



## PERFORMANCE DATA SINGLE SLOT, STANDARD WEIR GATES WITH PLENUM

|                   |             |      |                     |            |            |            |            |            |
|-------------------|-------------|------|---------------------|------------|------------|------------|------------|------------|
| 2" SLOT WIDTH     | 8" Ø INLET  | 2 FT | AIRFLOW, CFM        | <b>120</b> | <b>155</b> | <b>190</b> | <b>225</b> | <b>260</b> |
|                   |             |      | TOTAL PRESSURE      | 0.083      | 0.134      | 0.194      | 0.263      | 0.343      |
|                   |             |      | STATIC PRESSURE     | 0.069      | 0.112      | 0.166      | 0.227      | 0.300      |
|                   |             |      | NC (NOISE CRITERIA) | <15        | 17         | 27         | 32         | 36         |
|                   |             |      | THROW               | 7 12 21    | 9 15 24    | 11 16 27   | 13 18 29   | 15 19 31   |
|                   |             | 4 FT | AIRFLOW, CFM        | <b>210</b> | <b>270</b> | <b>330</b> | <b>390</b> | <b>450</b> |
|                   |             |      | TOTAL PRESSURE      | 0.090      | 0.149      | 0.221      | 0.308      | 0.406      |
|                   |             |      | STATIC PRESSURE     | 0.068      | 0.107      | 0.156      | 0.212      | 0.276      |
|                   |             |      | NC (NOISE CRITERIA) | 18         | 25         | 31         | 36         | 41         |
|                   |             |      | THROW               | 7 12 23    | 9 15 26    | 11 18 28   | 13 20 30   | 16 21 33   |
|                   |             | 5 FT | AIRFLOW, CFM        | <b>230</b> | <b>295</b> | <b>360</b> | <b>425</b> | <b>490</b> |
|                   |             |      | TOTAL PRESSURE      | 0.092      | 0.152      | 0.227      | 0.311      | 0.418      |
|                   |             |      | STATIC PRESSURE     | 0.055      | 0.087      | 0.127      | 0.171      | 0.222      |
|                   |             |      | NC (NOISE CRITERIA) | 19         | 26         | 32         | 37         | 42         |
|                   |             |      | THROW               | 7 11 22    | 9 14 26    | 10 16 28   | 12 19 31   | 14 22 33   |
| 2" SLOT WIDTH     | 12" Ø INLET | 2 FT | AIRFLOW, CFM        | <b>130</b> | <b>170</b> | <b>210</b> | <b>250</b> | <b>290</b> |
|                   |             |      | TOTAL PRESSURE      | 0.071      | 0.118      | 0.175      | 0.245      | 0.324      |
|                   |             |      | STATIC PRESSURE     | 0.067      | 0.115      | 0.171      | 0.236      | 0.313      |
|                   |             |      | NC (NOISE CRITERIA) | <15        | 16         | 22         | 27         | 32         |
|                   |             |      | THROW               | 7 12 20    | 9 14 23    | 12 16 25   | 14 18 27   | 15 19 29   |
|                   |             | 4 FT | AIRFLOW, CFM        | <b>240</b> | <b>315</b> | <b>390</b> | <b>465</b> | <b>540</b> |
|                   |             |      | TOTAL PRESSURE      | 0.069      | 0.118      | 0.176      | 0.246      | 0.330      |
|                   |             |      | STATIC PRESSURE     | 0.059      | 0.100      | 0.149      | 0.208      | 0.278      |
|                   |             |      | NC (NOISE CRITERIA) | <15        | 20         | 26         | 31         | 36         |
|                   |             |      | THROW               | 8 13 24    | 10 16 27   | 12 19 29   | 14 21 31   | 17 23 35   |
|                   |             | 5 FT | AIRFLOW, CFM        | <b>280</b> | <b>370</b> | <b>460</b> | <b>550</b> | <b>640</b> |
|                   |             |      | TOTAL PRESSURE      | 0.068      | 0.117      | 0.177      | 0.245      | 0.333      |
|                   |             |      | STATIC PRESSURE     | 0.054      | 0.092      | 0.140      | 0.191      | 0.261      |
|                   |             |      | NC (NOISE CRITERIA) | 15         | 22         | 28         | 33         | 37         |
|                   |             |      | THROW               | 8 14 25    | 11 17 29   | 14 20 31   | 16 22 33   | 19 24 37   |
| 2-1/2" SLOT WIDTH | 10" Ø INLET | 2 FT | AIRFLOW, CFM        | <b>190</b> | <b>235</b> | <b>280</b> | <b>325</b> | <b>370</b> |
|                   |             |      | TOTAL PRESSURE      | 0.097      | 0.150      | 0.212      | 0.283      | 0.363      |
|                   |             |      | STATIC PRESSURE     | 0.086      | 0.133      | 0.188      | 0.250      | 0.320      |
|                   |             |      | NC (NOISE CRITERIA) | 15         | 23         | 29         | 33         | 37         |
|                   |             |      | THROW               | 8 14 21    | 11 16 24   | 13 17 26   | 15 19 28   | 16 20 30   |
|                   |             | 4 FT | AIRFLOW, CFM        | <b>300</b> | <b>380</b> | <b>460</b> | <b>540</b> | <b>620</b> |
|                   |             |      | TOTAL PRESSURE      | 0.094      | 0.148      | 0.215      | 0.292      | 0.382      |
|                   |             |      | STATIC PRESSURE     | 0.066      | 0.103      | 0.149      | 0.202      | 0.263      |
|                   |             |      | NC (NOISE CRITERIA) | 20         | 27         | 33         | 38         | 42         |
|                   |             |      | THROW               | 8 13 24    | 10 16 27   | 12 19 29   | 15 21 32   | 18 22 34   |
|                   |             | 5 FT | AIRFLOW, CFM        | <b>330</b> | <b>420</b> | <b>510</b> | <b>600</b> | <b>690</b> |
|                   |             |      | TOTAL PRESSURE      | 0.086      | 0.138      | 0.201      | 0.275      | 0.363      |
|                   |             |      | STATIC PRESSURE     | 0.052      | 0.084      | 0.120      | 0.163      | 0.215      |
|                   |             |      | NC (NOISE CRITERIA) | 19         | 26         | 33         | 38         | 43         |
|                   |             |      | THROW               | 8 12 24    | 10 16 27   | 12 19 29   | 14 21 32   | 17 23 35   |
| 2-1/2" SLOT WIDTH | 12" Ø INLET | 2 FT | AIRFLOW, CFM        | <b>190</b> | <b>235</b> | <b>280</b> | <b>325</b> | <b>370</b> |
|                   |             |      | TOTAL PRESSURE      | 0.085      | 0.136      | 0.193      | 0.258      | 0.334      |
|                   |             |      | STATIC PRESSURE     | 0.079      | 0.126      | 0.179      | 0.239      | 0.310      |
|                   |             |      | NC (NOISE CRITERIA) | <15        | 21         | 26         | 31         | 35         |
|                   |             |      | THROW               | 8 14 23    | 11 16 24   | 13 17 26   | 15 19 28   | 16 20 30   |
|                   |             | 4 FT | AIRFLOW, CFM        | <b>310</b> | <b>395</b> | <b>480</b> | <b>565</b> | <b>650</b> |
|                   |             |      | TOTAL PRESSURE      | 0.076      | 0.121      | 0.176      | 0.252      | 0.334      |
|                   |             |      | STATIC PRESSURE     | 0.059      | 0.093      | 0.134      | 0.196      | 0.259      |
|                   |             |      | NC (NOISE CRITERIA) | 16         | 24         | 31         | 36         | 40         |
|                   |             |      | THROW               | 9 13 24    | 11 17 28   | 13 20 30   | 16 22 33   | 18 23 36   |
|                   |             | 5 FT | AIRFLOW, CFM        | <b>350</b> | <b>450</b> | <b>550</b> | <b>650</b> | <b>750</b> |
|                   |             |      | TOTAL PRESSURE      | 0.077      | 0.127      | 0.188      | 0.255      | 0.343      |
|                   |             |      | STATIC PRESSURE     | 0.055      | 0.091      | 0.135      | 0.181      | 0.243      |
|                   |             |      | NC (NOISE CRITERIA) | <15        | 25         | 31         | 36         | 40         |
|                   |             |      | THROW               | 9 13 24    | 11 17 28   | 13 20 31   | 16 22 34   | 18 24 36   |