



Description:

The DT-F20 positioner is a loop powered instrument. The DT intelligent electro-pneumatic valve positioner accepts 4-20mA valve setting signal from the control system; at the same time, it receives the actual valve signal through the local sensors; the two signals are compared by control software in order to control the feeding and exhaust of the air to the actuator, driving the valve to reach the set point. The DT-F20 positioner is based on microprocessor technology. It can overcome friction and the imbalance power on the control valve well, and improve the response speed of the control valve. This sets the position rapidly and accurately.

General Specification:

Operating Pressure	: P min = 1.4 bar P max = 7 bar Design pressure = 10 bar	Operating temperature	: -20°C / +70°C
Static air consumption	: 0.036 Nm ³ /h	Signal	: 4-20mA
Feeding connection	: ND 1/4"	Repeatability	: 0.2% of the full stroke
Output connection	: ND 1/4"	Accuracy	: 0.5% of the full stroke
Pilot Signal connection	: M20	Hysteresis	: 0.2% of the full stroke
CV max	: ND 1/4" Inlet = 0.12 ND 1/4" Outlet = 0.12	Environmental Humidity	: 5% - 95%RH
		Input independence	: 375 X/20mA
		Weight	: 2kg

Materials:

Housing	: Aluminium Alloy
Finish	: Anodised Silver
Shaft	: Stainless Steel

Media:

- Non-lubricated instrument air, filtered at 25 microns
- Dew point should be 10°C below environmental temperature
- Air quality class 3-2-3 according to ISO 8573-1

