



Helpful Salt and Brine Data

Brine Production Rates (as provided by Morton Salt)

Type of Salt	10' Ø Briner	12' Ø Briner
Northern Rock Salt	20 gpm	25 gpm
Southern Rock Salt	20 gpm	25 gpm
Vacuum Granulated Salt	40 gpm	50 gpm
Solar Salt	20 - 40 gpm	25 - 50 gpm
Purex / Culinox	40 gpm	50 gpm

Brine Production Rate is defined as the rate at which a specific type of salt will convert into saturated brine at ambient temperature

Facts about Saturated Sodium Chloride Brine*

- One gallon of saturated brine weighs 10.027#
- One gallon of saturated brine contains 2.647# of salt
- One gallon of water will produce 1.13 gallons of saturated brine
- One gallon of water will dissolve 2.991# of salt
- One ton of salt will produce 755.5 gallons of saturated brine
- Salt typically has a 40% - 44% void space

*High purity sodium chloride in water at 60°F

Gravel Bed Requirements

Briner Diameter	7" of 1/4" x 1/2" Graded Gravel	5" of 1/8" x 1/4" Graded Gravel
5'	12 cu'	9 cu'
6'	17 cu'	12 cu'
7'	23 cu'	16 cu'
8'	30 cu'	21 cu'
9'	37 cu'	27 cu'
10'	46 cu'	33 cu'
11'	56 cu'	40 cu'
12'	66 cu'	47 cu'

Gravel is generally sourced locally by the end user to minimize shipping costs but we will gladly supply as part of our package

