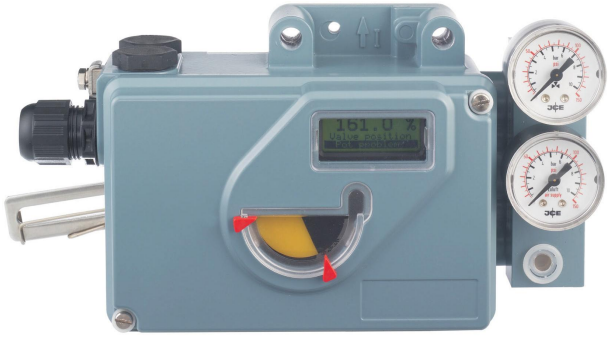

Foxboro SRI990

Samson 3725

Function:

The positioner is mounted on pneumatic control valves and is used to assign the valve position to the control signal.
The positioner compares the electric control signal of a control system to the stroke of the control valve and issues a signal pressure for the pneumatic actuator.
The stroke is measured by the pick-up lever connected to a sensor installed in the positioner and the downstream electronics.
When a system deviation occurs, the actuator is either vented or filled with air.
The minimum and the maximum of the input signal correspond to the end positions of the valve.
If necessary, the signal pressure change can be slowed down by a volume restriction.

Technical data:

Input signal:	4...20 mA, 4...12 mA and 12...20 mA, two-wire system with reverse polarity protection
Air supply:	Acc. to ISO 8573-1: - Maximum particle size and density: class 2 for SRI990, class 4 for 3725 - Oil contents: class 3 - Pressure dew point: class 3 or at least 10 K below ambient temperature
Air supply pressure:	1,4...6 bar (20...90 psi)
Output signal:	0...100% air supply pressure
Characteristic:	Linear
Air connection:	G 1/4" acc. to ISO 228
Operating direction:	Reversible *Factory setting: direct (increasing input => increasing output)*

Type:	**390846x (Foxboro SRI990)**	**390841a. (Samson 3725)**
Max. ambient temperature:	-40 ... 80 °C	-20 ... 80 °C
Protection class:	IP 65	IP 66
Explosion protection:	II 2 G EEx ia IIC T6 (Standard)	II 2 G Ex ia IIC T4 (Option)
Weight:	ca. 1,7 kg	ca. 1,0 kg

Types*:	**List– No.**
Foxboro SRI990 standard Ex-version:	**390 846x**
Samson 3725 standard version:	**390 841a**
Samson 3725 Ex-version:	**390 841ax**

*** On request:**
- *Accessories (for instance output signal 4...20 mA, inductive limit switches, pressure gauge)*
- *Special design (for instance other protection class, stainless steel housing, version for oxygen)*
- *Positioner from other producer (for instance ABB, Flowserve, Siemens)*
- *Positioner for other communications (for instance HART, PROFIBUS)*