

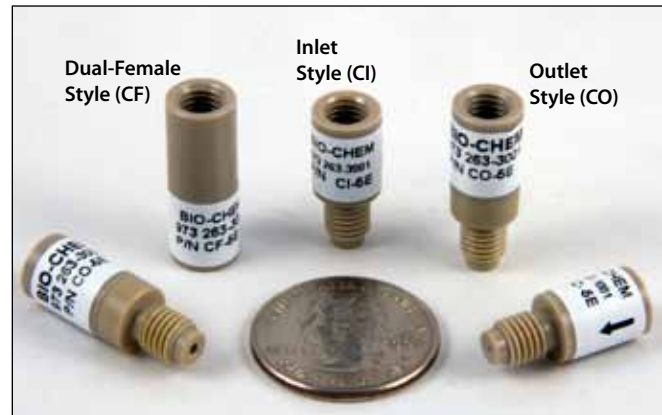
In-line Check Valves

FEATURES OF BIO-CHEK™ CHECK VALVES

- Inert Flow Path - no metallic parts
- Choice of EPDM, FKM and FFKM check elements
- PEEK housing material
- Check against backflow pressure to 100 psi
- Small Internal Volume
- Low Cracking Pressure
- Gravity Independent Installation

SPECIFICATIONS

Cracking pressure	<1 psi
Backpressure generated	@0-30 psi <1 psi
	@30-50 psi 1-2 psi
Maximum pressure rating	50 psi
Maximum Backpressure	100 psi
Internal volume	CI 60 µl
	CO 68 µl
	CF 49 µl
Connection	1/4-28 UNF flat bottom



Bio-Chem Valve™ Bio-Chek™ in-line check valves feature an inert flow path, no metal components and zero maintenance in high-purity, low-pressure applications. Unlike spring-actuated check valves that can restrict or impede the flow path, the Bio-Chek™ in-line check valve features a smooth flow path that minimizes shear and turbulence. The Bio-Chek™ valve provides a flow rate equivalent to a 0.030" (0.76mm) orifice, a cracking pressure of 1 psi or less and check against backflow pressure to 100 psi. Available in inlet, outlet or dual-female configurations, applications include handling syringe pump systems, vacuum systems and other low-flow processes. The valves connect to standard 1/4-28 flat bottom ports and fittings.

Style	Housing material	Check element material		
		EPDM	FKM	FFKM
Inlet style (CI)	PEEK	CI-5E	CI-5V	CI-5C
Outlet style (CO)	PEEK	CO-5E	CO-5V	CO-5C
Dual-Female style (CF)	PEEK	CF-5E	CF-5V	CF-5C

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Polymers referenced in this brochure:

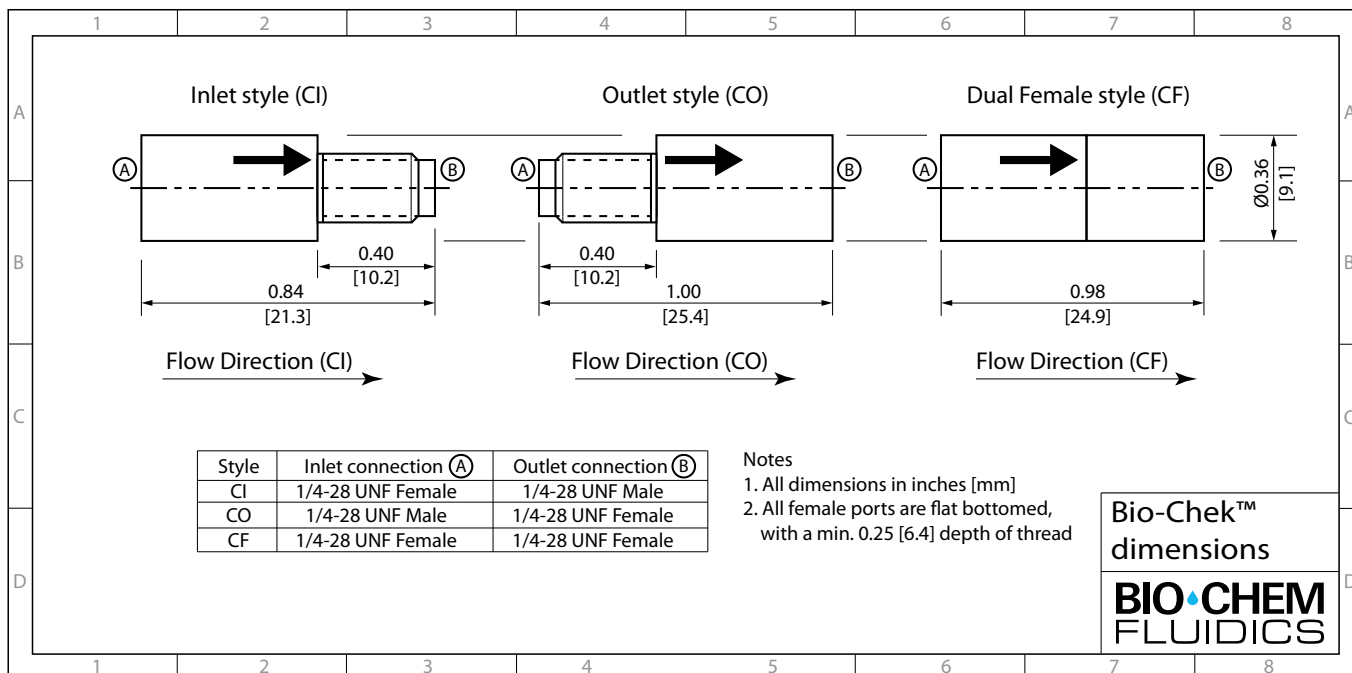
EPDM = ethylene-propylene-diene

FKM = fluorinated elastomer

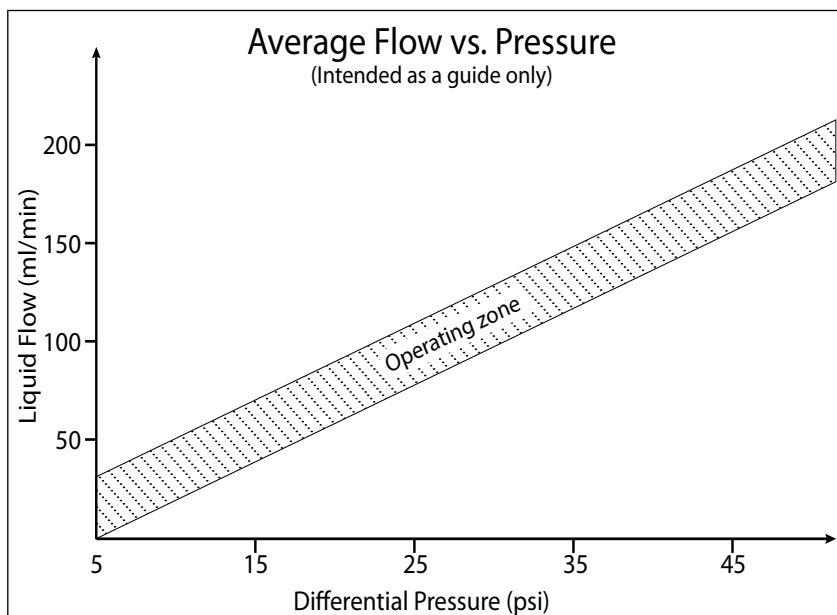
FFKM = perfluoro elastomer

PEEK = polyetheretherketone

INSTALLATION DRAWING



FLOW CHARACTERISTICS



BIO-CHEM FLUIDICS

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