

## "W" Nozzle WUniversal

Also known as a "Universal Nozzle", the W Universal nozzle may be the least understood of all products. Its usage has been based upon the application of other nozzle installations where results have been less than desired due to variable spray patterns that may be required

The W Universal nozzle produces a spray that is neither truly hollow nor truly solid. As such, they can be used in the place of solid or hollow cone nozzles with flow rates ranging from 0.40 GPH to 8.00 GPH. This can be accomplished without regard to the burners air pattern.

The lower the flow rates are the more solid the spray pattern tends to become. Conversely, the higher the flow rate, the hollower the spray pattern.

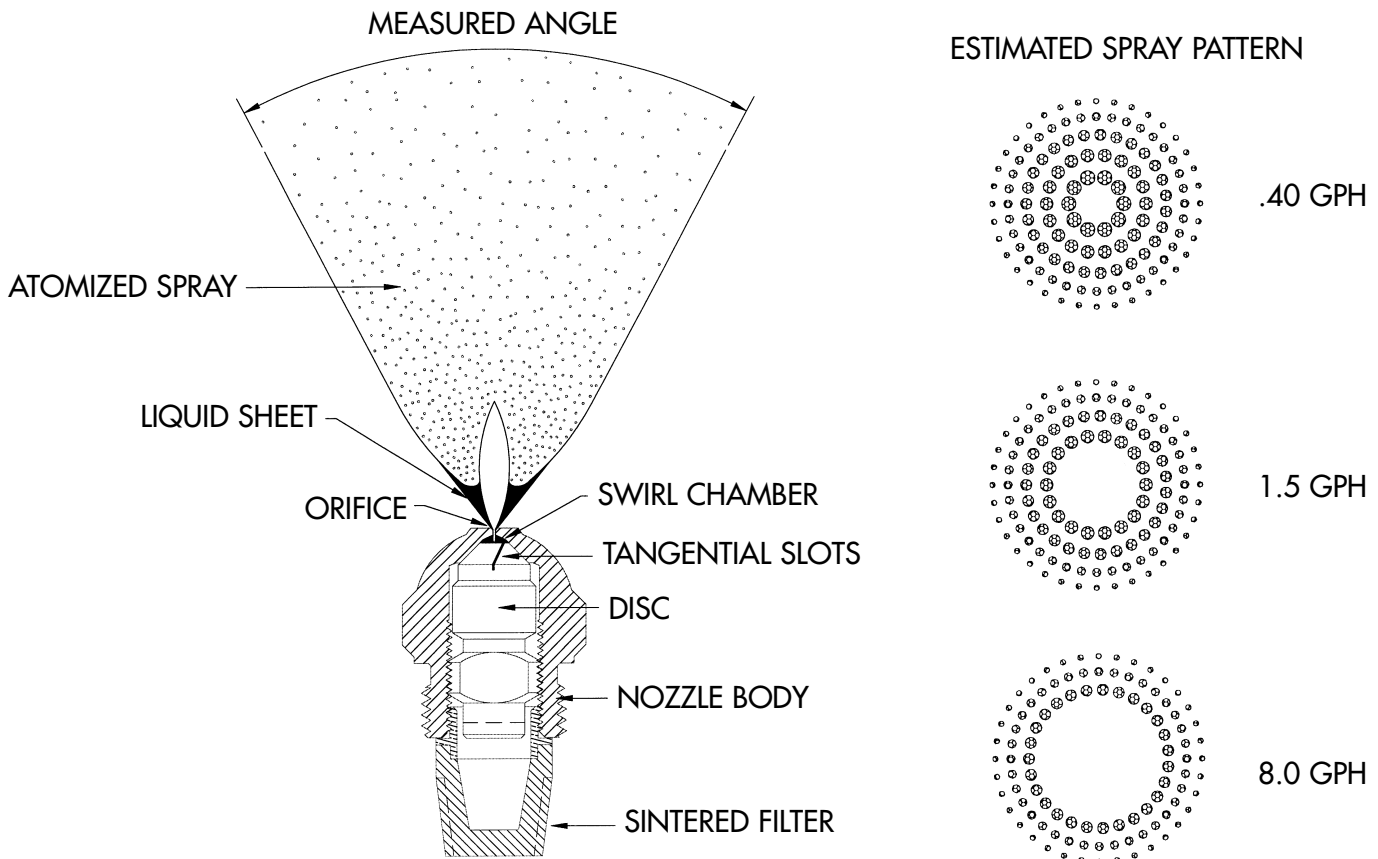
Hago's "W Universal" nozzle will produce a uniform droplet size throughout the spray pattern. The pattern will be based upon the flow rate through the nozzle, however it is this uniformity throughout the range that sets our product apart from others.

### Features

- Neither A True Hollow or Solid
- Uniform Droplet Size
- Works With Various Air Patterns
- Hago Product

### Benefits

- Multiple Application Use
- Consistency Throughout All Sizes
- Maximizes Combustion, Supports Clean Burn Technology
- Assurance of Finest Product Quality



## Applications

For installations where the use of a defined hollow or solid nozzle does not provide the combustion results desired

## Materials & Construction

Nozzle parts are type 416 stainless steel • Filters are sintered bronze up to 1.35 GPH flow rates  
Filters are steel mesh above 1.35 GPH flow rates • Sintered bronze filters are rated at nominal 30-40 microns  
Special materials can be supplied upon request

## Availability & Spray Angles

Flow rates from 0.40-8.00 GPH • Spray angles of 30°, 45°, 60°, 70°, 80° & 90°

## Tolerances

Flows are rated at 100 PSI on test oil of 35 SSU (2.7 Cstk)  
.30-.35 GPH = -2%/+8% • .40-1.50 GPH = -2%/+6% • 1.65 & Up = +/-2.5%  
Spray Angles are at +5° to -0° from nominal at rated conditions

## Ordering Information

Specify the nominal flow rate and the spray angle

## Available Flow Rates

<b>GPH</b>	<b>30°</b>	<b>45°</b>	<b>60°</b>	<b>70°</b>	<b>80°</b>	<b>90°</b>
0.40						
0.50						
0.55						
0.60						
0.65						
0.70						
0.75						
0.80						
0.85						
0.90						
1.00						
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5.00						
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6.00						
6.50						
7.00						
7.50						
8.00						

**ALL SIZES IN STOCK AT ALL TIMES**

**HAGO PRECISION SPRAY NOZZLES**  
**100% Tested 100% Guaranteed 100% Stainless Steel**