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|--------------------|-------|
| Valve Diameter | 1.625 |
| Test Pressure "H2O | 28.0 |
| Throat Diameter | 1.420 |
| Throat percentage | 87.4 |

| | |
|--------------------|-------|
| Valve Diameter #2 | 1.343 |
| Test Pressure "H2O | 28.0 |
| Throat Diameter | 1.188 |
| Throat percentage | 88.4 |

| Lift | Flow CFM #1 | Discharge coe 1 | Effective flow area | Actual flow area | Curtain area velocity | Throat area velocity | Velocity average 1 | CFM/sq" area 1 | Lift/Dia ratio |
|---------|-------------|--------------------|------------------------|---------------------|--------------------------|-------------------------|-----------------------|-------------------|----------------|
| 0.050 | 29.2 | 0.784 | 0.200 | 0.255 | 274.689 | 44.251 | 159.470 | 14.079 | 0.031 |
| 0.100 | 54.5 | 0.732 | 0.373 | 0.510 | 256.345 | 82.593 | 169.469 | 26.278 | 0.062 |
| 0.150 | 79.5 | 0.712 | 0.545 | 0.765 | 249.290 | 120.479 | 184.884 | 38.333 | 0.092 |
| 0.200 | 102 | 0.685 | 0.699 | 1.021 | 239.882 | 154.577 | 197.230 | 49.182 | 0.123 |
| 0.250 | 119.5 | 0.642 | 0.819 | 1.276 | 224.831 | 181.098 | 202.964 | 57.620 | 0.154 |
| 0.300 | 133 | 0.595 | 0.911 | 1.531 | 208.525 | 201.556 | 205.041 | 64.129 | 0.185 |
| 0.350 | 142 | 0.545 | 0.973 | 1.786 | 190.831 | 215.196 | 203.013 | 68.469 | 0.215 |
| 0.400 | 147.5 | 0.495 | 1.011 | 2.041 | 173.444 | 223.531 | 198.488 | 71.121 | 0.246 |
| 0.450 | 151 | 0.451 | 1.035 | 2.296 | 157.831 | 228.835 | 193.333 | 72.808 | 0.277 |
| Average | 106.5 | 0.627 | 0.729 | 1.276 | 219.519 | 161.346 | 190.432 | 51.335 | 0.154 |

| Lift | Flow CFM #2 | Discharge coe 2 | Effective flow area | Actual flow area | Curtain area velocity | Throat area velocity | Velocity average 2 | CFM/sq" area 2 | Lift/Dia ratio |
|---------|-------------|--------------------|------------------------|---------------------|--------------------------|-------------------------|-----------------------|-------------------|----------------|
| 0.050 | 24.5 | 0.796 | 0.168 | 0.211 | 278.870 | 53.091 | 165.980 | 17.295 | 0.037 |
| 0.100 | 45 | 0.731 | 0.308 | 0.422 | 256.105 | 97.514 | 176.810 | 31.767 | 0.074 |
| 0.150 | 69 | 0.747 | 0.473 | 0.633 | 261.796 | 149.521 | 205.659 | 48.709 | 0.112 |
| 0.200 | 91 | 0.739 | 0.623 | 0.843 | 258.951 | 197.195 | 228.073 | 64.239 | 0.149 |
| 0.250 | 103.5 | 0.673 | 0.709 | 1.054 | 235.617 | 224.282 | 229.949 | 73.063 | 0.186 |
| 0.300 | 110 | 0.596 | 0.754 | 1.265 | 208.678 | 238.368 | 223.523 | 77.652 | 0.223 |
| 0.350 | 115.5 | 0.536 | 0.791 | 1.476 | 187.810 | 250.286 | 219.048 | 81.534 | 0.261 |
| 0.400 | 119 | 0.483 | 0.815 | 1.687 | 169.314 | 257.870 | 213.592 | 84.005 | 0.298 |
| 0.450 | 119 | 0.430 | 0.815 | 1.898 | 150.501 | 257.870 | 204.186 | 84.005 | 0.335 |
| Average | 88.5 | 0.637 | 0.606 | 1.054 | 223.071 | 191.778 | 207.424 | 62.474 | 0.186 |

