CONTROLS (UK) LTD



Fine Controls have been supplying process controls & instrumentation equipment since 1994, & now serves an ever expanding customer base, both in the UK & globally.

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Pressure: Pressure Gauges & Transmitters, Precision & High Pressure Regulators & I-P Converters, Volume boosters.

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Valves: Solenoid & Pneumatic Valves, Control Valves & Positioners, Actuated Ball, Globe or Diaphragm Valves & Isolation Valves

Services: Repair, Calibration, Panel Build, System Design & Commissioning





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Honeywell











Fine Controls (UK) LTD, Bassendale Road, Croft Business Park, Bromborough, Wirral, CH62 3QL UK
Tel: 0151 343 9966
Email: sales@finecontrols.com



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2/2-way Solenoid valve

- for high pressures
- servo-assisted

The servo-assisted Type 2400 valve has a servo-piston with a 2-way servo-control. It is designed for high pressures.

The speciality of this valve design lies in the layout of the seat and sealing element. An additional radial seal make very good sealing possible.

The tapered sealing element of the servocontrol permits the switching of high pressure at relatively low coil power.

Technical data						
Body material	stainless steel, brass and stainless steel, nickel-plated					
Valve internals	stainless steel					
Sealing material	PEEK/FKM; PCTFE/FKM; PTFE/FKM					
Media	neutral gases and fluids					
Medium temperature PEEK/FKM PCTFE/FKM PTFE/FKM Ambient temperature	-10 to +80 °C -10 to +80 °C -10 to +80 °C max. +55 °C					
Viscosity	ca. 21 mm/s					
Operating voltage	24/DC 24/220-230 V / 50 Hz other voltages on request					
Voltage tolerance	±10%					
Cycling rate	ca. 80/min					
Duty cycle	100 % continuous rating					
Electrical connection	Cable plug (part of the delivery)					
Protection class	IP65 with cable plug					
Installation	as required, preferably with actuator upright					



Technical data

Orifice	Kv-value water	Port connection	Pressure range		Electrical power consumption			Response times		Weight
[mm]	[m/h]		AC [bar]	DC [bar]		Inrush	Hold	Opening [ms]	Closing [ms]	[kg]
5.0	0.6	G 1/4	1-250	1-200	AC	85 VA	48 VA/20 W	100	300	1.2
8.0	1.0	G 3/8	1-250	1-210				bis	bis	1.4
12.0	2.6	G 1/2	1-250	1-160	DC	20 W	20 W	200	500	1.95

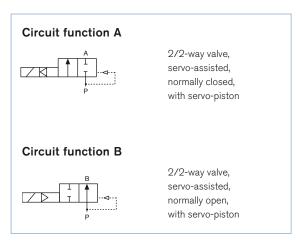
Kv value [mm/h]: Flow rate value for water, measured at +20 °C and 1 bar pressure differential over a fully opened valve.

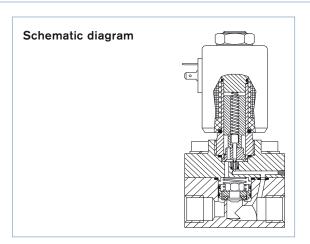
Pressure data [bar]: Overpressure with respect to atmospheric pressure $% \left(1\right) =\left(1\right) \left(1\right) \left($

Response times [ms]: measured at valve outlet at 6 bar and +20 °C

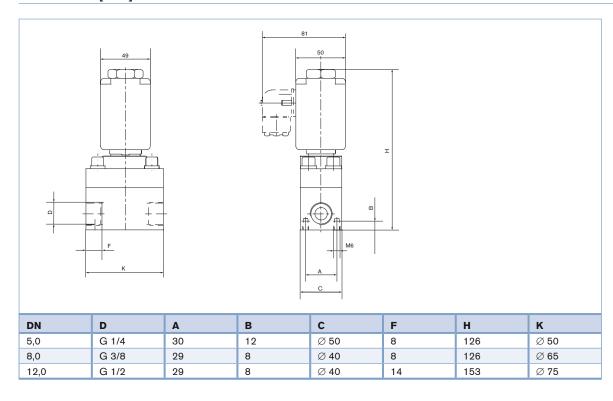
Opening pressure build-up 0...90% Closing: pressure relief 100...10%

Circuit functions of the valve





Dimentions [mm]





Ordering chart for valves (other versions on request)

Circuit function	Orifice [mm]	Port connection	Kv-value water [m/h]	Pressure range [bar]	Body material	Seal material	Voltage/ frequency [V/Hz]	Item no.
Α	5.0	G 1/4	0.6	1-200	Brass	PEEK/FKM	24/DC	002 366
				1-250	Brass	PEEK/FKM	220-230/50	002 367
	8.0	G 3/8	1.0	1-210	Brass	PEEK/FKM	24/DC	002 369
				1-250	Brass	PEEK/FKM	24/50	132 436
							230/50	002 370
	12.0	G 1/2	2.6	1-250 Stainless steel	Stainless		24/DC	000 520
					steel		24/50	134 690
							220-230/50	000 422
				1–160	Brass. nickel-plated	PTFE/FKM	24/DC	006 725
							24/50	000 284
							220-230/50	000 455

- Circuit function B (normally open) and EEx ed IIC T4 model on request
- For spare part kit, please refer to Spare Part Catalouge.

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