

Simflex™ Liner Product Specification

HC4 Diaphragm Valves

HC4/080/01/03.04

Product Characteristics	Operating Specifications		Remarks
	Min	Max	
Temperature, Deg F	0.00	140.0	
Pressure, psi	0.0	29.0	
Pressure Drop, psi	0.0	1.4	
Flow, l/min	0.0	35.0	
Velocity, M/Sec	0.0	2.3	
Kv, M ³ /Hr @ 100% Open	4.0	30.0	
Linear tested cycle life	1.0	50000.0	1 Full Open/Close cycle per minute for 21 days
Fluid Characteristics			
Specific Gravity	0.95	1.10	
pH	1.00	14.00	
Viscosity, CPS	1.00	500.00	
Solids, Microns	0.1	5.0	Undissolved Ingredient Particulates and Organics

Features

Closure: Bubble Tight under Full Flow and Pressure

Actuation: Manual; Pneumatic Air-to-Open, Fail Close

Tube Size: ID - 1.00" (25mm)
OD - 1.38" (35mm)

Connection: Barb; Butt Weld, Style Overmold, Hygienic Clamp

Cleanliness: Class 10,000

Compliance: USP Class VI
Cytotoxicity CFR21 177

Sterilization:

Gamma Radiation; Chlorine Dioxide; 10⁻⁶ Kill Level

Material of Construction

Standard Resin: Custom medical grade polyethylene blend. ADCF (animal derived component free); 100% Virgin Resin, No Fillers, No Talc

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