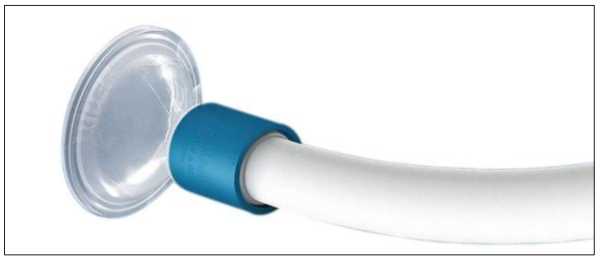
| | | | [mm] | [inch] | [mm] | [inch] |
|---|---|---|---|---|---|---|
| **Straight reducer connector**  | VE-PFR-062X125-PPAF | VE-PFR-062X125-PVDF | 1,6 | 1/16” | 3,2 | 1/8” |
| | VE-PFR-062X250-PPAF | VE-PFR-062X250-PVDF | 1,6 | 1/16” | 6,4 | 1/4” |
| | VE-PFR-125X187-PPAF | VE-PFR-125X187-PVDF | 3,2 | 1/8” | 4,8 | 3/16” |
| | VE-PFR-125X250-PPAF | VE-PFR-125X250-PVDF | 3,2 | 1/8” | 6,4 | 1/4” |
| | VE-PFR-187X312-PPAF | VE-PFR-187X312-PVDF | 4,8 | 3/16” | 7,9 | 5/16” |
| | VE-PFR-187X375-PPAF | VE-PFR-187X375-PVDF | 4,8 | 3/16” | 9,5 | 3/8” |
| | VE-PFR-250X375-PPAF | VE-PFR-250X375-PVDF | 6,4 | 1/4” | 9,5 | 3/8” |
| | VE-PFR-250X500-PPAF | VE-PFR-250X500-PVDF | 6,4 | 1/4” | 12,7 | 1/2” |
| | VE-PFR-375X500-PPAF | VE-PFR-375X500-PVDF | 9,5 | 3/8” | 12,7 | 1/2” |

## Systems of ends, connectors and accessories for pharmaceutical and biotechnology hoses (3)

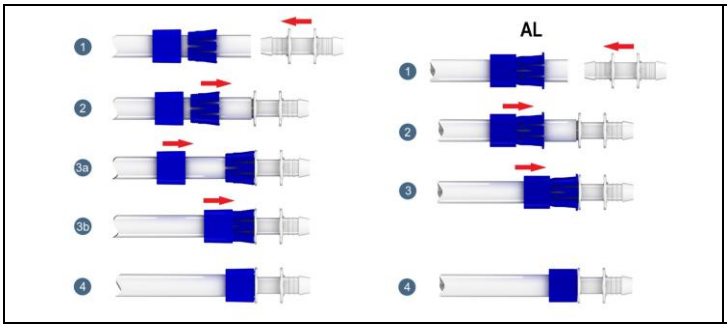


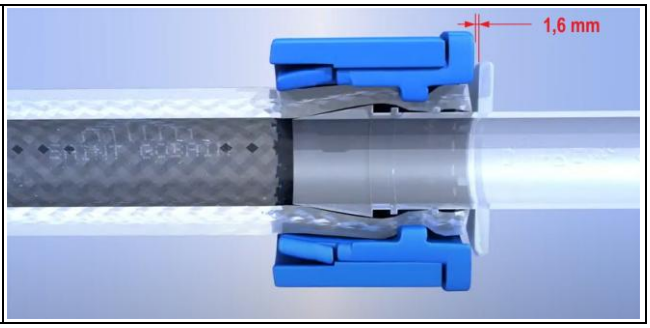
# BarbLock®

**Assembly fittings for biopharmaceutical hoses**

**Material:** polypropylene (PP) or PVDF
**Shore hardness (A):** 85 (PP) / 78 (PVDF)
**Working temperature:** to +93°C (PP) / +135°C (PVDF)
**Working pressure:** 17 bar (20°C) / 7 bar (93°C)
(with proper selection of hose and ends)

Fittings BarbLock® are designed for leak-tight and reliable assembly of ends onto flexible hoses. Unlike the various clamps and clips commonly used, BarbLock fittings® provide full-circumference (360°) compression of the hose onto the end, guaranteeing **a fully leak-tight connection**. They can be used for low-pressure hoses made of plastics and elastomers, unreinforced and braid-reinforced, of various wall thicknesses. The hose ends being fitted, made of plastics, should have the appropriate shape, length and barbs of the "tail" for the hose, as well as a stop flange enabling correct assembly of the fitting. Many types of ends used in laboratory, biopharmaceutical and medical technology can be fitted. Where the end "tail" shape is optimised (as in Pure-Fit ends®SIB®), it also provides **a smooth, stepless transition** between the inner surface of the hose and the interior of the end's tail (*Smooth Inner Bore*). This eliminates turbulence and dead spaces - flow stagnation areas that can become a site for bacterial growth. BarbLock fittings® are made of high-quality, high-purity plastic: polypropylene (PP) or polyvinylidene fluoride (PVDF) meeting the hygienic requirements of USP <88> Class VI and/or USP <87> and ISO 10993-5, free of BPA (Bisphenol A) and substances of animal origin. BarbLock fittings® must be selected to match the inner and outer diameter of the hose. Separate tools (manual or pneumatic) are used to assemble the individual fitting sizes – contact Tubes International.




| drawing | index (polypropylene) | index (PVDF) | inner diameter hose (ID) [mm] | inner diameter hose (ID) [inch] | outer diameter hose (OD) [mm] | outer diameter hose (OD) [inch] | packaging [pcs.] |
|---|---|---|---|---|---|---|---|
| | VE-BL135-040-AL* | VE-BL135-040-AL-PVDF* | 1,6 | 0,062 (1/16”) | 4,0 | 0,156 (5/32”) | 250 |
| | VE-BL135-045-AL | VE-BL135-045-AL-PVDF | | | 4,0 | 0,156 (5/32”) | |
| | VE-BL135-062-AL | VE-BL135-062-AL-PVDF | | | 4,8 | 0,187 (3/16”) | |
| | VE-BL135-093-AL | VE-BL135-093-AL-PVDF | 2,4 | 0,093 (3/32”) | 5,6 | 0,218 (7/32”) | |
| | VE-BL135-110-AL* | VE-BL135-110-AL-PVDF* | 3,2 | 0,125 (1/8”) | 6,4 | 0,250 (1/4”) | |
| | VE-BL135-125 | VE-BL135-125-PVDF | | | 6,4 | 0,250 (1/4”) | |
| | VE-BL135-125-AL | VE-BL135-125-AL-PVDF | | | 6,4 | 0,250 (1/4”) | |
| | VE-BL135-186-AL*** | VE-BL135-186-AL-PVDF*** | | | 6,4 | 0,250 (1/4”) | |
| | VE-BL135-187 | VE-BL135-187-PVDF | 4,8 | 0,187 (3/16”) | 7,9 | 0,312 (5/16”) | |
| | VE-BL135-187-AL | VE-BL135-187-AL-PVDF | | | 7,9 | 0,312 (5/16”) | |
| | VE-BL135-250 | VE-BL135-250-PVDF | 6,4 | 0,250 (1/4”) | 9,5 | 0,375 (3/8”) | |
| | VE-BL135-250-AL | VE-BL135-250-AL-PVDF | | | 9,5 | 0,375 (3/8”) | |
| | VE-BL135-254-AL-LRR** | VE-BL135-254-AL-LRR-PVDF** | | | 9,5 | 0,375 (3/8”) | |
| | VE-BL135-251 | VE-BL135-251-PVDF | | | 11,1 | 0,437 (7/16”) | |
| | VE-BL135-251-AL | VE-BL135-251-AL-PVDF | | | 11,1 | 0,437 (7/16”) | |
| | VE-BL135-252 | VE-BL135-252-PVDF | | | 12,7 | 0,500 (1/2”) | |
| | VE-BL135-252-AL | VE-BL135-252-AL-PVDF | | | 12,7 | 0,500 (1/2”) | |
| | VE-BL135-373-AL | VE-BL135-373-AL-PVDF | 9,5 | 0,375 (3/8”) | 12,7 | 0,500 (1/2”) | |
| | VE-BL135-374 | VE-BL135-374-PVDF | | | 14,3 | 0,562 (9/16”) | |
| | VE-BL135-375 | VE-BL135-375-PVDF | | | 15,9 | 0,625 (5/8”) | |
| | VE-BL135-375-AL | VE-BL135-375-AL-PVDF | | | 15,9 | 0,625 (5/8”) | |