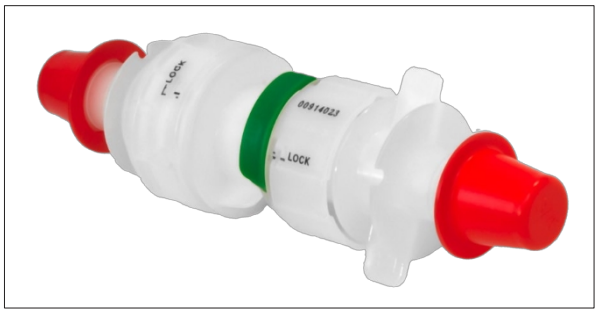
Adapter, coupling and hose accessory systems for pharmaceuticals and biotechnology (5)



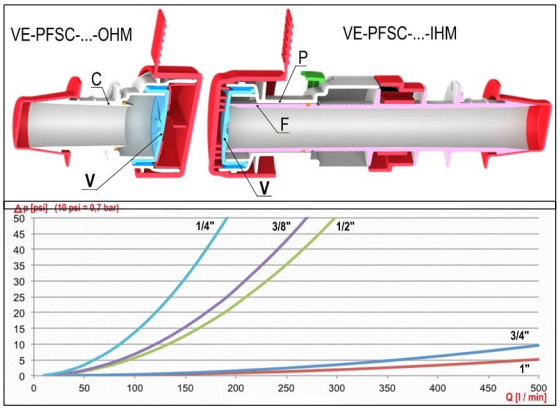
Pure-Fit® SC

Couplings for aseptic connection outside the clean area

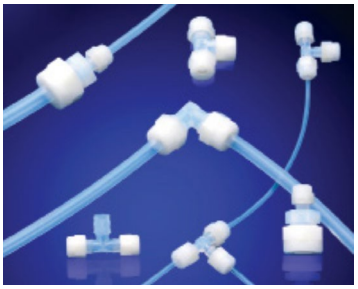
Body material: PVDF
Valve material: Silicone (platinum)
End cap material: C-flex® (TPE)
Operating temperature: 0°C ÷ +40°C
Storage temp: -40°C÷ +25°C
Sterilisation: Radiation - up to 5.0 Mrad (50 kGy) in an autoclave (134°C, 60 min).

Pure-Fit connectors® SC (**Secure Connections**) enable completely sterile hose connections outside the *cleanroom* environment. The connectors consist of two parts - a plug and a socket. They have ends - the 'tails' to the hose made with Pure-Fit technology® SIB® (*Smooth Inner Bore*) to ensure **a completely sealed connection**, and at the same time **a smooth, stepless transition** between the inner surface of the hose and the inside of the t i p tail. Mounted to the hose with Pure-Fit fittings® SIB® . Mounted to the hoses, the socket and plug are joined in a three-step secure sequence of operations, eliminating the possibility of operator error. The red safety caps are sequentially removed, the silicone flexible valves (V) are joined face to face without leaving any dead space, the plug (F) slides into the housing (P) entering deeply into the socket (C), flexing and opening the silicone flexible valves (V), providing a large undisturbed flow (see diagram). The couplings are available in five 'tail' sizes for hose from 1/4" to 1", with 1/4", 3/8" and 1/2" couplings interconnectable, and 3/4" and 1" couplings also interconnectable. The connectors are made of animal substance free (ADCF) and BPA (Bisphenol A) free materials, meeting the requirements of USP<88> Class VI and/or USP<87> and/or ISO 10993-5 and European Pharmacopoeia 3.1.9. Supplied in double packs, unsterilised. May be sterilised by radiation or autoclaving.

index	kind of	Hose inside diameter		working pressure [bar]	length [mm]	width [mm]	packaging [pcs.].
		[inch].	[mm].				
VE-PFSC-0250-CAM	set	1/4"	6,4	2,41	145,3	40,1	25
VE-PFSC-0250-IHM	connector				107,4	37,6	25
VE-PFSC-0250-OHM	nest				50,8	40,1	25
VE-PFSC-0375-CAM	set	3/8"	9,5		153,9	40,1	25
VE-PFSC-0375-IHM	connector				113,8	40,1	25
VE-PFSC-0375-OHM	nest				53,6	40,1	25
VE-PFSC-0500-CAM	set	1/2"	12,7		156,7	41,9	25
VE-PFSC-0500-IHM	plug				115,8	41,9	25
VE-PFSC-0500-OHM	nest				54,4	40,1	25
VE-PFSC-0750-CAM	set	3/4"	19,1	1,38	186,7	64,0	25
VE-PFSC-0750-IHM	connector				147,1	50,8	25
VE-PFSC-0750-OHM	nest				74,7	52,6	25
VE-PFSC-1000-CAM	set	1"	25,4		186,7	68,3	25
VE-PFSC-1000-IHM	connector				147,1	50,8	25
VE-PFSC-1000-OHM	nest				74,7	52,6	25



Other biopharmaceutical connectors, systems and accessories (1)



PharmaFluor® PFA Compression Fittings - fittings (couplings and adapters) with **compression** rings for hoses made of fluoropolymers (FEP, PTFE, PFA) for chemically aggressive and high-purity fluids, for gases and air. For hoses with **outer inch diameters** (1/8", 1/4", 3/8", 1/2"). NPT threaded fittings. Made of 100% pure (*virgin*) PFA, clamping rings in PVDF and PTFE, nut in ETFE. For biomedical, chemical, semiconductor industry applications.

Sani-Tech® Sani-Pro® - connectors and pipes for the construction of rigid piping systems, made of polypropylene or PVDF, with TRICLAMP (TRICLOVER) flanges or for seamless butt welding. Pipes, elbows, tees, fours, reductions - can be combined with each other and with stainless steel installation (True Union Clamps). Sizes according to ASME BPE - typically 3/4" ÷ 3". Used, among others, for biopharmaceutical processes (USP Class VI), water, water for injection (WFI), deionised water, food products (FDA).





Sani-Tech® Sani-Link® Molded Assemblies - using SIB® (*Smooth Inner Bore*) technology, an innovative method of creating finished installations from STHT® -C or STHT® -R silicone hoses (platinum) joined by cast silicone fittings: elbows, tees, "Y" tees, quadruples. Minimises the use of end fittings, ensures smooth internal flow, no leakage. Compliant with USP<88> Class VI and/or USP<87> and/or ISO 10993-5 and EP 3.1.9.

Sani-Tech® TA Tubing Assemblies - prefabricated tubing with ends made of STHT® -C or STHT® -R silicone (platinum) **tubing** with an inner diameter of 1/8"÷ 1", terminated with TRICLAMP ends made of polysulfone or stainless steel with a molded inner and face of the same material (STHT - silicone - platinum) including a gasket. Sterilisation by autoclaving (recommended), radiation or ethylene oxide.

