

Pneumatic logic element with Equivalence and Implication functions contains two-position, seven-line manifold; control channel connected to the first of the two input signals; normally closed input channel; upper, middle, and lower normally open input channels, which in the initial position are connected to the upper, middle, and lower output channels, respectively; the middle output channel is blocked; the normally closed input channel and the middle normally open input channel are connected to each other and to the second input signal; the lower normally open input channel is connected to pressure source and to return spring that returns distributor to its initial position. The upper normally open input channel is connected to inversion of the second input signal.