

Technical Support Material

Subject: Final Rinse Spray Jets

The orifice size of the jet accounts for the amount of water used by each jet over a given period of time. The number of jets used in the final rinse system contribute to the overall usage and pattern. Much is said about the spray tips without ever really comparing basics. This data was taken for the footnotes of the NSF listing book of 8/5/97.

HOBART, C44A		ADS, ADC-44	
Orifice size	.0410"		.0625"
# of jets/arm	6 jets		4 jets
HOBART, C44AW		ADS, ADC-44	
Orifice size	.0520"		.0625"
# of jets/arm	5 jets		4 jets

The observation is a simple deduction. Smaller holes will be more difficult to clear and produce finer sprays (less power). Larger holes have less atomizing effect (atomizing is a bad thing) and give will give heavier sprays, which accomplishes more of the work in rinsing. More jets and smaller holes actually defeat the task in final rinsing. Fewer jets and jets with larger holes, like the ADS, gets more work out of the 20 psi water; whereas a .0410" opening will clog shut sooner than a .0625" opening given similar water conditions.