



290 - 390

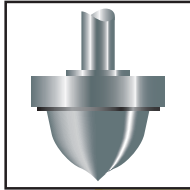
PROPORTIONAL VALVES



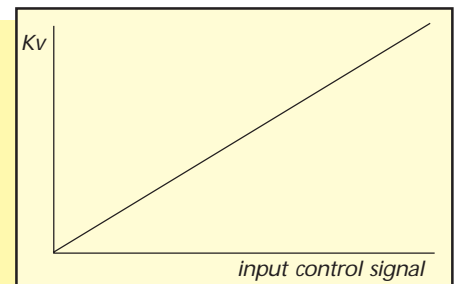
ASCO[®]
JOUCOMATIC  

Series 290-390 2 or 3-way proportional valves equipped with **Posimatic** and **Compact Positioner** offer a compact solution and are simple to install and easy to adjust.

These valves can be used in many processes: sequential control systems, regulation in open and closed loop, flow or pressure control by servo-adjustment of the disc stroke.



The 2-way 290 PD valves are equipped with a profiled disc. Its parabolic design allows the Kv to be directly proportional to the disc raising.



1



2



3

1 - Food processing
2 - Water treatment
3 - Pharmaceutical industry

Posimatic and **Compact Positioner** are used in applications such as:

- fluid temperature regulation
- automatic or semi-automatic control of filling and weighing systems for cans, drums ...
- mixing of different liquids

• These valves are used in many sectors such as food processing, water treatment, breweries, machine tools etc.

POSIMATIC

- **EASY TO USE**
- **TIME SAVING**



In installations where it is necessary to adapt process parameters directly on site, the **Posimatic positioner** mounted on a series 290 - 390 2 or 3-way valve allows to set up a large range of flow characteristics. The system is easily programmable by 4 data entry keys, a popup menu and an alphanumeric LCD screen.

Self-calibration function for automatic adaptation to the characteristics of the valve.

The valve has an integrated manual control function to simplify testing.



COMPACT POSITIONER

For machinery where space is at a premium, the **Compact positioner**, mounted directly on the valve, represents a simple and economic solution.

Each valve equipped with a positioner is accompanied by a test certificate showing its calibration curve, guaranteeing the linearity of the characteristic "setpoint/opening".

SERIES 290 and 390 PROPORTIONAL VALVES

FLUIDS CONTROLLED	Hot water (95°C), air, inert gas, oil	Water, air, inert gas, oil, industrial vacuum, steam (180°C) corrosive fluids	Water, air, inert gas, oil, industrial vacuum, steam (180°C) corrosive fluids
Series	"COMPACT" BRONZE 2/2 NC	BRONZE - STAINLESS STEEL 2/2 NC	BRONZE 3/2 NC
NOMINAL DIAMETER	15 to 25 mm	15 to 65 mm	15 to 50 mm
DIFFERENTIAL PRESSURE	0 - 10 bar	0 - 16 bar	0 - 16 bar
MAX. ALLOWABLE PRESSURE	16 bar	16 bar	16 bar
FLUID TEMPERATURE	- 10°C, + 95°C	- 10°C, + 180°C	- 10°C, + 180°C
AMBIENT TEMPERATURE	- 10°C, + 60°C	- 10°C, + 60°C	- 10°C, + 60°C
OPERATORS	Ø 50 and 63 mm	Ø 50, 63, 90 and 125 mm	Ø 63, 90 and 125 mm
PILOT FLUID	Air	Air	Air
COMPLEMENTARY RANGES	Flange connection Bronze/cast iron body ND 25 to 50 mm Butt welding and clamp connections Oxygen service		
	Compact Positioner		Posimatic
PILOT PRESSURE	4 to 10 bar		4 to 6 bar
ANALOG SETPOINT	0 - 10V DC	0 - 20 mA	4 - 20 mA
	Set when ordered		Set by menu
OUTPUT SIGNALS	0 - 10V DC		0 - 10V DC
- Position feedback			0 - 20 mA
- 2 alarm outputs			4 - 20 mA
- 1 error output			PNP 24V /500 mA 24V /500 mA
PROTECTION	IP65		IP65



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