

MODEL NUMBER	FG1410	FG1424	FG1430	FG1220	FG1215	FG1212	FG1212FT	FG1015	FG1021	FG0915	FG0815	FG0812	FG0809	FG0712	FG0709	FG0706
TANK OUTSIDE DIAMETER (FT.)	14.5	14.5	14.5	12.5	12.5	12.5	12.5	10.4	10.4	9.3	8.3	8.3	8.3	7.3	7.3	7.3
TANK OVERALL HEIGHT (FT.)	17.0	27.0	34.0	26.0	21.0	18.0	13.0	21.0	27.0	17.5	17.5	14.5	11.5	13.5	11.5	8.5
TANK INSIDE DIAMETER (FT.)	14.0	14.0	14.0	12.0	12.0	12.0	12.0	10.0	10.0	9.0	8.0	8.0	8.0	7.0	7.0	7.0
ST. WALL HEIGHT (FT.)	10.0	24.0	30.0	20.0	15.0	12.0	12.0	15.0	21.0	15.0	15.0	12.0	9.0	12.0	9.0	6.0
INSIDE CROSS AREA (SQ. FT.)	153.9	153.9	153.9	113.1	113.1	113.1	113.1	78.5	78.5	63.6	50.3	50.3	50.3	38.5	38.5	38.5
LIQUID CAPACITY OF TANK TO TOP OF SIDEWALL OR TO SIDE ENTRY FILL PIPE (GAL.)	11514.6	27635.0	34543.8	16919.4	12689.6	10151.6	9305.7	8812.2	12337.1	6505.0	5139.7	4011.8	2883.8	3071.5	2207.9	1344.3
DESIGN WATER LEVEL (FT.)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0	3.0

BRINEMAKER SPECS USING ROCK SALT (COARSE, 50 Lbs./CU. FT.)

DRY ROCK SALT STORAGE (TONS)	7.7	61.6	84.7	33.9	19.8	11.3	9.9	13.7	25.5	10.3	8.2	5.7	1.9	4.3	1.4	1.4
TOTAL ROCK SALT STORAGE (TONS)	34.6	88.5	111.6	53.7	39.6	31.1	29.7	27.5	39.3	21.5	17.0	13.2	9.4	10.1	7.2	4.3
MAX. BRINE FLOW (GPM)	38.5	38.5	38.5	28.3	28.3	28.3	28.3	19.6	19.6	15.9	12.6	12.6	12.6	9.6	9.6	9.6
TOTAL BRINE PRODUCED WITH FULL CAPACITY OF SALT (GALS.)	26170.1	66879.2	84325.9	40590.4	29908.7	23499.7	22431.5	20769.9	29671.3	16222.8	12818.0	9969.6	7121.1	7632.9	5452.1	3271.3
VOLUME OF BRINE STORED IN TANK (GAL.)	5074.9	5074.9	5074.9	3728.5	3728.5	3728.5	3728.5	2589.3	2589.3	2097.3	1657.1	1420.4	1420.4	1087.5	1087.5	543.7
VERTICAL RISE OF SALT HEIGHT PER 48,000 Lbs. (24 TON) DELIVERY (FT.)	6.2	6.2	6.2	8.5	8.5	8.5	8.5	12.2	12.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MAXIMUM SALT LEVEL TO ACCEPT FULL 48,000 Lbs. (24 TON) DELIVERY (FT.)	2.8	16.8	22.8	10.5	5.5	2.5	2.0	1.8	7.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VERTICAL RISE OF SALT HEIGHT PER 2,200 Lbs. (SUPER SACK) DELIVERY (FT.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5	0.6	0.6	0.6	0.8	0.8	0.8
MAXIMUM SALT LEVEL TO ACCEPT FULL 2,200 Lbs. (SUPER SACK) DELIVERY (FT.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.5	13.4	10.4	7.4	10.2	7.2	4.2
VOL OF WATER PER INCH OF VERTICAL TANK HEIGHT WITHIN SALT BED (GALS./IN.)	60.4	60.4	60.4	44.4	44.4	44.4	44.4	30.8	30.8	25.0	19.7	19.7	19.7	15.1	15.1	15.1
VOLUME OF WATER PER FILL CYCLE (GALS.)	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
VERTICAL RISE IN WATER LEVEL PER FILL CYCLE (INCHES)	9.9	9.9	9.9	13.5	13.5	13.5	13.5	19.5	19.5	7.2	9.1	9.1	9.1	11.9	11.9	11.9
AMOUNT OF SALT DISSOLVED PER FILL CYCLE (Lbs.)	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	476.5	476.5	476.5	476.5	476.5	476.5	476.5
NUMBER OF FILL CYCLES TO ACIVATE "COUNT REACHED" LIGHT	30	30	30	30	30	30	30	30	30	5	5	5	5	5	5	5

BRINEMAKER SPECS USING GRANULAR SALT (FINE, 70 Lbs./CU. FT.)

DRY GRANULAR SALT STORAGE (TONS)	5.4	80.8	113.1	43.5	23.8	11.9	9.9	16.5	33.0	12.2	9.7	6.2	0.9	4.7	0.7	0.7
TOTAL GRANULAR SALT STORAGE (TONS)	43.1	118.5	150.9	71.3	51.5	39.6	37.6	35.7	52.2	27.8	22.0	16.7	11.4	12.8	8.8	4.7
MAX. BRINE FLOW (GPM)	77.0	77.0	77.0	56.5	56.5	56.5	56.5	39.3	39.3	31.8	25.1	25.1	25.1	19.2	19.2	19.2
TOTAL BRINE PRODUCED WITH FULL CAPACITY OF SALT (GALS.)	32567.2	89559.9	113985.4	53835.7	38881.3	29908.7	28413.3	27000.9	39462.9	21029.6	16615.9	12628.1	8640.3	9668.4	6615.2	3562.0
VOLUME OF BRINE STORED IN TANK (GAL.)	3880.8	3880.8	3880.8	2851.2	2851.2	2851.2	2851.2	1980.0	1980.0	1603.8	1267.2	1086.2	1086.2	831.6	831.6	415.8
VERTICAL RISE OF SALT HEIGHT PER 48,000 Lbs. (24 TON) DELIVERY (FT.)	4.5	4.5	4.5	6.1	6.1	6.1	6.1	8.7	8.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MAXIMUM SALT LEVEL TO ACCEPT FULL 48,000 Lbs. (24 TON) DELIVERY (FT.)	3.5	17.5	23.5	11.9	6.9	3.9	3.4	4.3	10.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VERTICAL RISE OF SALT HEIGHT PER 2,200 Lbs. (SUPER SACK) DELIVERY (FT.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5	0.6	0.6	0.6	0.8	0.8	0.8
MAXIMUM SALT LEVEL TO ACCEPT FULL 2,200 Lbs. (SUPER SACK) DELIVERY (FT.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.5	12.4	9.4	6.4	9.2	6.2	3.2
VOL OF WATER PER INCH OF VERTICAL TANK HEIGHT WITHIN SALT BED (GALS./IN.)	46.2	46.2	46.2	33.9	33.9	33.9	33.9	23.6	23.6	19.1	15.1	15.1	15.1	11.6	11.6	11.6
VOLUME OF WATER PER FILL CYCLE (GALS.)	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0
VERTICAL RISE IN WATER LEVEL PER FILL CYCLE (INCHES)	13.0	13.0	13.0	17.7	17.7	17.7	17.7	25.5	25.5	9.4	11.9	11.9	11.9	15.6	15.6	15.6
AMOUNT OF SALT DISSOLVED PER FILL CYCLE (Lbs.)	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	476.5	476.5	476.5	476.5	476.5	476.5	476.5
NUMBER OF FILL CYCLES TO ACIVATE "COUNT REACHED" LIGHT	30	30	30	30	30	30	30	30	30	5	5	5	5	5	5	5

EMPTY WEIGHT (LBS.)	1879.1	4047.4	4976.7	2915.8	2248.2	1847.7	1847.7	1836.2	2502.7	1625.9	1438.1	1172.1	906.1	1019.4	785.5	551.6
MAXIMUM OPERATING WEIGHT, ROCK SALT (TONS)	64.0	119.0	142.6	76.9	62.4	53.7	52.3	44.4	56.5	33.7	26.9	21.8	17.9	17.0	14.0	8.2
MAXIMUM OPERATING WEIGHT, GRANULAR SALT (TONS)	66.5	143.0	175.8	90.0	69.9	57.8	55.8	49.6	66.4	37.6	30.0	23.6	18.2	18.4	14.2	8.0

NOTES:

1. CALCULATED VOLUMES ARE BASED ON THE STRAIGHT WALL HEIGHT AS DENOTED BY THE MODEL NUMBER. INDIVIDUAL TANK MANUFACTURERS MIGHT VARY FROM THE NOMINAL DIMENSIONS USED, AS DEFINED BY THE MODEL NUMBER.
2. THE TOTAL AND DRY SALT STORAGE (TONS) FOR THE DOME TOP BRINEMAKERS, 10 FEET IN DIAMETER AND GREATER, IS BASED ON A LEVEL 1 FOOT BELOW THE TOP OF THE STRAIGHT WALL HEIGHT.
3. THE TOTAL AND DRY SALT STORAGE (TONS) FOR THE DOME TOP BRINEMAKERS, 10 FEET IN DIAMETER AND LESS, IS BASED ON A LEVEL 1 1/2 FEET BELOW THE TOP OF THE STRAIGHT WALL HEIGHT DUE TO THE SIDE FILL REQUIREMENT.
4. THE TOTAL AND DRY SALT STORAGE (TONS) FOR THE FLAT TOP BRINEMAKERS IS BASED ON A LEVEL 1 1/2 FEET BELOW THE TOP OF THE STRAIGHT WALL HEIGHT ALSO DUE TO THE SIDE FILL REQUIREMENT.
5. THE MODELS OFFERED AS STANDARDS ARE: FG0706, FG0709, FG0712, FG0809, FG0812, FG1015, FG1212, FG1215, FG1220 AND ARE SHOWN IN BOLD ABOVE.
6. THE TANK OVERALL HEIGHT VALUE IS APPROXIMATELY FROM THE BOTTOM OF THE TANK TO THE TOP OF THE FILL PIPE.
7. THE CAPACITIES CALCULATED FOR BRINEMAKERS USING GRANULAR SALT, ARE BASED ON THE BRINEMAKERS HAVING A 1 FOOT GRAVEL BED. THE CAPACITIES CALCULATED FOR BRINEMAKERS USING COARSE SALT, SUCH AS ROCK SALT, ARE BASED ON NOT USING OR NOT HAVING A GRAVEL BED.
8. THE COUNT NUMBER IS BASED ON USING UP A FULL TRUCK LOAD OF 48,000 Lbs. OF SALT FOR 12 FOOT, AND 10 FOOT DIAMETER BRINEMAKERS. THE COUNT NUMBER FOR 9 FOOT, 8 FOOT AND 7 FOOT DIAMETER BRINEMAKERS IS BASED ON A 2,200 Lbs. SUPER SACK FILL VOLUME.
9. AVAILABLE OPTIONS INCLUDE: HEAT AND INSULATION AROUND THE TANK, UP TO THE OPERATING LIQUID LEVEL, SIPHON DRAIN, SEISMIC CALCS FOR LOCAL WIND LOADS, LADDER WITH FALL PROTECTION, HANDRAIL AROUND TOP DOME, 3" THREADED NIPPLE ON TOP DOME FOR A SALT LEVEL INDICATOR (WE WILL NOT SUPPLY THE SALT LEVEL INDICATOR), SIGHT STRIPS FOR VISUAL INDICATION OF TANK CONTENTS. THESE OPTIONS MUST BE SPECIFIED IN ORDER TO QUOTE.