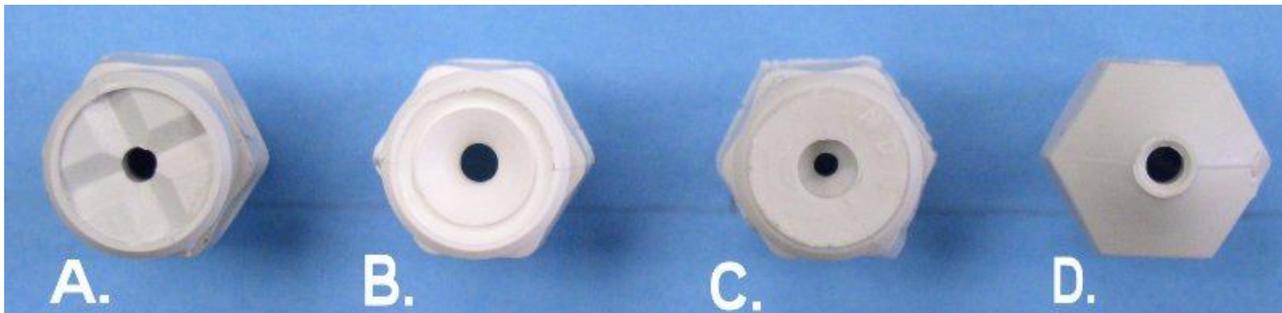


VIKING LLC / DEMA ENGINEERING

Nozzle reference sheet for *the* Viking Bowl.



A. **Standard Nozzle:** *70 degree angle full cone pattern.* This comes standard in all Viking Bowls unless otherwise specified. Has an X on the top. Used for powder and solid products.

Spray Pattern & Flow Rate: Replacement for DEMA Dark Blue nozzle (75 degrees).

B. **Powder Nozzle:** *110 degree hollow cone pattern.* Molded WHITE. Has funnel shape on the top. Used for powders because of low flat spray. **Do not use for solid product applications – spray will not reach the top of the jug.**

Spray Pattern: Replacement for DEMA Light Blue (110 degrees).

Flow Rate: Falls between DEMA Dark Blue and DEMA Green.

C. **Low Flow/NDB Nozzle:** *40 degree full cone pattern.* Smaller orifice provides a narrow spray pattern and reduced flow rate but concentrates available pressure to allow the spray pattern to reach the top of a jug. Use in accounts where water pressure is poor. Smooth and flat on top – has the letters NDB engraved on the top.

Spray Pattern: Replacement for DEMA Green (55 degrees).

Flow Rate: Falls between DEMA Light Blue and Dema Green – but closest to Light Green.

D. **Cone Nozzle:** *60 degree full cone pattern.* Nozzle itself shaped like a cone to shed water better. Spray pattern is virtually identical to standard nozzle. Flow rate identical to standard nozzle. Used for powder and solid products. As with the Standard Nozzle, matches up well with DEMA Dark Blue for pattern & flow rate.

Flow Rate in Gallons Per Minute at X PSI Dynamic:

NOZZLE	20	30	40	50	60	Spray Angle Degrees:
DEMA Dark Blue*	.46	.56	.65	.74	.81	75
(A) Standard Nozzle	.45	.55	.64	.72	.80	70
(D) Cone Nozzle	.45	.55	.64	.72	.80	60
(B) Powder Nozzle	.43	.53	.63	.72	.81	110
DEMA Green*	.40	.49	.59	.66	.73	55
(C) NDB Nozzle	.38	.47	.55	.62	.71	40
DEMA Light Blue*	.34	.43	.50	.57	.64	110

All Viking Bowl Nozzles have a 7/16-20 thread and are made from Polypropylene. The Standard, NDB, and Cone nozzles are all light grey in color (matches the Viking Bowl body and spray arm color). The POWDER nozzle is molded WHITE intentionally because of its distinctly different spray pattern. ***DEMA nozzles (Dark Blue, Light Blue, and Green) have an 1/8" NPT thread, they are NOT interchangeable with Viking Nozzles.**