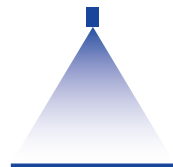


# High pressure flat fan nozzles

## Series 602

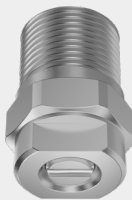


### Features:

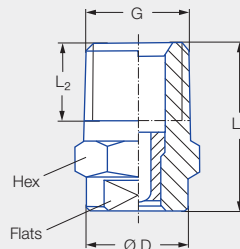
- Sharp, uniform flat fan spray
- Extremely narrow spray depth
- Housing: Stainless steel 303,  
Insert: Hardened stainless steel 420F

### Applications:

- High pressure cleaning



Series 602



| G        | Dimensions [mm] |                |      |     |       | Weight [g] | p <sub>max</sub> <sup>1</sup> [bar] |
|----------|-----------------|----------------|------|-----|-------|------------|-------------------------------------|
|          | L <sub>1</sub>  | L <sub>2</sub> | Ø D  | Hex | Flats |            |                                     |
| 1/4 BSPT | 22.0            | 10.0           | 13.0 | 14  | 10    | 18.0       | approx. 700                         |
| 1/4 NPT  | 22.0            | 10.2           | 13.0 | 14  | 10    | 18.0       | approx. 700                         |

<sup>1</sup> Applies only to operation at constant pressure.

| US<br>gal/min<br>at<br>40 psi | Ordering no. |                |     |     |     |                             |      |    | Equivalent<br>bore diameter<br>A<br>[mm] | V̇ water [l/min] |         |       |       |       |       |       |
|-------------------------------|--------------|----------------|-----|-----|-----|-----------------------------|------|----|------------------------------------------|------------------|---------|-------|-------|-------|-------|-------|
|                               | Series       | Flow rate code |     |     |     | Mat. no.                    | Code |    |                                          | p [bar]          |         |       |       |       |       |       |
|                               |              | Spray angle    |     |     |     | A3                          |      |    |                                          |                  |         |       |       |       |       |       |
|                               |              | 20°            | 30° | 45° | 60° | Stainless steel<br>303/420F |      |    |                                          | 1/4 BSPT         | 1/4 NPT |       |       |       |       |       |
| 40                            | 60           | 80             | 100 | 120 | 150 | 200                         |      |    |                                          |                  |         |       |       |       |       |       |
| 02                            | 602          | 361            | 362 | 363 | 364 | ●                           | 00   | 07 | 1.00                                     | 2.88             | 3.53    | 4.08  | 4.56  | 5.00  | 5.58  | 6.45  |
| 021                           | 602          | 371            | 372 | 373 | 374 | ●                           | 00   | 07 | 1.02                                     | 3.03             | 3.71    | 4.28  | 4.79  | 5.25  | 5.87  | 6.77  |
| 025                           | 602          | 381            | 382 | 383 | 384 | ●                           | 00   | 07 | 1.10                                     | 3.60             | 4.42    | 5.10  | 5.70  | 6.24  | 6.98  | 8.06  |
| 028                           | 602          | 391            | 392 | 393 | 394 | ●                           | 00   | 07 | 1.16                                     | 4.04             | 4.94    | 5.71  | 6.38  | 6.99  | 7.81  | 9.02  |
| 03                            | 602          | 401            | 402 | 403 | 404 | ●                           | 00   | 07 | 1.18                                     | 4.32             | 5.29    | 6.11  | 6.83  | 7.48  | 8.37  | 9.66  |
| 034                           | 602          | 411            | 412 | 413 | 414 | ●                           | 00   | 07 | 1.30                                     | 4.90             | 6.00    | 6.93  | 7.75  | 8.49  | 9.49  | 10.96 |
| 038                           | 602          | 441            | 442 | 443 |     | ●                           | 00   | 07 | 1.33                                     | 5.48             | 6.72    | 7.75  | 8.67  | 9.50  | 10.62 | 12.26 |
| 04                            | 602          | 451            | 452 | 453 | 454 | ●                           | 00   | 07 | 1.35                                     | 5.77             | 7.06    | 8.16  | 9.12  | 9.99  | 11.17 | 12.90 |
| 043                           | 602          | 461            | 462 |     |     | ●                           | 00   | 07 | 1.38                                     | 6.20             | 7.59    | 8.77  | 9.80  | 10.74 | 12.00 | 13.86 |
| 045                           | 602          | 471            | 472 | 473 | 474 | ●                           | 00   | 07 | 1.40                                     | 6.49             | 7.95    | 9.18  | 10.26 | 11.24 | 12.57 | 14.51 |
| 05                            | 602          | 481            | 482 | 483 | 484 | ●                           | 00   | 07 | 1.55                                     | 7.21             | 8.83    | 10.20 | 11.40 | 12.49 | 13.96 | 16.12 |
| 055                           | 602          | 501            | 502 | 503 | 504 | ●                           | 00   | 07 | 1.60                                     | 7.93             | 9.71    | 11.22 | 12.54 | 13.74 | 15.36 | 17.73 |
| 06                            | 602          | 521            | 522 | 523 | 524 | ●                           | 00   | 07 | 1.72                                     | 8.65             | 10.60   | 12.24 | 13.68 | 14.99 | 16.75 | 19.35 |
| 065                           | 602          | 531            | 532 | 533 | 534 | ●                           | 00   | 07 | 1.75                                     | 9.37             | 11.48   | 13.26 | 14.82 | 16.23 | 18.15 | 20.96 |
| 07                            | 602          | 541            | 542 | 543 | 544 | ●                           | 00   | 07 | 1.80                                     | 10.09            | 12.36   | 14.28 | 15.96 | 17.48 | 19.55 | 22.57 |
| 075                           | 602          | 551            | 552 | 553 | 554 | ●                           | 00   | 07 | 1.90                                     | 10.81            | 13.25   | 15.29 | 17.10 | 18.73 | 20.94 | 24.18 |
| 08                            | 602          | 571            | 572 | 573 | 574 | ●                           | 00   | 07 | 2.05                                     | 11.54            | 14.13   | 16.31 | 18.24 | 19.98 | 22.34 | 25.80 |
| 087                           | 602          | 581            | 582 | 583 | 584 | ●                           | 00   | 07 | 2.06                                     | 12.54            | 15.36   | 17.74 | 19.83 | 21.72 | 24.29 | 28.04 |
| 09                            | 602          | 591            | 592 | 593 | 594 | ●                           | 00   | 07 | 2.10                                     | 12.98            | 15.89   | 18.35 | 20.52 | 22.48 | 25.13 | 29.02 |
| 10                            | 602          | 601            | 602 | 603 | 604 | ●                           | 00   | 07 | 2.30                                     | 14.41            | 17.65   | 20.38 | 22.79 | 24.97 | 27.91 | 32.23 |
| 11                            | 602          | 621            | 622 | 623 | 624 | ●                           | 00   | 07 | 2.40                                     | 15.86            | 19.42   | 22.42 | 25.07 | 27.46 | 30.70 | 35.45 |
| 125                           | 602          | 641            | 642 | 643 | 644 | ●                           | 00   | 07 | 2.50                                     | 18.02            | 22.07   | 25.48 | 28.49 | 31.21 | 34.89 | 40.29 |
| 131                           | 602          | 651            | 652 | 653 | 654 | ●                           | 00   | 07 | 2.55                                     | 18.89            | 23.13   | 26.71 | 29.86 | 32.71 | 36.57 | 42.23 |
| 139                           | 602          | 661            | 662 | 663 | 664 | ●                           | 00   | 07 | 2.65                                     | 20.04            | 24.54   | 28.34 | 31.68 | 34.70 | 38.80 | 44.80 |
| 15                            | 602          | 671            | 672 | 673 | 674 | ●                           | 00   | 07 | 2.70                                     | 21.62            | 26.48   | 30.58 | 34.19 | 37.45 | 41.87 | 48.35 |
| 175                           | 602          | 701            | 702 | 703 | 704 | ●                           | 00   | 07 | 3.00                                     | 25.23            | 30.90   | 35.68 | 39.89 | 43.70 | 48.86 | 56.41 |
| 20                            | 602          |                |     | 723 | 724 | ●                           | 00   | 07 | 3.05                                     | 28.83            | 35.31   | 40.78 | 45.59 | 49.94 | 55.84 | 64.47 |
| 25                            | 602          |                |     | 763 | 764 | ●                           | 00   | 07 | 3.50                                     | 36.04            | 44.14   | 50.97 | 56.99 | 62.43 | 69.80 | 80.60 |
| 30                            | 602          |                |     | 793 |     | ●                           | 00   | 07 | 3.90                                     | 43.25            | 52.97   | 61.16 | 68.38 | 74.91 | 83.75 | 96.70 |

Conversion formula for this series:  $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$



Assembly accessories can be found in Chapter 9  
“Accessories”.

| Ordering | Series | + Flow rate code | + Material no. | + Code | = Ordering no.  |
|----------|--------|------------------|----------------|--------|-----------------|
| example: | 602    | + 361            | + A3           | + 00   | = 602.361.A3.00 |