

# SuperFlash™ Column Data for Si 35

(35 µm particle size silica)

| Model        | Diagram | Part Numbers                                   | Bed length<br>Diameter | Dimensions <sup>1</sup> | Flow Rate <sup>2</sup> | Maximum<br>pressure <sup>3</sup> | Sample Load <sup>4</sup> | CV <sup>5</sup> |
|--------------|---------|------------------------------------------------|------------------------|-------------------------|------------------------|----------------------------------|--------------------------|-----------------|
| SF10 - 4 g   |         | AX3170-8 (8/Flat Pack)<br>12 Flat Packs / Case | 3.5 : 1                | 14.2 mm x<br>9.5 cm     | 18 mL/min              | 14 bar<br>(200 psi)              | 40 - 400 mg              | 6 mL            |
| SF10 - 8 g   |         | AX1407-8 (8/Flat Pack)<br>12 Flat Packs / Case | 6.3 : 1                | 14.2 mm x<br>13.5 cm    | 18 mL/min              | 14 bar<br>(200 psi)              | 80 - 800 mg              | 10 mL           |
| SF15 - 12 g  |         | AX1371-7 (7/Flat Pack)<br>11 Flat Packs / Case | 3.1 : 1                | 20.8 mm x<br>11.2 cm    | 30 mL/min              | 14 bar<br>(200 psi)              | 120 mg - 1.2 g           | 16 mL           |
| SF15 - 24 g  |         | AX1408-7 (7/Flat Pack)<br>11 Flat Packs / Case | 6.0 : 1                | 20.8 mm x<br>17.4 cm    | 30 mL/min              | 14 bar<br>(200 psi)              | 240 mg - 2.4 g           | 31 mL           |
| SF25 - 40 g  |         | AX1393-6 (6/Flat Pack)<br>9 Flat Packs / Case  | 4.1 : 1                | 28.2 mm x<br>16.4 cm    | 40 mL/min              | 14 bar<br>(200 psi)              | 400 mg - 4 g             | 52 mL           |
| SF25 - 60 g  |         | AX1292-6 (6/Flat Pack)<br>9 Flat Packs / Case  | 6.1 : 1                | 28.2 mm x<br>22 cm      | 40 mL/min              | 14 bar<br>(200 psi)              | 600 mg - 6 g             | 78 mL           |
| SF25 - 80 g  |         | AX1293-6 (6/Flat Pack)<br>9 Flat Packs / Case  | 8.1 : 1                | 28.2 mm x<br>27.7 cm    | 40 mL/min              | 14 bar<br>(200 psi)              | 800 mg - 8 g             | 104 mL          |
| SF25 - 120 g |         | AX1294-6 (6/Flat Pack)<br>9 Flat Packs / Case  | 12.2 : 1               | 28.2 mm x<br>39.2 cm    | 40 mL/min              | 14 bar<br>(200 psi)              | 1.2 - 12 g               | 156 mL          |
| SF25 - 160 g |         | AX1295-6 (6/Flat Pack)<br>9 Flat Packs / Case  | 16.2 : 1               | 28.2 mm x<br>50.6 cm    | 40 mL/min              | 14 bar<br>(200 psi)              | 1.6 - 16 g               | 209 mL          |
| SF40 - 80 g  |         | AX1405-4 (4/Flat Pack)<br>6 Flat Packs / Case  | 2.8 : 1                | 40.6 mm x<br>16.4 cm    | 85 mL/min              | 14 bar<br>(200 psi)              | 840 mg - 8.4 g           | 109 mL          |
| SF40 - 115 g |         | AX1296-4 (4/Flat Pack)<br>6 Flat Packs / Case  | 3.9 : 1                | 40.6 mm x<br>20.7 cm    | 85 mL/min              | 14 bar<br>(200 psi)              | 1.2 - 11.5 g             | 150 mL          |
| SF40 - 150 g |         | AX1297-4 (4/Flat Pack)<br>6 Flat Packs / Case  | 5.1 : 1                | 40.6 mm x<br>25.7 cm    | 85 mL/min              | 14 bar<br>(200 psi)              | 1.5 - 15 g               | 198 mL          |
| SF40 - 240 g |         | AX1298-4 (4/Flat Pack)<br>6 Flat Packs / Case  | 8.1 : 1                | 40.6 mm x<br>37.9 cm    | 85 mL/min              | 14 bar<br>(200 psi)              | 2.4 - 24 g               | 313 mL          |
| SF65 - 200 g |         | AX1406-3 (3/Flat Pack)<br>4 Flat Packs / Case  | 1.6 : 1                | 66 mm x<br>16.3 cm      | 100 mL/min             | 14 bar<br>(200 psi)              | 2 - 20 g                 | 261 mL          |
| SF65 - 400 g |         | AX1299-3 (3/Flat Pack)<br>4 Flat Packs / Case  | 3.1 : 1                | 66 mm x<br>26.4 cm      | 100 mL/min             | 14 bar<br>(200 psi)              | 4 - 40 g                 | 512 mL          |
| SF65 - 600 g |         | AX1300-3 (3/Flat Pack)<br>4 Flat Packs / Case  | 4.7 : 1                | 66 mm x<br>37.2 cm      | 100 mL/min             | 14 bar<br>(200 psi)              | 6 - 60 g                 | 782 mL          |

**Notes:** 1. Dimensions are given for sorbent bed diameter x overall column length. 2. Equilibration flow rates on IntelliFlash™ instruments are typically 40% higher. 3. For safety, obey pressure maximum limits marked on each column. Confirm the instrument has been set to the appropriate maximum pressure before attaching column. 4. Sample loading values are suggested. Results may vary with specific samples. 5. Column volume for Si 35 Silica. All trademarks are the property of Varian, Inc. © 2009 Varian, Inc. All information is believed accurate at time of publication. Varian, Inc. reserves the right to change this information without notification.



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SI-02075/A/04.09 Printed in the UK