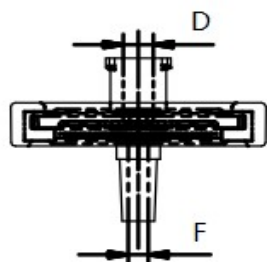
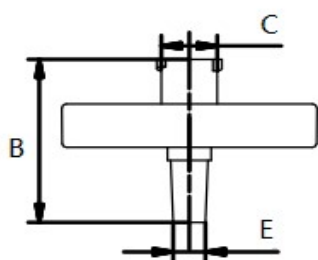
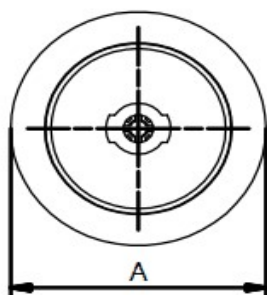


J.T.Baker® Syringe Filters



Detailed list

| Item NO | Item             | Ø 13mm         |
|---------|------------------|----------------|
| A       | OD of Filter     | $17.2 \pm 0.5$ |
| B       | Height of Filter | $17.5 \pm 0.5$ |
| C       | OD Inlet         | $6.0 \pm 0.3$  |
| D       | ID Inlet         | $4.1 \pm 0.3$  |
| E       | OD Outlet        | $3.9 \pm 0.3$  |
| F       | ID Outlet        | $2.5 \pm 0.3$  |

Detailed list

| Item NO | Item             | Ø 25mm         |
|---------|------------------|----------------|
| A       | OD of Filter     | $30.0 \pm 0.5$ |
| B       | Height of Filter | $21.0 \pm 0.5$ |
| C       | OD Inlet         | $6.5 \pm 0.3$  |
| D       | ID Inlet         | $4.1 \pm 0.3$  |
| E       | OD Outlet        | $3.9 \pm 0.3$  |
| F       | ID Outlet        | $2.5 \pm 0.3$  |

Detailed list

| Item NO | Item             | Ø 30mm         |
|---------|------------------|----------------|
| A       | OD of Filter     | $34.2 \pm 0.5$ |
| B       | Height of Filter | $23.5 \pm 0.5$ |
| C       | OD Inlet         | $6.5 \pm 0.3$  |
| D       | ID Inlet         | $4.1 \pm 0.3$  |
| E       | OD Outlet        | $3.9 \pm 0.3$  |
| F       | ID Outlet        | $2.5 \pm 0.3$  |

These syringe filters are specifically designed for chromatography sample preparation applications and optimized to provide the most consistent results with less extractables.

- Manufacturing process certified to ISO 9001
- HPLC certified
- Biosafe according to Class VI plastics tests
- Available with PTFE (hydrophilic or hydrophobic), Nylon, PES, RC membrane and GF (Glass fiber)
- Each filter has a female Luer-lock inlet and a male slip Luer outlet.
- Water wettable hydrophilic PTFE offers excellent chemical resistance to both common aqueous and aggressive organic solvents, most of the acids and alkalis.
- Regenerated cellulose exhibits low protein binding and wide chemical resistance
- PES offers lower protein binding as well as higher flow rate
- More choice for large pore sizes 1.0um is for high throughput and fast flow rates
- Built in glass fiber (100% binder-free borosilicate glass fiber) prefilter double layer type is specially for high-particle loading, ideal for difficult to filter liquids

## • Choosing the Right Pore Size:

| Typical Pore Size |                                    |
|-------------------|------------------------------------|
| 0.22um            | Sterile filtration                 |
| 0.45um            | Clarification and particle removal |
| 1.0um             | Prefiltration                      |

## Choosing the Right Diameter:

| Typical Process Volume | Suitable Syringe Filter Diameter (mm)                      | Hold-up volume (µl) |
|------------------------|------------------------------------------------------------|---------------------|
| 1 – 10 mL              | ø13                                                        | <10                 |
| 10 – 50mL              | ø25                                                        | <100                |
| 50– 100 mL             | ø30                                                        | <120                |
| Up to 200ml            | Two layers design with built in glass fiber (GF) prefilter | <120                |

## Notes:

- ø13 mm Syringe filters are designed to filter 1-10 ml with hold-up volume<10µl
- ø25 mm Syringe filters are designed to filter 10-50 ml with hold-up volume<100µl
- ø30 mm Syringe filters are designed to filter 50~100ml with hold-up volume<120µl
- Two layers design with built in glass fiber (GF) prefilter can filter up to 200 ml

# J.T.Baker® Syringe Filters



| J.T.BAKER<br>Global Cat. No. | Membrane<br>Material | Pre<br>filter | Pore<br>Size<br>(µm) | Housing<br>Material | Ø OD<br>(mm) | Qty/Pk<br>(pcs) | Pk/ Case | Qty / Case<br>(pcs) | Effective<br>Filtration<br>Area (cm <sup>2</sup> ) | Sterile | Min. bubble<br>point, (Mpa) | Flow rate<br>Δp = 0.07 Mpa<br>(mL/min) | pH    |
|------------------------------|----------------------|---------------|----------------------|---------------------|--------------|-----------------|----------|---------------------|----------------------------------------------------|---------|-----------------------------|----------------------------------------|-------|
| SF02-68                      | RC                   | N/A           | 0.22                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.1                         | 6                                      | 2--12 |
| SF02-72                      | RC                   | N/A           | 0.45                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.05                        | 15                                     | 2--12 |
| SF02-76                      | RC                   | N/A           | 0.22                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.1                         | 24                                     | 2--12 |
| SF02-80                      | RC                   | N/A           | 0.45                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.05                        | 40                                     | 2--12 |
| SF02-82                      | RC                   | *GF           | 0.45                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.05                        | 40                                     | 3--12 |
| SF02-88                      | RC                   | N/A           | 0.22                 | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.1                         | 40                                     | 2--12 |
| SF02-92                      | RC                   | N/A           | 0.45                 | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.05                        | 70                                     | 2--12 |
| SF01-42                      | Nylon                | N/A           | 0.22                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.26                        | 4                                      | 2-13  |
| SF01-46                      | Nylon                | N/A           | 0.45                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.16                        | 9                                      | 2-13  |
| SF01-50                      | Nylon                | N/A           | 0.22                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.26                        | 15                                     | 2-13  |
| SF01-54                      | Nylon                | N/A           | 0.45                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.16                        | 35                                     | 2-13  |
| SF01-58                      | Nylon                | *GF           | 0.45                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.16                        | 35                                     | 3-13  |
| SF01-70                      | Nylon                | N/A           | 0.22                 | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.26                        | 30                                     | 2-13  |
| SF01-74                      | Nylon                | N/A           | 0.45                 | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.16                        | 60                                     | 2-13  |
| SF01-64                      | Nylon                | N/A           | 1                    | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.06                        | 80                                     | 2-13  |
| SF01-02                      | Glass fiber          | N/A           | 1                    | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | /                           | 70                                     | 3--14 |
| SF01-06                      | Glass fiber          | N/A           | 1                    | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | /                           | 250                                    | 3--14 |
| SF01-10                      | Glass fiber          | N/A           | 1                    | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | /                           | 300                                    | 3--14 |
| SF01-14                      | *H-PTFE              | N/A           | 0.22                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.1                         | 6                                      | 1--14 |
| SF01-18                      | *H-PTFE              | N/A           | 0.45                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.05                        | 12                                     | 1--14 |
| SF01-22                      | *H-PTFE              | N/A           | 0.22                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.1                         | 24                                     | 1--14 |
| SF01-26                      | *H-PTFE              | N/A           | 0.45                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.05                        | 60                                     | 1--14 |
| SF01-28                      | *H-PTFE              | *GF           | 0.45                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.05                        | 60                                     | 3--14 |
| SF01-34                      | *H-PTFE              | N/A           | 0.22                 | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.1                         | 30                                     | 1--14 |
| SF01-38                      | *H-PTFE              | N/A           | 0.45                 | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.05                        | 80                                     | 1--14 |
| SF02-32                      | PTFE                 | N/A           | 0.22                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.1                         | 9                                      | 1--14 |
| SF02-36                      | PTFE                 | N/A           | 0.45                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.05                        | 15                                     | 1--14 |
| SF02-40                      | PTFE                 | N/A           | 0.22                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.1                         | 30                                     | 1--14 |
| SF02-44                      | PTFE                 | N/A           | 0.45                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.05                        | 60                                     | 1--14 |
| SF02-46                      | PTFE                 | *GF           | 0.45                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.05                        | 60                                     | 3--14 |
| SF02-58                      | PTFE                 | N/A           | 0.22                 | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.1                         | 40                                     | 1--14 |
| SF02-62                      | PTFE                 | N/A           | 0.45                 | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.05                        | 80                                     | 1--14 |
| SF02-52                      | PTFE                 | N/A           | 1                    | PP                  | 30           | 200             | 8        | 1600                | 4.9                                                | N/A     | 0.03                        | 100                                    | 1--14 |
| SF01-78                      | PES                  | N/A           | 0.1                  | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | *0.18                       | 4                                      | 1-14  |
| SF01-82                      | PES                  | N/A           | 0.22                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.35                        | 7                                      | 1-14  |
| SF01-86                      | PES                  | N/A           | 0.45                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.22                        | 20                                     | 1-14  |
| SF01-88                      | PES                  | *GF           | 0.45                 | PP                  | 13           | 200             | 12       | 2400                | 0.92                                               | N/A     | 0.22                        | 20                                     | 3-14  |
| SF01-94                      | PES                  | N/A           | 0.1                  | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | *0.18                       | 12                                     | 1-14  |
| SF01-98                      | PES                  | N/A           | 0.22                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.35                        | 30                                     | 1-14  |
| SF02-04                      | PES                  | N/A           | 0.45                 | PP                  | 25           | 200             | 8        | 1600                | 2.98                                               | N/A     | 0.22                        | 80                                     | 1-14  |

# J.T.Baker® Syringe Filters



|         |     |     |      |    |    |     |   |      |      |     |       |     |      |
|---------|-----|-----|------|----|----|-----|---|------|------|-----|-------|-----|------|
| SF02-06 | PES | *GF | 0.45 | PP | 25 | 200 | 8 | 1600 | 2.98 | N/A | 0.22  | 80  | 3-14 |
| SF02-16 | PES | N/A | 0.1  | PP | 30 | 200 | 8 | 1600 | 4.9  | N/A | *0.18 | 30  | 1-14 |
| SF02-20 | PES | N/A | 0.22 | PP | 30 | 200 | 8 | 1600 | 4.9  | N/A | 0.35  | 60  | 1-14 |
| SF02-24 | PES | N/A | 0.45 | PP | 30 | 200 | 8 | 1600 | 4.9  | N/A | 0.22  | 100 | 1-14 |
| SF02-26 | PES | *GF | 0.45 | PP | 30 | 200 | 8 | 1600 | 4.9  | N/A | 0.22  | 100 | 3-14 |
| SF02-12 | PES | N/A | 1    | PP | 30 | 200 | 8 | 1600 | 4.9  | N/A | 0.1   | 200 | 1-14 |

|         |             |     |      |    |    |      |    |       |      |     |       |     |       |
|---------|-------------|-----|------|----|----|------|----|-------|------|-----|-------|-----|-------|
| SF02-70 | RC          | N/A | 0.22 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.1   | 6   | 2--12 |
| SF02-74 | RC          | N/A | 0.45 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.05  | 15  | 2--12 |
| SF02-78 | RC          | N/A | 0.22 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.1   | 24  | 2--12 |
| SF02-86 | RC          | N/A | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.05  | 40  | 2--12 |
| SF02-84 | RC          | *GF | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.05  | 40  | 3--12 |
| SF02-90 | RC          | N/A | 0.22 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.1   | 40  | 2--12 |
| SF02-94 | RC          | N/A | 0.45 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.05  | 70  | 2--12 |
| SF01-44 | Nylon       | N/A | 0.22 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.26  | 4   | 2-13  |
| SF01-48 | Nylon       | N/A | 0.45 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.16  | 9   | 2-13  |
| SF01-52 | Nylon       | N/A | 0.22 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.26  | 15  | 2-13  |
| SF01-62 | Nylon       | N/A | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.16  | 35  | 2-13  |
| SF01-60 | Nylon       | *GF | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.16  | 35  | 3-13  |
| SF01-72 | Nylon       | N/A | 0.22 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.26  | 30  | 2-13  |
| SF01-76 | Nylon       | N/A | 0.45 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.16  | 60  | 2-13  |
| SF01-68 | Nylon       | N/A | 1    | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.06  | 80  | 2-13  |
| SF01-04 | Glass fiber | N/A | 1    | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | /     | 70  | 3--14 |
| SF01-08 | Glass fiber | N/A | 1    | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | /     | 250 | 3--14 |
| SF01-12 | Glass fiber | N/A | 1    | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | /     | 300 | 3--14 |
| SF01-16 | *H-PTFE     | N/A | 0.22 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.1   | 6   | 1--14 |
| SF01-20 | *H-PTFE     | N/A | 0.45 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.05  | 12  | 1--14 |
| SF01-24 | *H-PTFE     | N/A | 0.22 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.1   | 24  | 1--14 |
| SF01-32 | *H-PTFE     | N/A | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.05  | 60  | 1--14 |
| SF01-30 | *H-PTFE     | *GF | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.05  | 60  | 3--14 |
| SF01-36 | *H-PTFE     | N/A | 0.22 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.1   | 30  | 1--14 |
| SF01-40 | *H-PTFE     | N/A | 0.45 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.05  | 80  | 1--14 |
| SF02-34 | PTFE        | N/A | 0.22 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.1   | 9   | 1--14 |
| SF02-38 | PTFE        | N/A | 0.45 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.05  | 15  | 1--14 |
| SF02-42 | PTFE        | N/A | 0.22 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.1   | 30  | 1--14 |
| SF02-50 | PTFE        | N/A | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.05  | 60  | 1--14 |
| SF02-48 | PTFE        | *GF | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.05  | 60  | 3--14 |
| SF02-60 | PTFE        | N/A | 0.22 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.1   | 40  | 1--14 |
| SF02-64 | PTFE        | N/A | 0.45 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.05  | 80  | 1--14 |
| SF02-54 | PTFE        | N/A | 1    | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.03  | 100 | 1--14 |
| SF01-80 | PES         | N/A | *0.1 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | *0.18 | 4   | 1-14  |
| SF01-84 | PES         | N/A | 0.22 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.35  | 7   | 1-14  |
| SF01-92 | PES         | N/A | 0.45 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.22  | 20  | 1-14  |

# J.T.Baker® Syringe Filters



|         |     |     |      |    |    |      |    |       |      |     |       |     |      |
|---------|-----|-----|------|----|----|------|----|-------|------|-----|-------|-----|------|
| SF01-90 | PES | *GF | 0.45 | PP | 13 | 1000 | 10 | 10000 | 0.92 | N/A | 0.22  | 20  | 3-14 |
| SF01-96 | PES | N/A | 0.1  | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | *0.18 | 12  | 1-14 |
| SF02-02 | PES | N/A | 0.22 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.35  | 30  | 1-14 |
| SF02-10 | PES | N/A | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.22  | 80  | 1-14 |
| SF02-08 | PES | *GF | 0.45 | PP | 25 | 1000 | 6  | 6000  | 2.98 | N/A | 0.22  | 80  | 3-14 |
| SF02-18 | PES | N/A | 0.1  | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | *0.18 | 30  | 1-14 |
| SF02-22 | PES | N/A | 0.22 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.35  | 60  | 1-14 |
| SF02-30 | PES | N/A | 0.45 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.22  | 100 | 1-14 |
| SF02-28 | PES | *GF | 0.45 | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.22  | 100 | 3-14 |
| SF02-14 | PES | N/A | 1    | PP | 30 | 1000 | 4  | 4000  | 4.9  | N/A | 0.1   | 200 | 1-14 |

\* N/A=Not Applicable

\* H-PTFE=Hydrophilic PTFE, bubble point tested by ethanol, Average flow rate tested by water

\* PTFE=Hydrophobic PTFE, bubble point tested by ethanol, Average flow rate tested by ethanol

\* GF=100% binder-free borosilicate glass fiber

\*0.18=bubble point tested by 60% IPA for PES 0.1um