



Basics of Operation

In the most basic terms, briners function to convert salt and water into saturated brine on a continuous basis. The three elements necessary to produce saturated brine are salt, water, and sufficient time for conversion. This is true regardless of briner configuration or the intended use of the brine.

BASICS OF OPERATION

1. Salt is loaded into the briner either pneumatically, manually, or with bulk bags
2. Dust is captured during the pneumatic loading process to prevent corrosion in the surrounding area
3. Water level is maintained either automatically or manually to assure brine availability
4. The 2 x 1 water inlet assembly distributes water on top of the salt mound
5. Salt level is monitored and maintained to assure that only saturated brine is delivered to process
6. The pressure relief prevents over-pressurization of the vessel
7. The inspection port allows for vessel inspection without the need to remove the top manway cover
8. Brine is captured and delivered via the 2" collection plenum
9. A 2" drain with screen allows for draining the briner for maintenance purposes
10. A 24" side manway provides for ease of access for installation and maintenance

STANDARD FEATURES

4" SS Salt Fill Line	8" Vent Connection with Dust Bag	2" Brine Collection Plenum
24" Top Manway	8" SS Pressure Relief Inspection Port	2" Drain
2 x 1 Water Inlet	24" Side Manway	

OPTIONS

Water Level Control System	Salt Level Indication System	Brine Concentration Monitor
Freeze Protection System	Fiberglass Access Ladder with Safety Deck	Seismic Design & Calculations
Gravel Bed	Dust Bag Housing	Spare Dust Bags
Food Grade Materials	NSF 61 Certified Vessel	Day Tanks