



SPECIFICATION

Model PER 1000 / PER 2000 - PER 1000S / PER 2000S
Service Air
Max Input 10 kg/cm²
Ambient Temp -40° C to +80° C
Signal Range 20 to 100 psi
Pneumatic Connection 1/4" NPT / BSP, 1/2" NPT
Flow Capacities >600 L/min. For each Port
Diaphragm & O Rings Neoprene / EPDM / VITON
Body LM6/SS
Internals AL/Brass/SS

SALIENT FEATURES

Compact Design • Low Cost • Ease of Mode of Action Conversion • Long life • Easy to install

PRODUCT DESCRIPTION

The Trip valves are used for applications where a specific valve position is required, when the supply pressure drops below a specific point. The trip Valve can be used for setting the control valve to fail open, fail close or fail lock position, whenever the supply pressure drops below the trip point.

PRODUCT OPERATION

The Trip valve has its ports marked S, U, E and SIG. positioner output is connected to S port and u port is connected to position cylinder. E port is Connected to either volume tank or blanked depending upon the requirement of specific valve position. The supply pressure connected to 'SIG' port loads upper diaphragm subassembly resulting in closing of exhaust port and opening air path for actuation of piston. The downward movement of piston actuates both valve sub assemblies causing isolation of port 'E' and connection of port 'S' and 'U'. When the supply pressure drops below the trip point, the exhaust port opens, venting the air actuating the piston. The Piston Moves upward causing isolation of port 'S' and connecting of ports 'E' and 'U'. by changing connection of volume tank to either of 'E' ports fail open or close position and by blanking of both the 'E' ports fail lock position can be set.