

## Filter Fabric Qualities

| Fabric           | Cotton     | Polyester  | Glass      | Nylon      | Nomex      | Polypropylene |
|------------------|------------|------------|------------|------------|------------|---------------|
| Specific Gravity | 1.55       | 1.38       | 2.56       | 1.14       | 1.14       | 0.9           |
| Tensile Strength | 44 - 109   | 64 - 124   | 200 - 215  | 58 - 128   | 58 - 128   | 50 - 85       |
| Abrasion & Flex  | Fair       | Very Good  | Poor       | Excellent  | Very Good  | Very Good     |
| Weak Acids       | Poor       | Very Good  | Excellent  | Fair       | Fair       | Excellent     |
| Strong Acids     | Poor       | Good       | Good       | Poor       | Poor       | Excellent     |
| Weak Alkali      | Excellent  | Good       | Fair       | Excellent  | Excellent  | Excellent     |
| Strong Alkali    | Excellent  | Poor       | Poor       | Excellent  | Excellent  | Excellent     |
| Solvents         | Good       | Good       | Excellent  | Good       | Good       | Fair          |
| Temperature (F°) | 200 - 240° | 275 - 325° | 500 - 600° | 275 - 300° | 400 - 450° | 200 - 220°    |

## Filter Bag Data

| Bag Size                                                | 1                  | 2                                                                  | 3                 | 4                 | X01      | XL        |
|---------------------------------------------------------|--------------------|--------------------------------------------------------------------|-------------------|-------------------|----------|-----------|
| Surface Area Per Bag (ft <sup>2</sup> /m <sup>2</sup> ) | 2.0/0.19           | 4.4/0.41                                                           | 0.5/0.05          | 1.0/0.9           | 2.0/0.19 | 5.3/0.49  |
| Volume Per Bag (gal*/liter)                             | 2.1/7.9            | 4.6/17.3                                                           | 0.37/1.4          | 0.67/2.5          | 2.1/7.9  | 5.5/0.51  |
| Bag Diameter (inch/cm)                                  | 7.0/17.8           | 7.0/17.8                                                           | 4.0/10.2          | 4.0/10.2          | 6.0/15.2 | 9.25/23.5 |
| Bag Length (inch/cm)                                    | 16/40.65           | 32.0/81.3                                                          | 8.25/20.9         | 14.0/35.5         | 22/55.9  | 32/81.3   |
| FSI Filter Vessel Model Number                          | FSPN-40<br>CBFP-11 | FSPN-85<br>FSPN-250<br>CBFP-12<br>and all<br>multi-hole<br>vessels | FSPN-20<br>BFN-13 | FSPN-35<br>BFN-14 | X100B    | XL234     |