

# Proportional Control in Pneumatic Piston Valves

## Application Areas

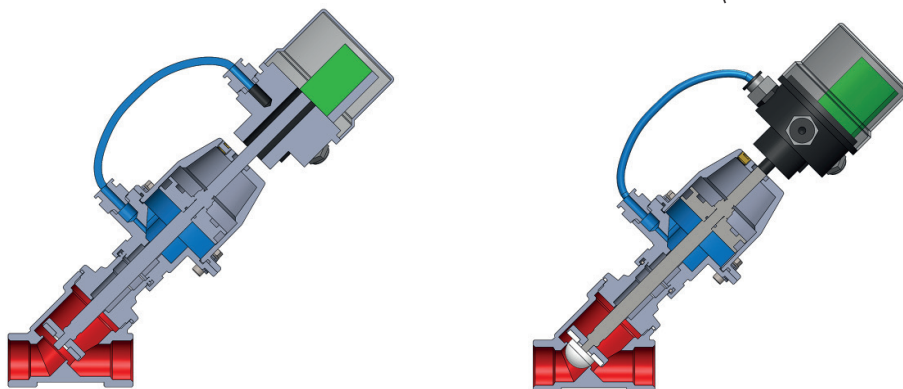
Water, Air, Vapour, Gas, Chemicals, Petrol Products, Food, Pharmaceutical, Sterilized Environment, Refining, Dye Machines, Packaging Machines, Drinking Water Station, Vacuum Applications, Oil, Petrol, Alcohol, Hydraulic Oil, Salt Water, Natural Gas, Acid

TORK Pneumatic Piston Valves can be controlled proportionally. In proportional valves, the orifice shaft sit is made in a special form. Therefore, it should be stated that the valve will be used proportionally in the orders.

## Technical Features

- Pilot Air Pressure** : 4-8 bar
- Environment Temperature** : 0...50 °C
- Electrical Protection Voltage** : IP66 (EN 60529)
- Setpoint** : 0-10 V
- Current Setpoint** : 4-20 mA
- Supply Voltage** : 24 VDC 10%
- Coupling Connection Dimensions** : G 1/8"

**NORMALLY CLOSED**



## PPR80 Serie Proportional Piston Valves (Normally Closed)

Connection Size	Orifice Size	Working Pressure*		Actuator Type	KV	Fluid Temperature		Seal	Valve Type/ Order No	Weight
		mm min	mm max			°C min	°C max			
1/2"	15	-1	16	63	98	-10	180	PTFE	PP1080.03	2.800
3/4"	20	-1	12	63	170	-10	180	PTFE	PP1080.04	3.000
1"	25	-1	8	63	305	-10	180	PTFE	PP1080.05	3.300
1 1/4"	32	-1	12	80	460	-10	180	PTFE	PP1080.06	4.500
1 1/2"	40	-1	8	80	750	-10	180	PTFE	PP1080.07	5.850
2"	50	-1	6	80	1050	-10	180	PTFE	PP1080.08	6.350

For Proportional Control; Linear Electro - Pneumatic Positioner

Type/ Order No	Description	Proportional Valve Type
PP 1080 Linear Positioner	Input: 4-20mA 4-8 bar compressed supply air	It should be stated that the Proportional Valves will use proportionally.

\* The maximum working pressure in the tables is given according to the pilot pressure of 6 bar.