



# B-25

## OIL Burner Nozzles

The B-25 Nozzles are of two piece construction with large tangential metering slots in the internal Disc to give a nonrestricted flow with a uniform "Solid" distribution. Sizes from 3/8" NPT to 3/4" NPT are made from bar stock while larger sizes are castings. For special applications, a hollow cone spray can be produced from this same design. These Nozzles with high flow rates and coarser sprays are used in gas scrubbing, adsorption towers, brine spraying, and chemical and industrial processing.

**Material:** Brass is standard in sizes up to 3/4" NPT. Also available in any machinable material. Sizes 1" NPT. Also available in any machinable material. Sizes 1" NPT and larger are Cast Red Brass but can also be ordered in Cast Iron or any other machinable cast material.

**Spray Angles:** 80° at 40 PSI.

**Pipe Connection:** 3/8", 1/2", 3/4", 1", 1 1/2", 2" NPT.

### Flow Capacity Chart

Pipe Size	Nozzle No.*	Flow rate @ Gallons Per Minute						Dimensions and Width			
		Pressure @ PSI						Length	Width	Hexagon	Weight (oz.)
3/8"	2.5	9	1.2	1.8	2.5	3.5	3.9				
	3.0	1.1	1.5	2.1	3.0	4.2	4.7				
	3.5	1.2	1.7	2.5	3.5	4.9	5.5	1 5/8"	7/8"	7/8	3 1/2
	4.0	1.4	2.0	2.8	4.0	5.7	6.3				
	4.5	1.6	2.2	3.2	4.5	6.3	7.1				
1/2"	5.0	1.8	2.5	3.5	5.0	7.1	7.9	2" 1	1/8"	1 1/8	7 1/2
	6.0	2.1	3.0	4.2	6.0	8.5	9.5				
1/2" or 3/4"	7.0	2.5	3.5	4.9	7.0	9.9	11.1				
	8.0	2.8	4.0	5.6	8.0	11.3	12.6				
	9.0	3.2	4.5	6.4	9.0	12.7	14.2				
3/4"	10.0	3.5	5.0	7.1	10.0	14.1	15.8	2 1/4"	1 3/8"	1 3/8	12
	12.0	4.2	6.0	8.5	12.0	17.0	19.0				
	15.0	5.3	7.5	10.6	15.0	21.2	23.7				

Dimension changes depending on Cast or Bar Stock