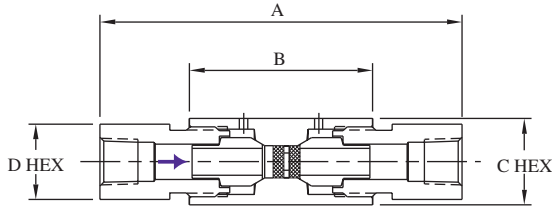


# PIPE FILTERS



BuTech line filters are used in system lines to remove contaminating particles from the system fluid. Upstream filter of larger micron rating than downstream filter to prevent clogging of downstream filter.

Standard materials of construction are 316 stainless steel with 300 series stainless steel filter discs. Available in nominal ratings of: 0.5, 2, 5, 10, 20, 40, and 100 micron.

## LINE FILTERS

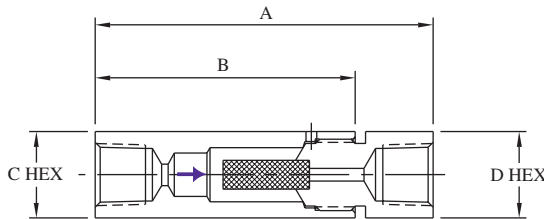
| Catalog Number | Connection | MAWP                   | Area*                                       | A                | B               | C               | D               |
|----------------|------------|------------------------|---|------------------|-----------------|-----------------|-----------------|
| FPLF2          | 1/8" NPT   | 15,000 PSI<br>1030 bar | 0.06 in <sup>2</sup><br>39 mm <sup>2</sup>  | 3.62"<br>(91.9)  | 1.75"<br>(44.5) | 0.75"<br>(19.1) | 0.63"<br>(16.0) |
| FPLF4          | 1/4" NPT   | 15,000 PSI<br>1030 bar | 0.15 in <sup>2</sup><br>97 mm <sup>2</sup>  | 4.19"<br>(106.4) | 2.12"<br>(53.8) | 0.88"<br>(22.4) | 1.00"<br>(25.4) |
| FPLF6          | 3/8" NPT   | 15,000 PSI<br>1030 bar | 0.15 in <sup>2</sup><br>97 mm <sup>2</sup>  | 5.20"<br>(132.1) | 2.12"<br>(53.8) | 1.00"<br>(25.4) | 1.00"<br>(25.4) |
| FPLF8          | 1/2" NPT   | 15,000 PSI<br>1030 bar | 0.30 in <sup>2</sup><br>194 mm <sup>2</sup> | 5.80"<br>(147.3) | 2.50"<br>(63.5) | 1.38"<br>(35.1) | 1.38"<br>(35.1) |
| FPLF12         | 3/4" NPT   | 10,000 PSI<br>690 bar  | 0.50 in <sup>2</sup><br>323 mm <sup>2</sup> | 6.67"<br>(169.4) | 3.50"<br>(88.9) | 1.75"<br>(44.5) | 1.75"<br>(44.5) |
| FPLF16         | 1" NPT     | 10,000 PSI<br>690 bar  | 0.50 in <sup>2</sup><br>323 mm <sup>2</sup> | 7.17"<br>(182.1) | 3.50"<br>(88.9) | 1.75"<br>(44.5) | 2.12"<br>(53.8) |

\*Effective area of filter element

Micron rating of filter must be specified. To order, complete the catalog number with the desired micron rating, upstream first:

### FPLF4-40/20

specifies a line filter with 1/4" NPT connections, a 40 micron filter upstream and 20 micron downstream.



BuTech sintered cup filters offer maximum filtration surface area for removal of contaminating particles from the fluid system. They may be used in systems which require high flow rates with minimum pressure drop.

Standard materials of construction are 316 stainless steel with 300 series stainless steel filter discs. Available in nominal ratings of: 5, 10, 20, 40, and 100 micron.

## SINTERED CUP FILTERS

| Catalog Number | Connection | MAWP                   | Area*  | A                | B                | C               | D               |
|----------------|------------|------------------------|--|------------------|------------------|-----------------|-----------------|
| FPSCF2         | 1/8" NPT   | 15,000 PSI<br>1030 bar | 0.54 in <sup>2</sup><br>348 mm <sup>2</sup>  | 2.62"<br>(66.5)  | 2.12"<br>(53.8)  | 0.62"<br>(15.7) | 0.62"<br>(15.7) |
| FPSCF4         | 1/4" NPT   | 15,000 PSI<br>1030 bar | 0.54 in <sup>2</sup><br>348 mm <sup>2</sup>  | 2.94"<br>(74.7)  | 2.26"<br>(57.4)  | 0.75"<br>(19.1) | 0.75"<br>(19.1) |
| FPSCF6         | 3/8" NPT   | 15,000 PSI<br>1030 bar | 1.47 in <sup>2</sup><br>948 mm <sup>2</sup>  | 3.44"<br>(87.4)  | 2.62"<br>(66.5)  | 1.12"<br>(28.4) | 1.12"<br>(28.4) |
| FPSCF8         | 1/2" NPT   | 15,000 PSI<br>1030 bar | 1.47 in <sup>2</sup><br>948 mm <sup>2</sup>  | 4.23"<br>(107.4) | 3.50"<br>(88.9)  | 1.38"<br>(35.1) | 1.38"<br>(35.1) |
| FPSCF12        | 3/4" NPT   | 10,000 PSI<br>690 bar  | 1.75 in <sup>2</sup><br>1129 mm <sup>2</sup> | 5.94"<br>(150.9) | 4.75"<br>(120.7) | 1.75"<br>(44.5) | 1.75"<br>(44.5) |
| FPSCF16        | 1" NPT     | 10,000 PSI<br>690 bar  | 4.60 in <sup>2</sup><br>2968 mm <sup>2</sup> | 8.09"<br>(205.5) | 5.75"<br>(146.1) | 2.12"<br>(53.8) | 2.12"<br>(53.8) |

\*Effective area of filter element

Micron rating of filter must be specified. To order, complete the catalog number with the desired micron rating:

### FPSCF4-20

specifies a line filter with 1/4" NPT connections and a 20 micron filter.

All dimensions are for reference only and are subject to change.  
Dimensions in parentheses are millimeters (mm)

