



# burkert









A rotork Brand

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

We offer a full range of valve & instrumentation products & services, with our product rangerepresenting leading technologies & brands:

**Flow:** Flow Meters & Transmitters, Flow Switches, Flow Control Valves & Batch Control Systems

**Temperature:** Temperature Probes & Thermowells, Temperature ransmitters, Temperature Regulators & Temperature Displays

Level: Level Transmitters & Switches

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

**Precision Pneumatics:** Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

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

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



# A rotorik Brand



## Honeywell



Baumer Group









Fine Controls (UK) LTD, Bassendale Road, Croft Business Park, Bromborough, Wirral, CH62 3QL UK Tel: 0151 343 9966 Email: sales@finecontrols.com 2400





### 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 Viscosity Operating voltage	-10 to +80 °C -10 to +80 °C -10 to +80 °C max. +55 °C ca. 21 mm/s 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 i	Elect powe	rical r consum	ption	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

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]	ltem no.
A	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	PCTFE/FKM	24/DC	000 520
							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.

If case of special conditions, please consult for advice.

Subject to alteration. © Christian Bürkert GmbH & Co. KG

www.buerkert.com

1012/02\_EU-en\_00891942