

**SERIES XG-PHP PERFORMANCE DATA**  
**MODEL XG-PHPS/XG-PHPSI ONE SLOT**

|                       |                       | CFM/LF     | 10    | 15     | 25     | 40      | 60       | 75       | 90       | 120      |          |
|-----------------------|-----------------------|------------|-------|--------|--------|---------|----------|----------|----------|----------|----------|
| 1/2" Slot Width       | 2' Length<br>6" Inlet | Horizontal | CFM   | 20     | 30     | 50      | 80       | 120      | 150      | 180      | 240      |
|                       |                       |            | Ps    | .010   | .023   | .064    | .163     | .367     | .574     | .826     | 1.469    |
|                       |                       |            | Pt    | .011   | .024   | .068    | .174     | .390     | .610     | .879     | 1.562    |
|                       |                       |            | Throw | 2-3-6  | 3-5-6  | 5-7-10  | 7-9-12   | 9-11-15  | 10-12-17 | 11-13-19 | 12-15-22 |
|                       |                       |            | NC    | <10    | <10    | 17      | 29       | 39       | 43       | 47       | 56       |
|                       |                       |            | NC    | <10    | <10    | 15      | 29       | 38       | 42       | 45       | 52       |
|                       | 4' Length<br>6" Inlet | Horizontal | CFM   | 40     | 60     | 100     | 160      | 240      | 300      | 360      | -        |
|                       |                       |            | Ps    | .010   | .023   | .063    | .160     | .360     | .563     | .810     | -        |
|                       |                       |            | Pt    | .013   | .028   | .079    | .201     | .453     | .708     | 1.020    | -        |
|                       |                       |            | Throw | 2-3-7  | 3-5-10 | 6-8-14  | 9-12-18  | 12-15-22 | 14-17-24 | 15-19-26 | -        |
|                       |                       |            | NC    | <10    | <10    | 20      | 32       | 42       | 46       | 50       | -        |
|                       |                       |            | NC    | <10    | <10    | 18      | 32       | 41       | 45       | 48       | -        |
|                       | 5' Length<br>8" Inlet | Horizontal | CFM   | 50     | 75     | 125     | 200      | 300      | 375      | 450      | -        |
|                       |                       |            | Ps    | .010   | .022   | .061    | .157     | .353     | .551     | .794     | -        |
|                       |                       |            | Pt    | .011   | .025   | .070    | .180     | .405     | .633     | .912     | -        |
|                       |                       |            | Throw | 3-4-8  | 4-6-12 | 7-11-16 | 11-14-20 | 14-17-24 | 16-19-27 | 17-21-29 | -        |
|                       |                       |            | NC    | <10    | 11     | 22      | 34       | 44       | 48       | 52       | -        |
|                       |                       |            | NC    | <10    | 12     | 26      | 39       | 46       | 50       | 55       | -        |
| 3/4" Slot Width       | 2' Length<br>8" Inlet | Horizontal | CFM   | 20     | 30     | 50      | 80       | 120      | 150      | 180      | 240      |
|                       |                       |            | Ps    | .007   | .015   | .041    | .104     | .235     | .367     | .528     | .939     |
|                       |                       |            | Pt    | .007   | .015   | .042    | .108     | .243     | .380     | .973     | -        |
|                       |                       |            | Throw | 2-3-5  | 3-4-7  | 4-6-8   | 7-8-12   | 8-10-14  | 9-11-16  | 10-12-17 | 12-14-20 |
|                       |                       |            | NC    | <10    | <10    | <10     | 23       | 32       | 37       | 40       | 47       |
|                       |                       |            | NC    | <10    | <10    | <10     | 24       | 36       | 41       | 45       | 54       |
|                       | 4' Length<br>8" Inlet | Horizontal | CFM   | 40     | 60     | 100     | 160      | 240      | 300      | 360      | -        |
|                       |                       |            | Ps    | .006   | .014   | .040    | .102     | .230     | .360     | .518     | -        |
|                       |                       |            | Pt    | .007   | .016   | .046    | .117     | .264     | .412     | .593     | -        |
|                       |                       |            | Throw | 2-3-6  | 3-4-8  | 5-7-13  | 7-11-16  | 11-14-20 | 13-16-22 | 14-17-25 | -        |
|                       |                       |            | NC    | <10    | <10    | 15      | 26       | 35       | 40       | 43       | -        |
|                       |                       |            | NC    | <10    | <10    | 12      | 27       | 39       | 44       | 48       | -        |
|                       | 5' Length<br>8" Inlet | Horizontal | CFM   | 50     | 75     | 125     | 200      | 300      | 375      | 450      | -        |
|                       |                       |            | Ps    | .006   | .014   | .039    | .100     | .226     | .353     | .508     | -        |
|                       |                       |            | Pt    | .08    | .017   | .048    | .124     | .278     | .434     | .626     | -        |
|                       |                       |            | Throw | 2-4-7  | 4-6-11 | 6-9-14  | 10-13-18 | 13-16-22 | 14-18-25 | 16-19-27 | -        |
|                       |                       |            | NC    | <10    | <10    | 17      | 28       | 37       | 42       | 45       | -        |
|                       |                       |            | NC    | <10    | <10    | 14      | 29       | 41       | 46       | 50       | -        |
| 5' Length<br>8" Inlet | Vertical              | CFM        | 50    | 75     | 125    | 200     | 300      | 375      | 450      | -        |          |
|                       |                       | Ps         | .013  | .028   | .079   | .201    | .453     | .707     | 1.018    | -        |          |
|                       |                       | Pt         | .014  | .032   | .088   | .224    | .505     | .789     | 1.136    | -        |          |
|                       |                       | Throw      | 2-3-7 | 3-5-10 | 5-8-16 | 9-13-26 | 13-20-40 | 16-25-49 | 20-30-59 | -        |          |
|                       |                       | NC         | <10   | 12     | 26     | 39      | 46       | 50       | 55       | -        |          |
|                       |                       | NC         | <10   | 12     | 26     | 39      | 46       | 50       | 55       | -        |          |

PLENUM SLOT  
DIFFUSERS

PLENUM DIFFUSERS WITH  
ADJUSTABLE PATTERN  
CONTROLLERS

XG-PHPS

**SERIES XG-PHP PERFORMANCE DATA**  
**MODEL XG-PHPS/XG-PHPSI ONE SLOT**

|                   |                        | CFM/LF     | 10    | 15    | 25     | 40      | 60       | 75       | 90       | 120      | 160      |          |
|-------------------|------------------------|------------|-------|-------|--------|---------|----------|----------|----------|----------|----------|----------|
| 1" Slot Width     | 2' Length<br>8" Inlet  | Horizontal | CFM   | 20    | 30     | 50      | 80       | 120      | 150      | 180      | 240      | 320      |
|                   |                        |            | Ps    | .005  | .010   | .028    | .073     | .163     | .255     | .368     | .654     | 1.162    |
|                   |                        |            | Pt    | .005  | .011   | .030    | .076     | .172     | .268     | .387     | .687     | 1.222    |
|                   |                        |            | Throw | 3-4-6 | 4-5-7  | 5-6-9   | 6-8-11   | 8-10-14  | 9-11-15  | 10-12-17 | 11-14-19 | 13-16-23 |
|                   |                        | NC         | <10   | <10   | 10     | 23      | 32       | 36       | 39       | 44       | 53       |          |
|                   |                        | Vertical   | Ps    | .007  | .016   | .044    | .113     | .254     | .396     | .571     | 1.015    | 1.804    |
|                   |                        |            | Pt    | .007  | .016   | .046    | .116     | .262     | .410     | .590     | 1.048    | 1.864    |
|                   |                        |            | Throw | 0-1-1 | 1-1-2  | 1-2-4   | 2-3-6    | 3-4-9    | 4-5-11   | 4-7-13   | 6-9-18   | 8-12-23  |
|                   | NC                     |            | <10   | <10   | <10    | 22      | 35       | 40       | 43       | 47       | 55       |          |
|                   | 4' Length<br>8" Inlet  | Horizontal | CFM   | 40    | 60     | 100     | 160      | 240      | 300      | 360      | 480      | -        |
|                   |                        |            | Ps    | .004  | .010   | .028    | .071     | .160     | .250     | .361     | .641     | -        |
|                   |                        |            | Pt    | .005  | .012   | .034    | .086     | .194     | .303     | .436     | .775     | -        |
|                   |                        |            | Throw | 1-2-4 | 2-3-7  | 4-5-11  | 6-9-16   | 9-13-19  | 11-15-22 | 13-17-24 | 16-19-28 | -        |
|                   |                        | NC         | <10   | <10   | 13     | 26      | 35       | 39       | 42       | 47       | -        |          |
|                   |                        | Vertical   | Ps    | .007  | .016   | .043    | .111     | .249     | .389     | .560     | .995     | -        |
|                   |                        |            | Pt    | .008  | .018   | .049    | .125     | .282     | .441     | .635     | 1.129    | -        |
|                   |                        |            | Throw | 1-2-3 | 2-2-5  | 3-4-8   | 4-6-13   | 6-10-19  | 8-12-24  | 10-14-29 | 13-19-38 | -        |
|                   | NC                     |            | <10   | <10   | <10    | 25      | 38       | 43       | 46       | 50       | -        |          |
|                   | 5' Length<br>10" Inlet | Horizontal | CFM   | 50    | 75     | 125     | 200      | 300      | 375      | 450      | 600      | -        |
|                   |                        |            | Ps    | .004  | .010   | .027    | .070     | .157     | .245     | .353     | .628     | -        |
|                   |                        |            | Pt    | .005  | .011   | .032    | .082     | .184     | .287     | .413     | .735     | -        |
|                   |                        |            | Throw | 5-6-9 | 6-8-11 | 8-10-14 | 10-13-18 | 13-15-22 | 14-17-24 | 15-19-27 | 18-22-31 | -        |
|                   |                        | NC         | <10   | <10   | 15     | 28      | 37       | 41       | 44       | 49       | -        |          |
|                   |                        | Vertical   | Ps    | .007  | .015   | .042    | .108     | .244     | .381     | .549     | .975     | -        |
| Pt                |                        |            | .008  | .017  | .047   | .120    | .271     | .423     | .609     | 1.082    | -        |          |
| Throw             |                        |            | 1-2-4 | 2-3-7 | 4-5-11 | 6-9-18  | 9-13-26  | 11-16-33 | 13-20-39 | 18-26-53 | -        |          |
| NC                | <10                    |            | <10   | 11    | 27     | 40      | 45       | 48       | 52       | -        |          |          |
| 1 1/2" Slot Width | 2' Length<br>8" Inlet  | Horizontal | CFM   | 20    | 30     | 50      | 80       | 120      | 150      | 180      | 240      | 320      |
|                   |                        |            | Ps    | .004  | .010   | .027    | .069     | .155     | .242     | .349     | .620     | 1.102    |
|                   |                        |            | Pt    | .005  | .010   | .028    | .073     | .163     | .255     | .368     | .654     | 1.162    |
|                   |                        |            | Throw | 1-2-3 | 2-2-5  | 3-4-8   | 4-6-11   | 6-9-13   | 8-10-15  | 9-11-16  | 11-13-18 | 12-15-21 |
|                   |                        | NC         | <10   | <10   | <10    | 13      | 22       | 29       | 34       | 42       | 50       |          |
|                   |                        | Vertical   | Ps    | .003  | .007   | .020    | .052     | .117     | .183     | .263     | .468     | .831     |
|                   |                        |            | Pt    | .003  | .008   | .022    | .056     | .125     | .196     | .282     | .501     | .891     |
|                   |                        |            | Throw | 0-1-1 | 1-1-2  | 1-1-3   | 1-2-4    | 2-3-7    | 3-4-8    | 3-5-10   | 4-7-13   | 6-9-17   |
|                   | NC                     |            | <10   | <10   | <10    | <10     | 19       | 25       | 30       | 37       | 45       |          |
|                   | 4' Length<br>8" Inlet  | Horizontal | CFM   | 40    | 60     | 100     | 160      | 240      | 300      | 360      | 480      | 640      |
|                   |                        |            | Ps    | .004  | .009   | .026    | .068     | .152     | .237     | .342     | .608     | 1.081    |
|                   |                        |            | Pt    | .005  | .012   | .032    | .082     | .186     | .290     | .417     | .742     | 1.319    |
|                   |                        |            | Throw | 2-2-5 | 2-3-7  | 4-6-12  | 6-9-15   | 9-13-18  | 12-15-21 | 13-16-23 | 15-18-26 | 17-21-30 |
|                   |                        | NC         | <10   | <10   | <10    | 16      | 25       | 32       | 37       | 45       | 53       |          |
|                   |                        | Vertical   | Ps    | .003  | .007   | .020    | .051     | .115     | .179     | .258     | .458     | .815     |
|                   |                        |            | Pt    | .004  | .009   | .026    | .066     | .148     | .231     | .333     | .593     | 1.054    |
|                   |                        |            | Throw | 1-1-2 | 1-2-4  | 2-3-6   | 3-5-10   | 5-7-14   | 6-9-18   | 7-11-21  | 10-14-29 | 13-19-38 |
|                   | NC                     |            | <10   | <10   | <10    | 12      | 22       | 28       | 33       | 40       | 48       |          |
|                   | 5' Length<br>10" Inlet | Horizontal | CFM   | 50    | 75     | 125     | 200      | 300      | 375      | 450      | 600      | 800      |
|                   |                        |            | Ps    | .004  | .009   | .026    | .066     | .149     | .233     | .335     | .596     | 1.059    |
|                   |                        |            | Pt    | .005  | .011   | .031    | .078     | .176     | .275     | .395     | .703     | 1.249    |
|                   |                        |            | Throw | 3-4-8 | 4-6-10 | 7-9-13  | 10-12-17 | 12-15-21 | 13-16-23 | 15-18-25 | 17-21-29 | 19-24-34 |
|                   |                        | NC         | <10   | <10   | <10    | 18      | 27       | 34       | 39       | 47       | 55       |          |
|                   |                        | Vertical   | Ps    | .003  | .007   | .020    | .050     | .112     | .176     | .253     | .449     | .799     |
| Pt                |                        |            | .004  | .009  | .024   | .062    | .139     | .217     | .313     | .556     | .989     |          |
| Throw             |                        |            | 1-2-3 | 2-2-5 | 3-4-8  | 4-7-13  | 7-10-20  | 8-12-25  | 10-15-30 | 13-20-40 | 18-27-53 |          |
| NC                | <10                    |            | <10   | <10   | 14     | 24      | 30       | 35       | 42       | 50       |          |          |

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XG-PHPS

**SERIES XG-PHP PERFORMANCE DATA**  
**MODEL XG-PHPS/XG-PHPSI TWO SLOT**

|                        |                       | CFM/LF     | 10    | 15    | 25     | 40      | 60       | 75       | 90       | 120      | 160      |          |
|------------------------|-----------------------|------------|-------|-------|--------|---------|----------|----------|----------|----------|----------|----------|
| 1/2" Slot Width        | 2' Length<br>8" Inlet | Horizontal | CFM   | 20    | 30     | 50      | 80       | 120      | 150      | 180      | 240      | 320      |
|                        |                       |            | Ps    | .005  | .012   | .032    | .083     | .186     | .291     | .419     | .745     | 1.324    |
|                        |                       |            | Pt    | .005  | .012   | .034    | .086     | .195     | .304     | .438     | .778     | 1.383    |
|                        |                       |            | Throw | 1-2-3 | 2-2-5  | 3-4-8   | 4-6-12   | 6-9-17   | 8-12-19  | 9-14-21  | 13-17-24 | 16-20-28 |
|                        |                       | NC         | <10.  | <10.  | <10.   | 15      | 26       | 32       | 37       | 43       | 51       |          |
|                        |                       | Vertical   | Ps    | .005  | .011   | .029    | .075     | .169     | .264     | .380     | .675     | 1.200    |
|                        |                       |            | Pt    | .005  | .011   | .031    | .079     | .177     | .277     | .398     | .708     | 1.259    |
|                        |                       |            | Throw | 0-0-2 | 0-1-3  | 1-2-6   | 3-5-9    | 5-7-14   | 6-9-17   | 7-10-21  | 9-14-28  | 12-19-37 |
|                        | NC                    |            | <10.  | <10.  | <10.   | 14      | 26       | 33       | 37       | 44       | 51       |          |
|                        | 4' Length<br>8" Inlet | Horizontal | CFM   | 40    | 60     | 10      | 160      | 240      | 300      | 360      | 480      | 640      |
|                        |                       |            | Ps    | .005  | .011   | .032    | .081     | .183     | .285     | .411     | .730     | 1.298    |
|                        |                       |            | Pt    | .006  | .014   | .038    | .096     | .216     | .338     | .486     | .864     | 1.536    |
|                        |                       |            | Throw | 1-2-4 | 2-3-7  | 4-5-11  | 6-9-18   | 9-13-24  | 11-16-27 | 13-20-30 | 18-24-34 | 23-28-39 |
|                        |                       | NC         | <10.  | <10.  | <10.   | 18      | 29       | 35       | 40       | 46       | 54       |          |
|                        |                       | Vertical   | Ps    | .005  | .010   | .029    | .074     | .165     | .258     | .372     | .662     | 1.176    |
|                        |                       |            | Pt    | .006  | .012   | .035    | .088     | .199     | .311     | .446     | .796     | 1.415    |
|                        |                       |            | Throw | 0-1-2 | 1-1-5  | 2-3-8   | 4-7-13   | 7-10-20  | 8-12-24  | 10-15-29 | 13-20-39 | 17-26-52 |
|                        | NC                    |            | <10.  | <10.  | <10.   | 17      | 29       | 36       | 40       | 47       | 54       |          |
| 5' Length<br>10" Inlet | Horizontal            | CFM        | 50    | 75    | 125    | 200     | 300      | 375      | 450      | 600      | 800      |          |
|                        |                       | Ps         | .005  | .011  | .031   | .079    | .179     | .279     | .402     | .715     | 1.272    |          |
|                        |                       | Pt         | .006  | .013  | .036   | .091    | .206     | .321     | .463     | .822     | 1.462    |          |
|                        |                       | Throw      | 2-3-6 | 3-4-8 | 4-6-13 | 7-10-21 | 10-16-27 | 13-19-30 | 16-23-33 | 21-27-38 | 25-31-44 |          |
|                        | NC                    | <10.       | <10.  | <10.  | 20     | 31      | 37       | 42       | 48       | 56       |          |          |
|                        | Vertical              | Ps         | .005  | .010  | .028   | .072    | .162     | .253     | .365     | .648     | 1.153    |          |
|                        |                       | Pt         | .005  | .012  | .033   | .084    | .189     | .295     | .425     | .755     | 1.343    |          |
|                        |                       | Throw      | 0-1-3 | 1-2-6 | 2-5-10 | 5-8-16  | 8-12-24  | 10-15-31 | 12-18-37 | 16-24-49 | 22-33-65 |          |
| NC                     |                       | <10.       | <10.  | <10.  | 19     | 31      | 38       | 42       | 49       | 56       |          |          |
| 3/4" Slot Width        | 2' Length<br>8" Inlet | Horizontal | CFM   | 20    | 30     | 50      | 80       | 120      | 150      | 180      | 240      | 320      |
|                        |                       |            | Ps    | .004  | .008   | .023    | .059     | .133     | .208     | .299     | .532     | .946     |
|                        |                       |            | Pt    | .004  | .009   | .025    | .063     | .141     | .221     | .318     | .565     | 1.005    |
|                        |                       |            | Throw | 1-2-3 | 2-2-5  | 3-4-8   | 4-6-12   | 6-9-17   | 8-11-19  | 9-14-21  | 12-17-24 | 16-20-28 |
|                        |                       | NC         | <10.  | <10.  | <10.   | <10.    | 20       | 26       | 31       | 38       | 44       |          |
|                        |                       | Vertical   | Ps    | .003  | .008   | .021    | .054     | .122     | .191     | .275     | .490     | .871     |
|                        |                       |            | Pt    | .004  | .008   | .023    | .058     | .131     | .204     | .294     | .523     | .930     |
|                        |                       |            | Throw | 0-0-2 | 0-1-3  | 1-2-6   | 3-5-9    | 5-7-14   | 6-9-17   | 7-10-21  | 9-14-27  | 12-18-37 |
|                        | NC                    |            | <10.  | <10.  | <10.   | <10.    | 17       | 26       | 31       | 37       | 42       |          |
|                        | 4' Length<br>8" Inlet | Horizontal | CFM   | 40    | 60     | 100     | 160      | 240      | 300      | 360      | 480      | 640      |
|                        |                       |            | Ps    | .004  | .008   | .023    | .058     | .130     | .204     | .293     | .521     | .927     |
|                        |                       |            | Pt    | .005  | .010   | .028    | .073     | .164     | .256     | .369     | .656     | 1.165    |
|                        |                       |            | Throw | 2-3-5 | 3-4-8  | 4-7-13  | 7-11-20  | 11-16-24 | 13-19-27 | 16-21-30 | 20-24-34 | 23-28-39 |
|                        |                       | NC         | <10.  | <10.  | <10.   | 14      | 23       | 29       | 34       | 41       | 47       |          |
|                        |                       | Vertical   | Ps    | .003  | .008   | .021    | .053     | .120     | .188     | .270     | .480     | .854     |
|                        |                       |            | Pt    | .004  | .010   | .027    | .068     | .154     | .240     | .346     | .614     | 1.092    |
|                        |                       |            | Throw | 0-1-2 | 1-1-5  | 1-3-8   | 4-6-13   | 6-10-19  | 8-12-24  | 10-14-29 | 13-19-38 | 17-25-51 |
|                        | NC                    |            | <10.  | <10.  | <10.   | <10.    | 20       | 29       | 34       | 40       | 45       |          |
| 5' Length<br>10" Inlet | Horizontal            | CFM        | 50    | 75    | 125    | 200     | 300      | 375      | 450      | 600      | 800      |          |
|                        |                       | Ps         | .003  | .008  | .022   | .056    | .125     | .196     | .282     | .501     | .890     |          |
|                        |                       | Pt         | .004  | .009  | .026   | .067    | .152     | .237     | .342     | .607     | 1.080    |          |
|                        |                       | Throw      | 2-3-5 | 3-4-8 | 4-6-13 | 7-10-21 | 10-15-27 | 13-19-30 | 15-21-33 | 21-27-38 | 25-31-44 |          |
|                        | NC                    | <10.       | <10.  | <10.  | 16     | 25      | 31       | 36       | 43       | 49       |          |          |
|                        | Vertical              | Ps         | .003  | .007  | .020   | .051    | .115     | .180     | .259     | .461     | .819     |          |
|                        |                       | Pt         | .004  | .009  | .025   | .063    | .142     | .222     | .319     | .568     | 1.009    |          |
|                        |                       | Throw      | 0-1-3 | 1-2-6 | 2-5-10 | 5-8-15  | 8-12-23  | 10-15-29 | 12-17-35 | 15-23-46 | 21-31-62 |          |
| NC                     |                       | <10.       | <10.  | <10.  | <10.   | 22      | 31       | 36       | 42       | 47       |          |          |

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**MODEL XG-PHPS/XG-PHPSI TWO SLOT**

|                   |                        | CFM/LF     | 10    | 15    | 25    | 40     | 60      | 75       | 90       | 120      | 160      |          |
|-------------------|------------------------|------------|-------|-------|-------|--------|---------|----------|----------|----------|----------|----------|
| 1" Slot Width     | 2' Length<br>8" Inlet  | Horizontal | CFM   | 20    | 30    | 50     | 80      | 120      | 150      | 180      | 240      | 320      |
|                   |                        |            | Ps    | .002  | .005  | .014   | .035    | .080     | .124     | .179     | .318     | .566     |
|                   |                        |            | Pt    | .002  | .005  | .015   | .039    | .088     | .137     | .198     | .352     | .626     |
|                   |                        |            | Throw | 1-1-3 | 1-2-4 | 2-4-7  | 4-6-12  | 6-9-17   | 7-11-19  | 9-13-21  | 12-17-24 | 15-20-28 |
|                   |                        | NC         | <10   | <10   | <10   | <10    | 17      | 24       | 29       | 35       | 40       |          |
|                   |                        | Vertical   | Ps    | .002  | .005  | .013   | .034    | .077     | .120     | .172     | .306     | .545     |
|                   |                        |            | Pt    | .002  | .005  | .015   | .038    | .085     | .133     | .191     | .340     | .604     |
|                   |                        |            | Throw | 0-0-1 | 0-0-2 | 0-1-4  | 1-3-6   | 3-5-9    | 4-6-12   | 5-7-14   | 6-9-19   | 8-12-25  |
|                   | NC                     |            | <10   | <10   | <10   | <10    | 16      | 24       | 30       | 37       | 42       |          |
|                   | 4' Length<br>8" Inlet  | Horizontal | CFM   | 40    | 60    | 100    | 160     | 240      | 300      | 360      | 480      | 640      |
|                   |                        |            | Ps    | .002  | .005  | .014   | .035    | .078     | .122     | .176     | .312     | .555     |
|                   |                        |            | Pt    | .003  | .007  | .019   | .050    | .112     | .174     | .251     | .446     | .793     |
|                   |                        |            | Throw | 1-2-4 | 2-3-6 | 4-5-11 | 6-9-17  | 9-13-24  | 11-16-27 | 13-19-30 | 17-24-34 | 23-28-39 |
|                   |                        | NC         | <10   | <10   | <10   | <10    | 20      | 27       | 32       | 38       | 43       |          |
|                   |                        | Vertical   | Ps    | .002  | .005  | .013   | .033    | .075     | .117     | .169     | .300     | .534     |
|                   |                        |            | Pt    | .003  | .007  | .019   | .048    | .109     | .170     | .244     | .435     | .772     |
|                   |                        |            | Throw | 0-0-1 | 0-1-2 | 1-2-5  | 2-4-9   | 4-7-13   | 5-8-16   | 7-10-20  | 9-13-26  | 12-18-35 |
|                   | NC                     |            | <10   | <10   | <10   | <10    | 19      | 27       | 33       | 40       | 45       |          |
|                   | 5' Length<br>10" Inlet | Horizontal | CFM   | 50    | 75    | 125    | 200     | 300      | 375      | 450      | 600      | 800      |
|                   |                        |            | Ps    | .002  | .005  | .013   | .034    | .076     | .118     | .170     | .300     | .538     |
|                   |                        |            | Pt    | .003  | .006  | .018   | .046    | .102     | .160     | .230     | .410     | .728     |
|                   |                        |            | Throw | 2-2-5 | 2-4-7 | 4-6-12 | 7-10-20 | 10-15-27 | 12-18-30 | 15-22-33 | 20-27-38 | 25-31-44 |
|                   |                        | NC         | <10   | <10   | <10   | 11     | 22      | 29       | 34       | 40       | 45       |          |
|                   |                        | Vertical   | Ps    | .002  | .005  | .013   | .032    | .073     | .114     | .164     | .291     | .518     |
| Pt                |                        |            | .003  | .006  | .017  | .044   | .100    | .156     | .224     | .398     | .708     |          |
| Throw             |                        |            | 0-0-1 | 0-1-3 | 1-2-7 | 3-5-11 | 5-8-16  | 7-10-20  | 8-12-24  | 11-16-32 | 14-21-43 |          |
| NC                | <10                    |            | <10   | <10   | <10   | 21     | 29      | 35       | 42       | 47       |          |          |
| 1 1/2" Slot Width | 2' Length<br>8" Inlet  | Horizontal | CFM   | 20    | 30    | 50     | 80      | 120      | 150      | 180      | 240      | 320      |
|                   |                        |            | Ps    | .001  | .002  | .007   | .018    | .040     | .062     | .089     | .159     | .282     |
|                   |                        |            | Pt    | .001  | .003  | .008   | .021    | .048     | .075     | .108     | .192     | .342     |
|                   |                        |            | Throw | 1-1-3 | 1-2-4 | 2-3-7  | 4-5-11  | 5-8-16   | 7-10-19  | 8-12-21  | 11-16-24 | 14-20-28 |
|                   |                        | NC         | <10   | <10   | <10   | <10    | 12      | 17       | 21       | 29       | 37       |          |
|                   |                        | Vertical   | Ps    | .001  | .002  | .006   | .014    | .033     | .051     | .073     | .130     | .232     |
|                   |                        |            | Pt    | .001  | .003  | .007   | .018    | .041     | .064     | .092     | .164     | .291     |
|                   |                        |            | Throw | 0-0-0 | 0-0-1 | 0-0-2  | 1-1-4   | 1-3-7    | 2-4-8    | 3-5-10   | 4-7-13   | 6-9-18   |
|                   | NC                     |            | <10   | <10   | <10   | <10    | <10     | 10       | 15       | 23       | 30       |          |
|                   | 4' Length<br>10" Inlet | Horizontal | CFM   | 40    | 60    | 100    | 160     | 240      | 300      | 360      | 480      | 640      |
|                   |                        |            | Ps    | .001  | .002  | .007   | .017    | .039     | .060     | .087     | .154     | .274     |
|                   |                        |            | Pt    | .002  | .003  | .010   | .025    | .056     | .087     | .125     | .223     | .396     |
|                   |                        |            | Throw | 2-2-5 | 2-3-7 | 4-6-12 | 6-9-19  | 9-14-24  | 12-17-27 | 14-21-30 | 19-24-34 | 23-28-39 |
|                   |                        | NC         | <10   | <10   | <10   | <10    | 15      | 20       | 24       | 32       | 40       |          |
|                   |                        | Vertical   | Ps    | .001  | .002  | .005   | .014    | .032     | .049     | .071     | .127     | .225     |
|                   |                        |            | Pt    | .001  | .003  | .008   | .022    | .049     | .076     | .110     | .195     | .347     |
|                   |                        |            | Throw | 0-0-0 | 0-0-1 | 0-1-2  | 1-1-6   | 1-3-9    | 2-5-11   | 3-7-14   | 6-9-18   | 8-12-20  |
|                   | NC                     |            | <10   | <10   | <10   | <10    | <10     | 13       | 18       | 26       | 33       |          |
|                   | 5' Length<br>12" Inlet | Horizontal | CFM   | 50    | 75    | 125    | 200     | 300      | 375      | 450      | 600      | 800      |
|                   |                        |            | Ps    | .001  | .002  | .006   | .016    | .037     | .058     | .083     | .148     | .263     |
|                   |                        |            | Pt    | .001  | .003  | .009   | .024    | .053     | .083     | .120     | .213     | .378     |
|                   |                        |            | Throw | 2-2-5 | 2-4-7 | 4-6-12 | 6-9-10  | 9-14-27  | 12-18-30 | 14-21-33 | 19-27-38 | 25-31-44 |
|                   |                        | NC         | <10   | <10   | <10   | 11     | 17      | 22       | 26       | 34       | 42       |          |
|                   |                        | Vertical   | Ps    | .001  | .002  | .005   | .014    | .030     | .047     | .068     | .122     | .216     |
| Pt                |                        |            | .001  | .003  | .008  | .021   | .047    | .073     | .105     | .186     | .331     |          |
| Throw             |                        |            | 0-0-1 | 0-0-1 | 0-1-4 | 1-2-8  | 2-6-12  | 4-7-15   | 6-9-18   | 8-12-23  | 10-16-31 |          |
| NC                | <10                    |            | <10   | <10   | <10   | 11     | 15      | 20       | 28       | 35       |          |          |

PLENUM SLOT  
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XG-PHPS

**SERIES XG-PHP PERFORMANCE DATA**  
**MODEL XG-PHPS/XG-PHPSI THREE SLOT**

|                        |                        | CFM/LF     | 10      | 15       | 25       | 40       | 60       | 75       | 90       | 120      | 250      |       |
|------------------------|------------------------|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
| 1/2" Slot Width        | 2' Length<br>8" Inlet  | Horizontal | CFM     | 50       | 80       | 120      | 160      | 200      | 240      | 320      | 400      | 500   |
|                        |                        |            | Ps      | .012     | .030     | .068     | .121     | .188     | .271     | .483     | .754     | 1.178 |
|                        |                        |            | Pt      | .013     | .034     | .076     | .136     | .212     | .305     | .542     | .847     | 1.324 |
|                        |                        | Throw      | 4-6-12  | 6-9-15   | 9-13-19  | 12-15-21 | 14-17-24 | 15-19-26 | 18-21-30 | 20-24-34 | 22-27-38 |       |
|                        |                        | NC         | <10     | <10      | 16       | 23       | 29       | 34       | 41       | 48       | 55       |       |
|                        |                        | Vertical   | Ps      | .009     | .023     | .052     | .092     | .144     | .207     | .368     | .576     | .900  |
|                        | Pt                     |            | .010    | .027     | .060     | .107     | .167     | .241     | .428     | .669     | 1.045    |       |
|                        | Throw                  |            | 0-1-3   | 1-2-7    | 2-4-11   | 3-7-15   | 5-9-18   | 7-11-21  | 10-15-25 | 12-18-27 | 15-22-31 |       |
|                        | 4' Length<br>8" Inlet  | Horizontal | CFM     | 100      | 160      | 240      | 320      | 400      | 480      | 640      | 800      | 1000  |
|                        |                        |            | Ps      | .012     | .030     | .067     | .118     | .185     | .266     | .473     | .739     | 1.155 |
|                        |                        |            | Pt      | .017     | .044     | .100     | .178     | .278     | .400     | .712     | 1.112    | 1.737 |
|                        |                        | Throw      | 4-6-12  | 6-9-19   | 9-14-26  | 13-19-30 | 16-24-34 | 19-26-37 | 25-30-43 | 28-34-48 | 31-38-54 |       |
|                        |                        | NC         | <10     | 11       | 19       | 26       | 32       | 37       | 44       | 51       | 58       |       |
|                        |                        | Vertical   | Ps      | .009     | .023     | .051     | .090     | .141     | .203     | .361     | .564     | .882  |
|                        | Pt                     |            | .015    | .037     | .084     | .150     | .234     | .337     | .600     | .937     | 1.464    |       |
|                        | Throw                  |            | 0-1-4   | 1-3-10   | 3-6-15   | 4-10-21  | 7-13-26  | 10-15-30 | 14-21-35 | 17-26-39 | 21-31-43 |       |
|                        | 5' Length<br>10" Inlet | Horizontal | CFM     | 125      | 200      | 300      | 400      | 500      | 600      | 800      | 1000     | 1250  |
|                        |                        |            | Ps      | .011     | .029     | .065     | .116     | .181     | .261     | .464     | .724     | 1.132 |
| Pt                     |                        |            | .016    | .041     | .092     | .163     | .255     | .368     | .654     | 1.021    | 1.596    |       |
| Throw                  |                        | 4-6-13     | 7-10-20 | 10-15-29 | 13-20-34 | 17-25-38 | 20-29-42 | 27-34-48 | 31-38-54 | 35-42-60 |          |       |
| NC                     |                        | <10        | 13      | 21       | 28       | 34       | 39       | 46       | 53       | 60       |          |       |
| Vertical               |                        | Ps         | .009    | .022     | .050     | .089     | .138     | .199     | .354     | .553     | .864     |       |
|                        | Pt                     | .013       | .034    | .077     | .136     | .213     | .306     | .544     | .850     | 1.328    |          |       |
|                        | Throw                  | 1-1-5      | 1-3-12  | 3-7-18   | 6-12-24  | 9-15-30  | 12-18-34 | 16-24-39 | 21-31-43 | 25-34-49 |          |       |
| 3/4" Slot Width        | 2' Length<br>8" Inlet  | Horizontal | CFM     | 50       | 80       | 120      | 160      | 200      | 240      | 320      | 400      | 500   |
|                        |                        |            | Ps      | .008     | .022     | .049     | .087     | .135     | .195     | .346     | .541     | .845  |
|                        |                        |            | Pt      | .010     | .025     | .057     | .101     | .159     | .228     | .406     | .634     | .991  |
|                        |                        | Throw      | 3-5-9   | 5-8-15   | 8-11-19  | 10-15-21 | 13-17-24 | 15-19-26 | 18-21-30 | 20-24-34 | 22-27-38 |       |
|                        |                        | NC         | <10     | <10      | <10      | 18       | 23       | 27       | 34       | 40       | 45       |       |
|                        |                        | Vertical   | Ps      | .006     | .016     | .037     | .066     | .103     | .148     | .263     | .411     | .643  |
| Pt                     | .008                   |            | .020    | .045     | .081     | .126     | .182     | .323     | .504     | .788     |          |       |
| Throw                  | 0-0-2                  |            | 1-1-5   | 1-3-9    | 2-5-13   | 3-7-16   | 5-9-19   | 8-13-25  | 10-16-27 | 13-20-31 |          |       |
| 4' Length<br>10" Inlet | Horizontal             | CFM        | 100     | 160      | 240      | 320      | 400      | 480      | 640      | 800      | 1000     |       |
|                        |                        | Ps         | .008    | .021     | .048     | .085     | .133     | .191     | .339     | .530     | .829     |       |
|                        |                        | Pt         | .011    | .029     | .065     | .115     | .180     | .259     | .461     | .720     | 1.126    |       |
|                        | Throw                  | 5-7-15     | 8-12-21 | 12-18-26 | 16-21-30 | 10-24-34 | 21-26-37 | 25-30-43 | 28-34-48 | 31-38-54 |          |       |
|                        | NC                     | <10        | <10     | 15       | 21       | 26       | 30       | 37       | 43       | 48       |          |       |
|                        | Vertical               | Ps         | .006    | .016     | .036     | .065     | .101     | .145     | .258     | .403     | .630     |       |
| Pt                     |                        | .009       | .024    | .053     | .095     | .148     | .214     | .380     | .593     | .927     |          |       |
| Throw                  |                        | 1-2-7      | 2-5-13  | 5-10-19  | 8-13-25  | 11-16-27 | 13-19-30 | 17-25-35 | 21-27-39 | 25-31-43 |          |       |
| 5' Length<br>10" Inlet | Horizontal             | CFM        | 125     | 200      | 300      | 400      | 500      | 600      | 800      | 1000     | 1250     |       |
|                        |                        | Ps         | .008    | .021     | .047     | .083     | .130     | .187     | .333     | .520     | .812     |       |
|                        |                        | Pt         | .013    | .033     | .074     | .131     | .204     | .294     | .523     | .817     | 1.276    |       |
|                        | Throw                  | 6-8-17     | 9-13-24 | 13-20-29 | 18-24-34 | 22-27-38 | 24-29-42 | 28-34-48 | 31-38-54 | 35-42-60 |          |       |
|                        | NC                     | <10        | 10      | 17       | 23       | 28       | 32       | 39       | 45       | 50       |          |       |
|                        | Vertical               | Ps         | .006    | .016     | .036     | .063     | .099     | .142     | .253     | .395     | .617     |       |
| Pt                     |                        | .011       | .028    | .062     | .111     | .173     | .249     | .443     | .692     | 1.081    |          |       |
| Throw                  |                        | 1-3-10     | 3-7-16  | 7-12-23  | 10-16-27 | 13-19-31 | 16-23-34 | 21-27-39 | 25-31-43 | 28-34-49 |          |       |
| NC                     | <10                    | <10        | 13      | 23       | 31       | 38       | 46       | 52       | 58       |          |          |       |

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XG-PHPS

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**MODEL XG-PHPS/XG-PHPSI THREE SLOT**

|                   |                        | CFM/LF     | 10    | 15     | 25     | 40      | 60       | 75       | 90       | 120      | 250      |          |
|-------------------|------------------------|------------|-------|--------|--------|---------|----------|----------|----------|----------|----------|----------|
| 1" Slot Width     | 2' Length<br>10" Inlet | Horizontal | CFM   | 50     | 80     | 120     | 160      | 200      | 240      | 320      | 400      | 500      |
|                   |                        |            | Ps    | .005   | .013   | .029    | .052     | .081     | .117     | .208     | .325     | .507     |
|                   |                        |            | Pt    | .006   | .015   | .033    | .060     | .093     | .134     | .238     | .372     | .581     |
|                   |                        |            | Throw | 3-4-8  | 4-7-13 | 7-10-19 | 9-13-21  | 11-16-24 | 13-19-26 | 17-21-30 | 20-24-34 | 22-27-38 |
|                   |                        | NC         | <10   | <10    | <10    | 17      | 25       | 31       | 39       | 46       | 54       |          |
|                   |                        | Vertical   | Ps    | .004   | .010   | .022    | .039     | .062     | .089     | .158     | .247     | .386     |
|                   |                        |            | Pt    | .005   | .012   | .026    | .047     | .074     | .106     | .188     | .294     | .460     |
|                   |                        |            | Throw | 0-0-2  | 0-1-4  | 1-2-7   | 2-4-9    | 3-6-11   | 4-7-14   | 6-9-18   | 8-11-23  | 10-14-29 |
|                   | NC                     |            | <10   | <10    | <10    | 14      | 21       | 27       | 35       | 41       | 45       |          |
|                   | 4' Length<br>10" Inlet | Horizontal | CFM   | 100    | 160    | 240     | 320      | 400      | 480      | 640      | 800      | 1000     |
|                   |                        |            | Ps    | .005   | .013   | .029    | .051     | .080     | .115     | .204     | .318     | .497     |
|                   |                        |            | Pt    | .008   | .020   | .046    | .081     | .127     | .183     | .325     | .508     | .794     |
|                   |                        |            | Throw | 3-5-10 | 5-8-16 | 8-12-24 | 11-16-30 | 13-20-34 | 16-24-37 | 21-30-43 | 27-34-48 | 31-38-54 |
|                   |                        | NC         | <10   | <10    | 11     | 20      | 28       | 34       | 42       | 49       | 57       |          |
|                   |                        | Vertical   | Ps    | .004   | .010   | .022    | .039     | .060     | .087     | .155     | .242     | .378     |
|                   |                        |            | Pt    | .007   | .017   | .039    | .069     | .108     | .156     | .276     | .432     | .675     |
|                   |                        |            | Throw | 0-1-3  | 1-2-7  | 2-4-11  | 3-7-14   | 5-9-18   | 7-11-21  | 9-14-28  | 12-18-36 | 15-22-43 |
|                   | NC                     |            | <10   | <10    | <10    | 17      | 24       | 30       | 38       | 44       | 48       |          |
|                   | 5' Length<br>12" Inlet | Horizontal | CFM   | 125    | 200    | 300     | 400      | 500      | 600      | 800      | 1000     | 1250     |
|                   |                        |            | Ps    | .005   | .012   | .028    | .050     | .078     | .112     | .200     | .312     | .487     |
|                   |                        |            | Pt    | .008   | .020   | .044    | .079     | .123     | .177     | .315     | .492     | .768     |
|                   |                        |            | Throw | 4-6-11 | 6-9-18 | 9-13-26 | 12-18-34 | 15-22-38 | 18-26-42 | 24-34-48 | 29-38-54 | 35-42-60 |
|                   |                        | NC         | <10   | <10    | 13     | 22      | 30       | 36       | 44       | 51       | 59       |          |
|                   |                        | Vertical   | Ps    | .004   | .009   | .021    | .038     | .059     | .085     | .152     | .237     | .370     |
| Pt                |                        |            | .007  | .017   | .038   | .067    | .104     | .150     | .267     | .417     | .651     |          |
| Throw             |                        |            | 1-1-5 | 1-3-9  | 3-7-14 | 6-9-19  | 8-12-24  | 9-14-28  | 13-19-38 | 16-24-43 | 20-29-49 |          |
| NC                | <10                    |            | <10   | 12     | 19     | 26      | 32       | 40       | 46       | 50       |          |          |
| 1 1/2" Slot Width | 2' Length<br>10" Inlet | Horizontal | CFM   | 50     | 80     | 120     | 160      | 200      | 240      | 320      | 400      | 500      |
|                   |                        |            | Ps    | .003   | .006   | .015    | .026     | .041     | .058     | .104     | .162     | .254     |
|                   |                        |            | Pt    | .003   | .008   | .019    | .034     | .052     | .076     | .134     | .210     | .328     |
|                   |                        |            | Throw | 2-3-6  | 3-5-10 | 5-7-15  | 7-10-20  | 8-12-24  | 10-15-26 | 13-20-30 | 16-24-34 | 21-27-38 |
|                   |                        | NC         | <10   | <10    | <10    | 11      | 15       | 19       | 27       | 33       | 40       |          |
|                   |                        | Vertical   | Ps    | .002   | .005   | .011    | .020     | .031     | .044     | .079     | .123     | .193     |
|                   |                        |            | Pt    | .003   | .007   | .015    | .027     | .043     | .062     | .109     | .171     | .267     |
|                   |                        |            | Throw | 0-0-1  | 0-1-3  | 1-2-4   | 1-3-6    | 2-4-7    | 3-4-9    | 4-6-12   | 5-7-15   | 6-9-10   |
|                   | NC                     |            | <10   | <10    | <10    | <10     | <10      | <10      | 16       | 20       | 24       |          |
|                   | 4' Length<br>12" Inlet | Horizontal | CFM   | 100    | 160    | 240     | 320      | 400      | 480      | 640      | 800      | 1000     |
|                   |                        |            | Ps    | .002   | .006   | .014    | .025     | .040     | .057     | .102     | .159     | .249     |
|                   |                        |            | Pt    | .004   | .011   | .025    | .044     | .069     | .099     | .175     | .274     | .428     |
|                   |                        |            | Throw | 2-3-7  | 4-5-11 | 5-8-16  | 7-11-22  | 9-14-27  | 11-16-32 | 14-22-43 | 18-27-48 | 23-34-50 |
|                   |                        | NC         | <10   | <10    | <10    | 14      | 18       | 22       | 30       | 36       | 43       |          |
|                   |                        | Vertical   | Ps    | .002   | .005   | .011    | .019     | .030     | .044     | .077     | .121     | .189     |
|                   |                        |            | Pt    | .004   | .009   | .021    | .038     | .059     | .085     | .151     | .236     | .369     |
|                   |                        |            | Throw | 0-0-2  | 1-1-4  | 1-3-6   | 2-4-9    | 3-5-11   | 4-6-13   | 6-9-17   | 7-11-22  | 9-14-27  |
|                   | NC                     |            | <10   | <10    | <10    | <10     | <10      | 13       | 19       | 23       | 27       |          |
|                   | 5' Length<br>12" Inlet | Horizontal | CFM   | 125    | 200    | 300     | 400      | 500      | 600      | 800      | 1000     | 1250     |
|                   |                        |            | Ps    | .002   | .006   | .014    | .025     | .039     | .056     | .100     | .156     | .244     |
|                   |                        |            | Pt    | .005   | .013   | .030    | .054     | .084     | .121     | .215     | .336     | .524     |
|                   |                        |            | Throw | 3-4-9  | 5-7-14 | 7-11-22 | 10-14-29 | 12-18-36 | 14-22-42 | 19-29-48 | 24-36-54 | 30-42-60 |
|                   |                        | NC         | <10   | <10    | 12     | 16      | 20       | 24       | 32       | 38       | 45       |          |
|                   |                        | Vertical   | Ps    | .002   | .005   | .011    | .019     | .030     | .043     | .076     | .119     | .185     |
| Pt                |                        |            | .005  | .012   | .027   | .048    | .075     | .107     | .191     | .298     | .466     |          |
| Throw             |                        |            | 0-1-3 | 1-2-6  | 2-4-9  | 4-6-11  | 5-7-14   | 6-9-17   | 8-11-23  | 9-14-28  | 12-18-35 |          |
| NC                | <10                    |            | <10   | <10    | <10    | 11      | 15       | 21       | 25       | 29       |          |          |

PLENUM SLOT  
DIFFUSERS

PLENUM DIFFUSERS WITH  
ADJUSTABLE PATTERN  
CONTROLLERS

XG-PHPS

**SERIES XG-PHP PERFORMANCE DATA**  
**MODEL XG-PHPS/XG-PHPSI FOUR SLOT**

|                        |                        | CFM/LF     | 10       | 15       | 25       | 40       | 60       | 75       | 90       | 120      | 300      |       |
|------------------------|------------------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|
| 1/2" Slot Width        | 2' Length<br>8" Inlet  | Horizontal | CFM      | 100      | 150      | 160      | 200      | 300      | 350      | 400      | 500      | -     |
|                        |                        |            | Ps       | .033     | .074     | .084     | .131     | .295     | .401     | .524     | .819     | -     |
|                        |                        |            | Pt       | .039     | .087     | .099     | .154     | .347     | .473     | .617     | .965     | -     |
|                        |                        | Throw      | 9-12-16  | 12-14-20 | 12-15-21 | 13-16-23 | 16-20-28 | 18-22-30 | 19-23-33 | 21-26-36 | -        |       |
|                        |                        | NC         | <10      | 15       | 17       | 23       | 35       | 39       | 42       | 48       | -        |       |
|                        |                        | Vertical   | Ps       | .029     | .066     | .075     | .117     | .262     | .357     | .466     | .729     | -     |
|                        | Pt                     |            | .035     | .079     | .090     | .140     | .315     | .428     | .559     | .874     | -        |       |
|                        | Throw                  |            | 1-2-8    | 2-5-12   | 2-5-12   | 4-8-16   | 8-12-20  | 9-14-21  | 10-16-23 | 13-18-25 | -        |       |
|                        | NC                     | <10        | 12       | 13       | 20       | 32       | 36       | 39       | 44       | -        |          |       |
|                        | 4' Length<br>10" Inlet | Horizontal | CFM      | 200      | 300      | 320      | 400      | 600      | 700      | 800      | 1000     | -     |
|                        |                        |            | Ps       | .032     | .072     | .082     | .129     | .289     | .394     | .514     | .803     | -     |
|                        |                        |            | Pt       | .044     | .099     | .113     | .176     | .396     | .539     | .704     | 1.100    | -     |
|                        |                        | Throw      | 12-16-23 | 16-20-28 | 17-21-29 | 19-23-33 | 23-28-40 | 25-30-43 | 27-33-46 | 30-36-51 | -        |       |
|                        |                        | NC         | <10      | 18       | 20       | 26       | 38       | 42       | 45       | 51       | -        |       |
|                        |                        | Vertical   | Ps       | .029     | .064     | .073     | .114     | .257     | .350     | .457     | .714     | -     |
|                        | Pt                     |            | .040     | .091     | .104     | .162     | .364     | .496     | .647     | 1.011    | -        |       |
|                        | Throw                  |            | 1-3-11   | 3-7-16   | 3-8-17   | 5-11-22  | 11-16-28 | 13-19-30 | 15-22-32 | 18-25-36 | -        |       |
|                        | NC                     | <10        | 15       | 16       | 23       | 35       | 39       | 42       | 47       | -        |          |       |
| 5' Length<br>10" Inlet | Horizontal             | CFM        | 250      | 375      | 400      | 500      | 750      | 875      | 1000     | 1250     | -        |       |
|                        |                        | Ps         | .031     | .071     | .081     | .126     | .283     | .386     | .504     | .787     | -        |       |
|                        |                        | Pt         | .050     | .113     | .128     | .200     | .450     | .613     | .801     | 1.251    | -        |       |
|                        | Throw                  | 13-18-26   | 18-22-31 | 19-23-33 | 21-26-36 | 26-31-45 | 28-34-48 | 30-36-51 | 33-41-58 | -        |          |       |
|                        | NC                     | 11         | 20       | 22       | 28       | 40       | 44       | 47       | 53       | -        |          |       |
|                        | Vertical               | Ps         | .028     | .063     | .072     | .112     | .252     | .343     | .448     | .700     | -        |       |
| Pt                     |                        | .047       | .105     | .119     | .186     | .419     | .570     | .745     | 1.164    | -        |          |       |
| Throw                  |                        | 2-4-13     | 4-9-19   | 4-10-21  | 7-13-25  | 13-19-31 | 15-22-33 | 17-25-36 | 21-28-40 | -        |          |       |
| NC                     | 12                     | 17         | 18       | 25       | 37       | 41       | 44       | 49       | -        |          |          |       |
| 3/4" Slot Width        | 2' Length<br>8" Inlet  | Horizontal | CFM      | 100      | 150      | 160      | 200      | 300      | 350      | 400      | 500      | 600   |
|                        |                        |            | Ps       | .025     | .057     | .065     | .101     | .228     | .311     | .406     | .634     | .913  |
|                        |                        |            | Pt       | .031     | .070     | .080     | .125     | .281     | .382     | .499     | .780     | 1.123 |
|                        |                        | Throw      | 9-12-16  | 12-14-20 | 12-15-21 | 13-16-23 | 16-20-28 | 18-22-30 | 19-23-33 | 21-26-36 | 23-28-40 |       |
|                        |                        | NC         | <10      | <10      | <10      | 18       | 29       | 33       | 36       | 42       | 46       |       |
|                        |                        | Vertical   | Ps       | .025     | .057     | .065     | .101     | .227     | .310     | .404     | .63      | .910  |
|                        | Pt                     |            | .031     | .070     | .080     | .124     | .280     | .381     | .498     | .777     | 1.119    |       |
|                        | Throw                  |            | 1-1-5    | 1-3-10   | 2-3-11   | 2-5-13   | 5-10-20  | 7-12-21  | 9-13-23  | 11-17-25 | 13-20-28 |       |
|                        | NC                     | <10        | <10      | <10      | 16       | 29       | 33       | 37       | 41       | 44       |          |       |
|                        | 4' Length<br>10" Inlet | Horizontal | CFM      | 200      | 300      | 320      | 400      | 600      | 700      | 800      | 1000     | 1200  |
|                        |                        |            | Ps       | .025     | .056     | .064     | .099     | .224     | .305     | .398     | .622     | .895  |
|                        |                        |            | Pt       | .037     | .083     | .094     | .147     | .331     | .450     | .588     | .919     | 1.323 |
|                        |                        | Throw      | 6-12-23  | 12-19-28 | 13-20-29 | 17-23-33 | 23-28-40 | 25-30-43 | 27-33-46 | 30-36-51 | 33-40-56 |       |
|                        |                        | NC         | <10      | 14       | 15       | 21       | 32       | 36       | 39       | 45       | 49       |       |
|                        |                        | Vertical   | Ps       | .025     | .056     | .063     | .099     | .223     | .304     | .396     | .620     | .892  |
|                        | Pt                     |            | .037     | .082     | .094     | .147     | .330     | .449     | .587     | .917     | 1.320    |       |
|                        | Throw                  |            | 2-5-13   | 5-10-20  | 6-11-20  | 9-13-23  | 13-20-28 | 16-21-30 | 18-23-32 | 21-25-36 | 23-28-39 |       |
|                        | NC                     | <10        | 10       | 12       | 19       | 32       | 36       | 40       | 44       | 47       |          |       |
| 5' Length<br>10" Inlet | Horizontal             | CFM        | 250      | 375      | 400      | 500      | 750      | 875      | 1000     | 1250     | 1500     |       |
|                        |                        | Ps         | .024     | .055     | .062     | .097     | .219     | .299     | .390     | .609     | .877     |       |
|                        |                        | Pt         | .043     | .097     | .110     | .172     | .386     | .526     | .687     | 1.073    | 1.546    |       |
|                        | Throw                  | 15-18-26   | 18-22-31 | 19-23-33 | 21-26-36 | 26-31-45 | 28-34-48 | 30-36-51 | 33-41-58 | 36-45-63 |          |       |
|                        | NC                     | <10        | 16       | 17       | 23       | 34       | 38       | 41       | 47       | 51       |          |       |
|                        | Vertical               | Ps         | .024     | .055     | .062     | .097     | .219     | .297     | .389     | .607     | .874     |       |
| Pt                     |                        | .043       | .096     | .110     | .171     | .386     | .525     | .686     | 1.071    | 1.543    |          |       |
| Throw                  |                        | 4-8-16     | 8-12-22  | 9-13-23  | 11-16-25 | 16-22-31 | 19-24-33 | 21-25-36 | 23-28-40 | 25-31-44 |          |       |
| NC                     | <10                    | 12         | 14       | 21       | 34       | 38       | 42       | 46       | 49       |          |          |       |

PLENUM SLOT  
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CONTROLLERS

XG-PHPS



**SERIES XG-PHP PERFORMANCE DATA**  
**MODEL XG-PHPS/XG-PHPSI FOUR SLOT**

|                   |                        | CFM/LF     | 10     | 15       | 25       | 40       | 60       | 75       | 90       | 120      | 300      |          |
|-------------------|------------------------|------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1" Slot Width     | 2' Length<br>10" Inlet | Horizontal | CFM    | 100      | 150      | 160      | 200      | 300      | 350      | 400      | 500      | 600      |
|                   |                        |            | Ps     | .017     | .039     | .045     | .070     | .157     | .213     | .279     | .435     | .627     |
|                   |                        |            | Pt     | .020     | .046     | .052     | .082     | .183     | .250     | .326     | .510     | .734     |
|                   |                        |            | Throw  | 8-12-16  | 12-14-20 | 12-15-21 | 13-16-23 | 16-20-28 | 18-22-30 | 19-23-33 | 21-26-36 | 23-28-40 |
|                   |                        | NC         | <10    | <10      | <10      | 16       | 29       | 33       | 36       | 41       | 44       |          |
|                   |                        | Vertical   | Ps     | .017     | .037     | .042     | .066     | .149     | .203     | .265     | .414     | .596     |
|                   |                        |            | Pt     | .020     | .044     | .050     | .078     | .176     | .239     | .312     | .488     | .703     |
|                   |                        |            | Throw  | 1-2-6    | 2-3-9    | 2-4-9    | 3-6-11   | 6-9-17   | 7-10-20  | 8-11-23  | 10-14-25 | 11-17-28 |
|                   | NC                     |            | <10    | <10      | <10      | 13       | 26       | 31       | 34       | 39       | 43       |          |
|                   | 4' Length<br>10" Inlet | Horizontal | CFM    | 200      | 300      | 320      | 400      | 600      | 700      | 800      | 1000     | 1200     |
|                   |                        |            | Ps     | .017     | .038     | .044     | .068     | .154     | .209     | .273     | .427     | .615     |
|                   |                        |            | Pt     | .029     | .065     | .074     | .116     | .261     | .355     | .463     | .724     | 1.042    |
|                   |                        |            | Throw  | 11-16-23 | 16-20-28 | 17-21-29 | 19-23-33 | 23-28-40 | 25-30-43 | 27-33-46 | 30-36-51 | 33-40-56 |
|                   |                        | NC         | <10    | 11       | 13       | 19       | 32       | 36       | 39       | 44       | 47       |          |
|                   |                        | Vertical   | Ps     | .016     | .037     | .042     | .065     | .148     | .199     | .260     | .406     | .584     |
|                   |                        |            | Pt     | .028     | .063     | .072     | .112     | .253     | .344     | .450     | .703     | 1.012    |
|                   |                        |            | Throw  | 1-3-9    | 3-6-13   | 3-7-14   | 5-9-18   | 9-13-27  | 10-16-30 | 12-18-32 | 15-22-36 | 18-27-39 |
|                   | NC                     |            | <10    | <10      | <10      | 16       | 29       | 34       | 37       | 42       | 46       |          |
|                   | 5' Length<br>12" Inlet | Horizontal | CFM    | 250      | 375      | 400      | 500      | 750      | 875      | 1000     | 1250     | 1500     |
|                   |                        |            | Ps     | .017     | .038     | .043     | .067     | .151     | .205     | .268     | .418     | .602     |
|                   |                        |            | Pt     | .028     | .063     | .072     | .112     | .252     | .343     | .447     | .699     | 1.007    |
|                   |                        |            | Throw  | 11-17-36 | 17-22-31 | 18-23-33 | 21-26-36 | 26-31-45 | 28-34-48 | 30-36-51 | 33-41-58 | 36-45-63 |
|                   |                        | NC         | <10    | 13       | 15       | 21       | 34       | 38       | 41       | 46       | 49       |          |
|                   |                        | Vertical   | Ps     | .016     | .036     | .041     | .064     | .143     | .195     | .254     | .398     | .572     |
| Pt                |                        |            | .027   | .061     | .069     | .109     | .244     | .332     | .434     | .678     | .977     |          |
| Throw             |                        |            | 2-5-12 | 5-9-18   | 6-9-19   | 8-12-24  | 12-18-31 | 14-21-33 | 16-24-36 | 20-28-40 | 24-31-44 |          |
| NC                | <10                    |            | 10     | 12       | 18       | 31       | 36       | 39       | 44       | 46       |          |          |
| 1 1/2" Slot Width | 2' Length<br>10" Inlet | Horizontal | CFM    | 100      | 150      | 160      | 200      | 300      | 350      | 400      | 500      | 600      |
|                   |                        |            | Ps     | .016     | .037     | .042     | .066     | .148     | .202     | .264     | .414     | .593     |
|                   |                        |            | Pt     | .019     | .044     | .050     | .078     | .175     | .238     | .311     | .486     | .700     |
|                   |                        |            | Throw  | 6-10-16  | 10-14-20 | 10-15-21 | 13-16-23 | 16-20-28 | 18-22-30 | 19-23-33 | 21-26-36 | 23-28-40 |
|                   |                        | NC         | <10    | <10      | <10      | 10       | 19       | 23       | 27       | 33       | 38       |          |
|                   |                        | Vertical   | Ps     | .012     | .028     | .032     | .050     | .112     | .152     | .198     | .310     | .446     |
|                   |                        |            | Pt     | .015     | .035     | .039     | .061     | .138     | .188     | .246     | .384     | .553     |
|                   |                        |            | Throw  | 1-1-3    | 1-2-4    | 1-2-5    | 2-3-6    | 3-4-9    | 3-5-10   | 4-6-12   | 5-7-15   | 6-9-18   |
|                   | NC                     |            | <10    | <10      | <10      | <10      | 12       | 17       | 21       | 27       | 31       |          |
|                   | 4' Length<br>12" Inlet | Horizontal | CFM    | 200      | 300      | 320      | 400      | 600      | 700      | 800      | 1000     | 1200     |
|                   |                        |            | Ps     | .016     | .036     | .041     | .065     | .145     | .198     | .258     | .404     | .581     |
|                   |                        |            | Pt     | .023     | .053     | .060     | .093     | .210     | .286     | .373     | .583     | .840     |
|                   |                        |            | Throw  | 4-8-21   | 8-16-28  | 10-17-29 | 14-21-33 | 21-28-40 | 25-30-43 | 27-33-46 | 30-36-51 | 33-40-56 |
|                   |                        | NC         | <10    | <10      | <10      | 13       | 22       | 26       | 30       | 36       | 41       |          |
|                   |                        | Vertical   | Ps     | .012     | .027     | .031     | .049     | .109     | .149     | .194     | .304     | .437     |
|                   |                        |            | Pt     | .019     | .044     | .050     | .077     | .174     | .237     | .309     | .483     | .696     |
|                   |                        |            | Throw  | 1-2-4    | 2-3-6    | 2-3-7    | 3-4-9    | 4-6-13   | 5-8-15   | 6-9-17   | 7-11-22  | 9-13-26  |
|                   | NC                     |            | <10    | <10      | <10      | <10      | 15       | 20       | 24       | 30       | 34       |          |
|                   | 5' Length<br>12" Inlet | Horizontal | CFM    | 250      | 375      | 400      | 500      | 750      | 875      | 1000     | 1250     | 1500     |
|                   |                        |            | Ps     | .016     | .036     | .041     | .063     | .142     | .194     | .253     | .396     | .570     |
|                   |                        |            | Pt     | .027     | .061     | .069     | .108     | .244     | .331     | .433     | .676     | .974     |
|                   |                        |            | Throw  | 7-14-26  | 14-21-31 | 15-22-33 | 19-26-36 | 26-31-45 | 28-34-48 | 30-36-51 | 33-41-58 | 36-45-63 |
|                   |                        | NC         | <10    | 11       | 12       | 15       | 24       | 28       | 32       | 38       | 43       |          |
|                   |                        | Vertical   | Ps     | .012     | .027     | .030     | .048     | .107     | .146     | .191     | .298     | .429     |
| Pt                |                        |            | .023   | .052     | .059     | .093     | .208     | .283     | .370     | .578     | .833     |          |
| Throw             |                        |            | 1-3-6  | 3-4-9    | 3-5-9    | 4-6-11   | 6-9-17   | 7-10-20  | 8-11-23  | 9-14-28  | 11-17-34 |          |
| NC                | <10                    |            | <10    | <10      | <10      | 17       | 22       | 26       | 32       | 36       |          |          |

PLENUM SLOT  
DIFFUSERS

PLENUM DIFFUSERS WITH  
ADJUSTABLE PATTERN  
CONTROLLERS

XG-PHPS



**SERIES XG-PHP PERFORMANCE DATA**  
**MODEL XG-PHPR/PHNR**

|                        |                  | CFM/LF      | 10      | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    |     |
|------------------------|------------------|-------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|                        |                  | Negative Ps | 0.016   | 0.032 | 0.052 | 0.076 | 0.103 | 0.134 | 0.168 | 0.206 | 0.246 |     |
| <b>1/2" Slot Width</b> | <b>2' Length</b> | 1 Slot      | Airflow | 20    | 30    | 40    | 50    | 60    | 70    | 80    | 90    | 100 |
|                        |                  |             | NC      | <15   | <15   | <15   | <15   | 16    | 20    | 24    | 28    | 32  |
|                        |                  | 2 Slot      | Airflow | 40    | 60    | 80    | 100   | 120   | 140   | 160   | 180   | 200 |
|                        |                  |             | NC      | <15   | <15   | <15   | 15    | 19    | 23    | 27    | 31    | 35  |
|                        | 3 Slot           | Airflow     | 60      | 90    | 120   | 150   | 180   | 210   | 240   | 270   | 300   |     |
|                        |                  | NC          | <15     | <15   | <15   | 16    | 21    | 25    | 29    | 33    | 36    |     |
|                        | 4 Slot           | Airflow     | 80      | 120   | 160   | 200   | 240   | 280   | 320   | 360   | 400   |     |
|                        |                  | NC          | <15     | <15   | <15   | 18    | 22    | 26    | 30    | 34    | 38    |     |
|                        | <b>4' Length</b> | 1 Slot      | Airflow | 40    | 60    | 80    | 100   | 120   | 140   | 160   | 180   | 200 |
|                        |                  |             | NC      | <15   | <15   | <15   | <15   | 18    | 22    | 26    | 30    | 34  |
|                        |                  | 2 Slot      | Airflow | 80    | 120   | 160   | 200   | 240   | 280   | 320   | 360   | 400 |
|                        |                  |             | NC      | <15   | <15   | <15   | 17    | 21    | 25    | 29    | 33    | 37  |
| 3 Slot                 | Airflow          | 120         | 180     | 240   | 300   | 360   | 420   | 480   | 540   | 600   |       |     |
|                        | NC               | <15         | <15     | <15   | 18    | 23    | 27    | 31    | 35    | 38    |       |     |
| 4 Slot                 | Airflow          | 160         | 240     | 320   | 400   | 480   | 560   | 640   | 720   | 800   |       |     |
|                        | NC               | <15         | <15     | <15   | 20    | 24    | 28    | 32    | 36    | 40    |       |     |
| <b>5' Length</b>       | 1 Slot           | Airflow     | 50      | 75    | 100   | 125   | 150   | 175   | 200   | 225   | 250   |     |
|                        |                  | NC          | <15     | <15   | <15   | 15    | 19    | 23    | 27    | 31    | 35    |     |
|                        | 2 Slot           | Airflow     | 100     | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   |     |
|                        |                  | NC          | <15     | <15   | <15   | 18    | 22    | 26    | 30    | 34    | 38    |     |
| 3 Slot                 | Airflow          | 150         | 225     | 300   | 375   | 450   | 525   | 600   | 675   | 750   |       |     |
|                        | NC               | <15         | <15     | 15    | 19    | 24    | 28    | 32    | 36    | 39    |       |     |
| 4 Slot                 | Airflow          | 200         | 300     | 400   | 500   | 600   | 700   | 800   | 900   | 1000  |       |     |
|                        | NC               | <15         | <15     | 16    | 21    | 25    | 29    | 33    | 37    | 41    |       |     |

|                        |                  | CFM/LF      | 10      | 15    | 20    | 25    | 30    | 40    | 50    | 60    | 70    |     |
|------------------------|------------------|-------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|                        |                  | Negative Ps | 0.012   | 0.024 | 0.040 | 0.058 | 0.079 | 0.129 | 0.189 | 0.257 | 0.334 |     |
| <b>3/4" Slot Width</b> | <b>2' Length</b> | 1 Slot      | Airflow | 20    | 30    | 40    | 50    | 60    | 80    | 100   | 120   | 140 |
|                        |                  |             | NC      | <15   | <15   | <15   | <15   | <15   | 17    | 24    | 29    | 35  |
|                        |                  | 2 Slot      | Airflow | 40    | 60    | 80    | 100   | 120   | 160   | 200   | 240   | 280 |
|                        |                  |             | NC      | <15   | <15   | <15   | <15   | <15   | 20    | 27    | 32    | 38  |
|                        | 3 Slot           | Airflow     | 60      | 90    | 120   | 150   | 180   | 240   | 300   | 360   | 420   |     |
|                        |                  | NC          | <15     | <15   | <15   | <15   | 15    | 22    | 28    | 34    | 39    |     |
|                        | 4 Slot           | Airflow     | 80      | 120   | 160   | 200   | 240   | 320   | 400   | 480   | 560   |     |
|                        |                  | NC          | <15     | <15   | <15   | <15   | 17    | 23    | 30    | 35    | 41    |     |
|                        | <b>4' Length</b> | 1 Slot      | Airflow | 40    | 60    | 80    | 100   | 120   | 160   | 200   | 240   | 280 |
|                        |                  |             | NC      | <15   | <15   | <15   | <15   | <15   | 19    | 26    | 31    | 37  |
|                        |                  | 2 Slot      | Airflow | 80    | 120   | 160   | 200   | 240   | 320   | 400   | 480   | 560 |
|                        |                  |             | NC      | <15   | <15   | <15   | <15   | 16    | 22    | 29    | 34    | 40  |
| 3 Slot                 | Airflow          | 120         | 180     | 240   | 300   | 360   | 480   | 600   | 720   | 840   |       |     |
|                        | NC               | <15         | <15     | <15   | <15   | 17    | 24    | 30    | 36    | 41    |       |     |
| 4 Slot                 | Airflow          | 160         | 240     | 320   | 400   | 480   | 640   | 800   | 960   | 1120  |       |     |
|                        | NC               | <15         | <15     | <15   | 15    | 19    | 25    | 32    | 37    | 43    |       |     |
| <b>5' Length</b>       | 1 Slot           | Airflow     | 50      | 75    | 100   | 125   | 150   | 200   | 250   | 300   | 350   |     |
|                        |                  | NC          | <15     | <15   | <15   | <15   | <15   | 20    | 27    | 32    | 38    |     |
|                        | 2 Slot           | Airflow     | 100     | 150   | 200   | 250   | 300   | 400   | 500   | 600   | 700   |     |
|                        |                  | NC          | <15     | <15   | <15   | <15   | 17    | 23    | 30    | 35    | 41    |     |
| 3 Slot                 | Airflow          | 150         | 225     | 300   | 375   | 450   | 600   | 750   | 900   | 1050  |       |     |
|                        | NC               | <15         | <15     | <15   | 15    | 18    | 25    | 31    | 37    | 42    |       |     |
| 4 Slot                 | Airflow          | 200         | 300     | 400   | 500   | 600   | 800   | 1000  | 1200  | 1400  |       |     |
|                        | NC               | <15         | <15     | <15   | 16    | 20    | 26    | 33    | 38    | 44    |       |     |

**SERIES XG-PHP PERFORMANCE DATA**  
**MODEL XG-PHPR/PHNR**

|               |           | CFM/LF      | 20            | 30         | 40         | 50         | 60         | 70         | 80         | 90         | 100        |            |
|---------------|-----------|-------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|               |           | Negative Ps | 0.022         | 0.045      | 0.073      | 0.106      | 0.145      | 0.188      | 0.236      | 0.289      | 0.345      |            |
| 1" Slot Width | 2' Length | 1 Slot      | Airflow<br>NC | 40<br><15  | 60<br><15  | 80<br><15  | 100<br>15  | 120<br>19  | 140<br>23  | 160<br>26  | 180<br>30  | 200<br>34  |
|               |           | 2 Slot      | Airflow<br>NC | 80<br><15  | 120<br><15 | 160<br><15 | 200<br>18  | 240<br>22  | 280<br>26  | 320<br>29  | 360<br>33  | 400<br>37  |
|               |           | 3 Slot      | Airflow<br>NC | 120<br><15 | 180<br><15 | 240<br>15  | 300<br>19  | 360<br>23  | 420<br>27  | 480<br>31  | 540<br>35  | 600<br>38  |
|               |           | 4 Slot      | Airflow<br>NC | 160<br><15 | 240<br><15 | 320<br>16  | 400<br>21  | 480<br>25  | 560<br>29  | 640<br>32  | 720<br>36  | 800<br>40  |
|               | 4' Length | 1 Slot      | Airflow<br>NC | 80<br><15  | 120<br><15 | 160<br><15 | 200<br>17  | 240<br>21  | 280<br>25  | 320<br>28  | 360<br>32  | 400<br>36  |
|               |           | 2 Slot      | Airflow<br>NC | 160<br><15 | 240<br><15 | 320<br>15  | 400<br>20  | 480<br>24  | 560<br>28  | 640<br>31  | 720<br>35  | 800<br>39  |
|               |           | 3 Slot      | Airflow<br>NC | 240<br><15 | 360<br><15 | 480<br>17  | 600<br>21  | 720<br>25  | 840<br>29  | 960<br>33  | 1080<br>37 | 1200<br>40 |
|               |           | 4 Slot      | Airflow<br>NC | 320<br><15 | 480<br><15 | 640<br>18  | 800<br>23  | 960<br>27  | 1120<br>31 | 1280<br>34 | 1440<br>38 | 1600<br>42 |
|               | 5' Length | 1 Slot      | Airflow<br>NC | 100<br><15 | 150<br><15 | 200<br><15 | 250<br>18  | 300<br>22  | 350<br>26  | 400<br>29  | 450<br>33  | 500<br>37  |
|               |           | 2 Slot      | Airflow<br>NC | 200<br><15 | 300<br><15 | 400<br>16  | 500<br>21  | 600<br>25  | 700<br>29  | 800<br>32  | 900<br>36  | 1000<br>40 |
|               |           | 3 Slot      | Airflow<br>NC | 300<br><15 | 450<br><15 | 600<br>18  | 750<br>22  | 900<br>26  | 1050<br>30 | 1200<br>34 | 1350<br>38 | 1500<br>41 |
|               |           | 4 Slot      | Airflow<br>NC | 400<br><15 | 600<br>15  | 800<br>19  | 1000<br>24 | 1200<br>28 | 1400<br>32 | 1600<br>35 | 1800<br>39 | 2000<br>43 |

|                   |           | CFM/LF      | 20            | 30         | 40         | 50         | 60         | 80         | 100        | 125        | 150        |            |
|-------------------|-----------|-------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                   |           | Negative Ps | 0.011         | 0.022      | 0.036      | 0.053      | 0.072      | 0.117      | 0.171      | 0.250      | 0.341      |            |
| 1-1/2" Slot Width | 2' Length | 1 Slot      | Airflow<br>NC | 40<br><15  | 60<br><15  | 80<br><15  | 100<br><15 | 120<br><15 | 160<br>22  | 200<br>28  | 250<br>36  | 300<br>42  |
|                   |           | 2 Slot      | Airflow<br>NC | 80<br><15  | 120<br><15 | 160<br><15 | 200<br><15 | 240<br>17  | 320<br>25  | 400<br>31  | 500<br>39  | 600<br>45  |
|                   |           | 3 Slot      | Airflow<br>NC | 120<br><15 | 180<br><15 | 240<br><15 | 300<br>15  | 360<br>19  | 480<br>26  | 600<br>33  | 750<br>40  | 900<br>47  |
|                   |           | 4 Slot      | Airflow<br>NC | 160<br><15 | 240<br><15 | 320<br><15 | 400<br>17  | 480<br>20  | 640<br>28  | 800<br>34  | 1000<br>42 | 1200<br>48 |
|                   | 4' Length | 1 Slot      | Airflow<br>NC | 80<br><15  | 120<br><15 | 160<br><15 | 200<br><15 | 240<br>16  | 320<br>24  | 400<br>30  | 500<br>38  | 600<br>44  |
|                   |           | 2 Slot      | Airflow<br>NC | 160<br><15 | 240<br><15 | 320<br><15 | 400<br>16  | 480<br>19  | 640<br>27  | 800<br>33  | 1000<br>41 | 1200<br>47 |
|                   |           | 3 Slot      | Airflow<br>NC | 240<br><15 | 360<br><15 | 480<br><15 | 600<br>17  | 720<br>21  | 960<br>28  | 1200<br>35 | 1500<br>42 | 1800<br>49 |
|                   |           | 4 Slot      | Airflow<br>NC | 320<br><15 | 480<br><15 | 640<br>15  | 800<br>19  | 960<br>22  | 1280<br>30 | 1600<br>36 | 2000<br>44 | 2400<br>50 |
|                   | 5' Length | 1 Slot      | Airflow<br>NC | 100<br><15 | 150<br><15 | 200<br><15 | 250<br><15 | 300<br>17  | 400<br>25  | 500<br>31  | 625<br>39  | 750<br>45  |
|                   |           | 2 Slot      | Airflow<br>NC | 200<br><15 | 300<br><15 | 400<br><15 | 500<br>17  | 600<br>20  | 800<br>28  | 1000<br>34 | 1250<br>42 | 1500<br>48 |
|                   |           | 3 Slot      | Airflow<br>NC | 300<br><15 | 450<br><15 | 600<br><15 | 750<br>18  | 900<br>22  | 1200<br>29 | 1500<br>36 | 1875<br>43 | 2250<br>50 |
|                   |           | 4 Slot      | Airflow<br>NC | 400<br><15 | 600<br><15 | 800<br>16  | 1000<br>20 | 1200<br>23 | 1600<br>31 | 2000<br>37 | 2500<br>45 | 3000<br>51 |

PLENUM SLOT  
DIFFUSERS

PLENUM RETURNS

XG-PHPR

## PERFORMANCE NOTES FOR SERIES XG-PHP

All data is tested in accordance with ANSI/ASHRAE 70-2006.

### DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Pt Total pressure (inches of water column)

Ps Static pressure =  $P_t - P_v$  (inches of water column)

Throw Isothermal throw (supply air temperature the same as average room temperature); values are for 150, 100 and 50fpm velocities

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re:  $10^{-12}$  watts minus a 10dB room attenuation in all octave bands