

**VENTURI SIZES, BASED ON THROAT VELOCITY AND ENGINE RPM**

| <b>VENTURI VELOCITIES, BASED ON Pat Johnston's Basic Sizing and ST-type NVA (.155" dia)</b> |       |              |        |              |        |              |        |              |        |              |        |
|---|-------|--------------|--------|--------------|--------|--------------|--------|--------------|--------|--------------|--------|
| <b>Based on optimum average throat velocity of 300 - 350 fps</b>                            |       |              |        |              |        |              |        |              |        |              |        |
| D   | R     | Venturi dia. | V      | Venturi dia. | V      | Venturi dia. | V      | Venturi dia. | V      | Venturi dia. | V      |
| (Engine Disp.)  | (RPM) | (A = Dx.040) | ft/sec | (A = Dx.045) | ft/sec | (A = Dx.050) | ft/sec | (A = Dx.055) | ft/sec | (A = Dx.060) | ft/sec |
| 0.15  | 10000 |              |        | 0.234        | 309    | 0.238        | 278    | 0.242        | 253    | 0.245        | 231    |
| 0.15  | 11000 |              |        | 0.234        | 340    | 0.238        | 306    | 0.242        | 278    | 0.245        | 255    |
| 0.15  | 12000 |              |        | 0.234        | 370    | 0.238        | 333    | 0.242        | 303    | 0.245        | 278    |
| 0.15  | 13000 |              |        | 0.234        | 401    | 0.238        | 361    | 0.242        | 328    | 0.245        | 301    |
| 0.15  | 14000 |              |        | 0.234        | 432    | 0.238        | 389    | 0.242        | 354    | 0.245        | 324    |
| 0.15  | 15000 |              |        | 0.234        | 463    | 0.238        | 417    | 0.242        | 379    | 0.245        | 347    |
| 0.21  | 10000 |              |        | 0.246        | 309    | 0.252        | 278    | 0.257        | 253    | 0.260        | 231    |
| 0.21  | 11000 |              |        | 0.246        | 340    | 0.252        | 306    | 0.257        | 278    | 0.260        | 255    |
| 0.21  | 12000 |              |        | 0.246        | 370    | 0.252        | 333    | 0.257        | 303    | 0.260        | 278    |
| 0.21  | 13000 |              |        | 0.246        | 401    | 0.252        | 361    | 0.257        | 328    | 0.260        | 301    |
| 0.21  | 14000 |              |        | 0.246        | 432    | 0.252        | 389    | 0.257        | 354    | 0.260        | 324    |
| 0.21  | 15000 |              |        | 0.246        | 463    | 0.252        | 417    | 0.257        | 379    | 0.260        | 347    |
| 0.25  | 9000  | 0.250        | 313    | 0.253        | 278    | 0.260        | 250    | 0.263        | 227    | 0.270        | 208    |
| 0.25  | 10000 | 0.250        | 347    | 0.253        | 309    | 0.260        | 278    | 0.263        | 253    | 0.270        | 231    |
| 0.25  | 11000 | 0.250        | 382    | 0.253        | 340    | 0.260        | 306    | 0.263        | 278    | 0.270        | 255    |
| 0.25  | 12000 | 0.250        | 417    | 0.253        | 370    | 0.260        | 333    | 0.263        | 303    | 0.270        | 278    |
| 0.25  | 13000 | 0.250        | 451    | 0.253        | 401    | 0.260        | 361    | 0.263        | 328    | 0.270        | 301    |
| 0.35  | 9000  | 0.267        | 313    | 0.271        | 278    | 0.278        | 250    | 0.285        | 227    |              |        |
| 0.35  | 10000 | 0.267        | 347    | 0.271        | 309    | 0.278        | 278    | 0.285        | 253    |              |        |
| 0.35  | 11000 | 0.267        | 382    | 0.271        | 340    | 0.278        | 306    | 0.285        | 278    |              |        |
| 0.35  | 12000 | 0.267        | 417    | 0.271        | 370    | 0.278        | 333    | 0.285        | 303    |              |        |
| 0.40  | 8000  | 0.250        | 444    |              |        |              |        |              |        |              |        |
| 0.40  | 8000  | 0.265        | 317    |              |        |              |        |              |        |              |        |
| 0.40  | 9000  | 0.274        | 313    | 0.280        | 278    | 0.287        | 250    | 0.293        | 227    |              |        |
| 0.40  | 10000 | 0.274        | 347    | 0.280        | 309    | 0.287        | 278    | 0.293        | 253    |              |        |
| 0.40  | 11000 | 0.274        | 382    | 0.280        | 340    | 0.287        | 306    | 0.293        | 278    |              |        |
| 0.40  | 12000 | 0.274        | 417    | 0.280        | 370    | 0.287        | 333    | 0.293        | 303    |              |        |
| 0.45  | 9000  | 0.280        | 313    | 0.287        | 278    | 0.295        | 250    | 0.303        | 227    |              |        |
| 0.45  | 10000 | 0.280        | 347    | 0.287        | 309    | 0.295        | 278    | 0.303        | 253    |              |        |
| 0.45  | 11000 | 0.280        | 382    | 0.287        | 340    | 0.295        | 306    | 0.303        | 278    |              |        |
| 0.60  | 8000  | 0.290        | 317    | 0.300        | 278    | 0.310        | 247    | 0.320        | 222    |              |        |
| 0.60  | 9000  | 0.290        | 357    | 0.300        | 313    | 0.310        | 278    | 0.320        | 250    |              |        |
| 0.60  | 10000 | 0.290        | 397    | 0.300        | 347    | 0.310        | 309    | 0.320        | 278    |              |        |
| 0.60  | 11000 | 0.290        | 437    | 0.300        | 382    | 0.310        | 340    | 0.320        | 306    |              |        |