

Allowable Industry Leakage Standard

Flo-Tite valves are designed to meet ANSI/FCI requirements, meeting a shut-off class of IV, V or VI

CODE	Class or Seat Type	Test Fluid	Test Pressure	Allowed Pressure	Notes
ANSI/FCI 70-2-1976	I				No Tests performed by agreement between user & Mfg.
	II	Water or air	Lesser of 45-60 psig or max. Pressured difference	0.5% of full rated valve capacity	Pressure and flow measured within - 10%
	III	Water or air	Lesser of 45-60 psig or max. Pressured difference	0.1% of full rated valve capacity	Pressure and flow measured within - 10%
	IV	Water or air	Lesser of 45-60 psig or max. Pressured difference	0.01% of full rated valve capacity	Pressure and flow measured within - 10%
	V	Water	Max. difference Pressure or by agreement	5x10 ml per min per in. dia. Per psi	Pressure and flow measured within - 10%
	VI	Air or nitrogen	Lesser of 45-60 psig or max. Pressured difference	Per B16,104 table to 3" nom. dia	Approx. 6 or less bubbles per min. per in of dia.

Class V: The most frequently specified leakage class is class V, and the Flo-Tite standard.

Class VI: is frequently misinterpreted as "bubble-tight". Actually, a certain amount of leakage is allowed. Coincidentally, this leakage often is measured by the number of bubbles of air that escapes per minute within the established test guidelines. The bubble-tight term is normally associated with resilient seated valves.