

LEAK (on Flowpath) Keys

(See also: Description)

Key	Type Unit()	Parameter set Default[]	Description
ABSPOSITION	Real (m)		Absolute position. Distance from branch inlet.
ALFA	Real		For TEMPDEPENDENCY=ON. Constant used for a temperature dependent GLV. 0 means that the bellows temperature equals the injection temperature, 1 means the production temperature, and interpolation for <0,1>.
BACKPRESSURE	RealList (Pa)		Leak back pressure.
BELLOWSPRESSURE	Real (Pa)		For TEMPDEPENDENCY=ON. Pressure in GLV bellows (dome) at REFTEMPERATURE, used for a temperature dependent GLV.
CD	Real	[0.84]	Leak discharge coefficient. Used only in pressure driven source.
CF	Real (-)		Ratio between gas and liquid sizing coefficient.
CHECKVALVE	Symbol	<None> YES [NO]	Check valve active on the leak valve: NO: No check valve, YES: Check valve present to stop backflow.
CHOKESIZE	Symbol	VPC_Choke	Size of choke in units of 1/64 inches, required dependent on valve name, correlation used, and portsize. Use -1 if no choke is present.
CORRELATION	Symbol	VPC_Correlation	Correlation used to calculate the gas injection rate.
DIAMETER	Real (m)		Maximum equivalent diameter of leak area.
EQUILIBRIUMMODEL	Symbol	HENRYFAUSKE EQUILIBRIUM [FROZEN]	Equilibrium model used in the choke model. FROZEN - No mass transfer. HENRYFAUSKE - Partial equilibrium. EQUILIBRIUM - Gas/liquid equilibrium.
GASLIFTTABLES	Symbollis		Names of tables (defined in keyword