KONGSBERG
AUTOMOTIVE

# UltiFlex®
FLUID TRANSFER SYSTEMS



## PROPERTIES

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|---|---|
| APPLICATION | **FOR ANY INDUSTRY – PHARMACEUTICAL, BIO-TECH, FOOD & BEVERAGE, CHEMICAL, PETRO-CHEMICAL, GENERAL PURPOSE INDUSTRIAL, AUTOMOTIVE OE & AUTOSPORT** |
| DESIGN | **1/2" - 2" PATENTED MANUFACTURE OF SMOOTHBORE, CONVOLUTED PTFE HOSE CONSTRUCTION** |
| INNER LAYER | **FDA APPROVED VIRGIN OR ANTI-STATIC PTFE TUBE** |
| OUTER LAYER | **1/2" - 2" 304SS BRAID** |
| TEMPERATURE MIN/MAX | **-60°C TO +260°C (-76°F TO +500°F)** |
| MATERIAL | **PTFE ACCORDING TO: "ASTM D4895, TYPE 1, GRADE 4, CLASS B"** |
| CERTIFICATION | **IN COMPLIANCE; FDA, EU FOOD, USP CLASS VI, ANTI-STATIC (AS), EN;16643 & MATERIAL CERTIFICATION** |

## PRODUCT DESCRIPTION

UltiFlex® – Ultra-flexible, smoothbore PTFE hose range. When space is an issue, but a smoothbore is a must for an uninterrupted flow and ease of cleaning. Also for arduous applications where strength and resilience coupled with PTFE's unique qualities are required. Bespoke UltiFlex® PTFE hose assemblies are available directly from KA with non-lined or lined (Tafted / Flared) end fittings to improve cleanliness, remove or reduce bug traps and improve the ability to clean in place (CIP) & Sterilize in Place (SIP).

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## UltiFlex®

| PART NUMBER | DESCRIPTION | ID NOMINAL | | OD NOMINAL | | TUBE WALL THICKNESS NOM. | | MAX. WORKING PRESSURE | | MIN. BURST PRESSURE | | MIN. BEND RADIUS | | FORCE TO BEND | | WEIGHT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (mm) | (in) | (mm) | (in) | (mm) | (in) | (psi) | (bar) | (psi) | (bar) | (mm) | (in) | (kg) | (lbs) | (kg/m) | (lb/ft) |
| SBC12-0B01 | 1/2" Ultiflex® | 13,40 | 0,53 | 18,00 | 0,71 | 1,60 | 0,06 | 870 | 60,00 | 3481 | 240 | 38 | 1,50 | 5,00 | 11,00 | 0,26 | 0,18 |
| SBC20-0B01 | 3/4" Ultiflex® | 19,10 | 0,75 | 24,10 | 0,95 | 1,80 | 0,07 | 870 | 60,00 | 3481 | 240 | 50 | 1,97 | 5,00 | 11,00 | 0,42 | 0,28 |
| SBC22-0B01 | 7/8" Ultiflex® | 21,00 | 0,83 | 27,00 | 1,06 | 2,10 | 0,08 | 798 | 55,00 | 3191 | 220 | 55 | 2,17 | 6,50 | 11,00 | 0,50 | 0,34 |
| SBC25-0B01 | 1" Ultiflex® | 25,50 | 1,00 | 31,40 | 1,24 | 2,20 | 0,09 | 725 | 50,00 | 2901 | 200 | 70 | 2,76 | 7,00 | 11,00 | 0,64 | 0,43 |
| SBC32-0B01 | 11/4" Ultiflex® | 31,80 | 1,25 | 39,30 | 1,55 | 2,65 | 0,10 | 653 | 45,00 | 2611 | 180 | 100 | 3,94 | 8,50 | 11,00 | 0,90 | 0,60 |
| SBC40-0B01 | 11/2" Ultiflex® | 38,10 | 1,50 | 46,10 | 1,81 | 3,00 | 0,12 | 580 | 40,00 | 2321 | 160 | 140 | 5,51 | 13,50 | 11,00 | 1,18 | 0,79 |
| SBC50-0B01 | 2" UltiFlex® | 49,50 | 1,95 | 58,20 | 2,29 | 3,00 | 0,12 | 435 | 30,00 | 1740 | 120 | 280 | 11,02 | 20,00 | 44,00 | 1,72 | 1,15 |

## UltiFlex® Conductive

| PART NUMBER | DESCRIPTION | ID NOMINAL | | OD NOMINAL | | TUBE WALL THICKNESS NOM. | | MAX. WORKING PRESSURE | | MIN. BURST PRESSURE | | MIN. BEND RADIUS | | FORCE TO BEND | | WEIGHT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (mm) | (in) | (mm) | (in) | (mm) | (in) | (psi) | (bar) | (psi) | (bar) | (mm) | (in) | (kg) | (lbs) | (kg/m) | (lb/ft) |
| SBCF12-0B01 | 1/2" Ultiflex® AS | 13,40 | 0,53 | 18,00 | 0,71 | 1,60 | 0,06 | 870 | 60,00 | 3481 | 240 | 38 | 1,50 | 5,00 | 11 | 0,26 | 0,18 |
| SBCF20-0B01 | 3/4" Ultiflex® AS | 19,10 | 0,75 | 24,10 | 0,95 | 1,80 | 0,07 | 870 | 60,00 | 3481 | 240 | 50 | 1,97 | 5,00 | 11 | 0,42 | 0,28 |
| SBCF22-0B01 | 7/8" Ultiflex® AS | 21,00 | 0,83 | 27,00 | 1,06 | 2,10 | 0,08 | 798 | 55,00 | 3191 | 220 | 55 | 2,17 | 6,50 | 14 | 0,50 | 0,34 |
| SBCF25-0B01 | 1" Ultiflex® AS | 25,50 | 1,00 | 31,40 | 1,24 | 2,20 | 0,09 | 725 | 50,00 | 2901 | 200 | 70 | 2,76 | 7,00 | 15 | 0,64 | 0,43 |
| SBCF32-0B01 | 11/4" Ultiflex® AS | 31,80 | 1,25 | 39,30 | 1,55 | 2,65 | 0,10 | 653 | 45,00 | 2611 | 180 | 100 | 3,94 | 8,50 | 19 | 0,90 | 0,60 |
| SBCF40-0B01 | 11/2" Ultiflex® AS | 38,10 | 1,50 | 46,10 | 1,81 | 3,00 | 0,12 | 580 | 40,00 | 2321 | 160 | 140 | 5,51 | 13,50 | 30 | 1,18 | 0,79 |
| SBCF50-0B01 | 2" UltiFlex® AS | 49,50 | 1,95 | 58,20 | 2,29 | 3,00 | 0,12 | 435 | 30,00 | 1740 | 120 | 280 | 11,02 | 20,00 | 44 | 1,72 | 1,15 |

