

# OS 3 ON-SITE GENERATOR



## Features

## Specifications

### DISPENSING SYSTEM - MultiSurface Cleaner

Dilution ratio	10:1	
RTU (Ready-to-Use) capacity (with full concentrate tank)	50 gal	190 L
Bottle Fill flow rate	1.5 gpm	5.7 lpm
Bucket Fill flow rate	3.5 gpm	13.2 lpm
MultiSurface Cleaner pH (RTU)	10 - 11.5	
Shelf life of MultiSurface Cleaner (RTU)	90 days in a closed container	

### DISPENSING SYSTEM - MultiMicro™ 200\*

Dilution ratio	7.5:1	
RTU (Ready-to-Use) capacity (with full concentrate tank)	25 gal	95 L
Bottle Fill flow rate	1.5 gpm	5.7 lpm
Bucket Fill flow rate	2.2 gpm	8.3 lpm
MultiMicro 200 pH (RTU)	6 - 8	
Shelf life of MultiMicro 200 (RTU)	7 days in a closed container	

### GENERATION SYSTEM - MultiSurface Concentrate

Generator tank capacity	5 gal	19 L
Generation rate	1 gal/hr	3.8 lph
MultiSurface Concentrate pH	12.2 - 12.49	
Shelf life of MultiSurface Concentrate	90 days	

### GENERATION SYSTEM - MultiMicro Concentrate

Generator tank capacity	3.5 gal	13 L
Generation rate	1.4 gal/hr	5.3 lph
MultiMicro Concentrate pH	5 - 6	
Shelf life of MultiMicro Concentrate	30 days	

### DISPLAY PANEL INDICATORS

Operating Indicators	Tanks full & ready to dispense	Wait to Dispense
	Filling, OK to dispense	RTU volume generated
Wear Component Indicators	pH probe	
	e-cell	
	Manifold module	
Maintenance Indicators	Turn off hot water	Call for Service
	Add salt	

### CONSUMABLE

Salt Type	Standard water softener salt pellets (solar or evaporated) - Not rock salt or crystals	
Salt usage, approximate	40 lb/4,500 gal of MultiSurface Cleaner (RTU)	18 kg /17,000 L of MultiSurface Cleaner (RTU)
Salt reservoir capacity	150 lb	68 kg

### WEAR COMPONENTS

pH Probe life	1 year	
e-cell life	36,000 gal of MultiSurface Cleaner (RTU)	136,000 L of MultiSurface Cleaner (RTU)
Manifold Module life	120,000 gal of MultiSurface Cleaner (RTU)	454,000 L of MultiSurface Cleaner (RTU)

**DIMENSIONS/WEIGHT - os3 Generator**

Depth	14 in	356 mm
Width (with dispenser attached)	24 in	610 mm
Width (without dispenser attached)	18 in	457 mm
Height	32 in	813 mm
Weight (empty)	40 lbs	18 kg
Weight (filled with solution)	103 lbs	47 kg
Operating ambient temperature	50 - 110 deg F	10 - 43 deg C

**DIMENSIONS/WEIGHT - Water Softener**

Depth	14 in	356 mm
Width	24 in	610 mm
Height	27 in	686 mm
Weight (empty)	44 lbs	20 kg
Weight (filled with 150 lbs/68 kg salt & brine)	247 lbs	112 kg
Operating ambient temperature	50 - 110 deg F	10 - 43 deg C

**POWER**

Circuit requirement (min)		15A
Input AC voltage	120 V/60 Hz	230 V/50 Hz
Power Cord Length	7.5 ft	2.3 m

**INPUT WATER SOURCE**

Water Flow (min)	3.5 gpm	13.2 lpm
Water Flow (max)		n/a
Water pressure (min)	35 psi	2.4 bar
Water pressure (max)	85 psi	5.9 bar

**DISCHARGE/DRAIN - MultiSurface Concentrate**

Frequency of discharge	ONLY discharged when MultiSurface Concentrate tank is full and MultiMicro Concentrate Tank is being refilled.	
pH of discharge	12.2 - 12.49	
Discharge composition	<0.2% (by WT) Sodium Hydroxide (NaOH)	
Discharge solution rate	0.017 gpm	0.063 lpm

**DISCHARGE/DRAIN - MultiMicro Concentrate**

Frequency of discharge	ONLY discharged when MultiMicro Concentrate tank is full and MultiSurface Concentrate Tank is being refilled.	
pH of discharge	5 - 6	
Discharge composition	<0.15% (by WT) Hypochlorous Acid (HOCl)	
Discharge solution rate	0.023 gpm	0.088 lpm

**DISCHARGE/DRAIN - Water Softener Regeneration**

Frequency of discharge	ONLY discharged as part of water softener regeneration. With average water hardness (77 ppm/4.5 gpg), one regeneration occurs for every 750 gal/2,840 L of RTU solutions generated.	
Total discharge volume	18 gal	68.1 L
pH of discharge	Same pH as incoming water supply	
Discharge composition	Low concentration of hard mineral such as calcium and magnesium removed from incoming water by water softener.	
Max. discharge solution rate	2 gpm	7.6 lpm

Specifications subject to change without notice.

†Canadian Customers: Orbio os3 units installed in Canada will be set up to dispense only MultiSurface Cleaner, as the MultiMicro solution is currently going through the Canadian regulatory process for antimicrobial products. On approval, units may be converted to dispense both solutions.

\*MultiMicro 200 refers to MultiMicro Concentrate that has been diluted by the Orbio® os3 dispenser to the ready-to-use form containing 200 ppm free available chlorine.

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