of fluidized hopper designs
- Custom slopes
- Custom design chisel hopper designs
- Hopper capacities from 1,000 – 125,000 ft³

FUNCTIONAL MASS FLOW DESIGN

- Smooth, steep hopper
- First-in, first-out
- Fine powders deaerate
- Segregation problems are minimized
- Material is fed uniformly at constant density



FUNNEL FLOW DESIGN

- Lower headroom
- First-in, last-out
- Lower storage cost
- Excellent for coarse, free-flowing materials

