



## Output Calculation for SprayWall and the Graco Reactor HV-R Plural Component Spray Machine.

### HV-R Displacement

- Pump 1 (B-side)
  - The B-side pump when set to position 1 and point 1 produces 0.039 gallons per cycle.
- Pump 2 (A-side)
  - The A-side pump when set to position 2 and point .65 produces 0.025 gallons per cycle.
- Pumps (A & B)
  - B-side pump and A-side pump together produce on (1) gallon of material in 15.625 cycles.
  - That is equal to .064 gallons per cycle.

### Output Calculation

- SprayWall weights 11.7 pounds per gallon.
- **11.7 lbs/gal X 0.064 gal/cycle = 0.7488 lbs/cycle**

### Summery

The Graco Reactor HV-R, with the B-side pump set to position 1/point 1 and the A-side pump set to position 2/point .65 will produce 0.7488 lbs of Spraywall per cycle. This value is comprehensive of pump displacement when no outside factors are taken into account. Other equipment, atmosphere and situational factors affect the output of the machine in real world applications. It is strongly suggested by Sprayroq Inc. that the applicator perform output tests to accurately define the output of their machine. Machine output can also be affected by machine age, part wear, and maintenance.

**Overspray should always be taken into account.**

### Output Test

With the spray machine in proper working order, dispense a set number of cycles (15 to 20 cycles) into a clean five-gallon bucket with a known weight. While spraying, the applicator should insure all over spray is contained within the bucket. Once the set number of cycles is reached, the bucket should be weighed and the buckets dry weight should be subtracted from the total.

Example - .75 lbs/cycle X 15 cycles = 11.25 lbs.

This test should be performed periodically to ensure accuracy.