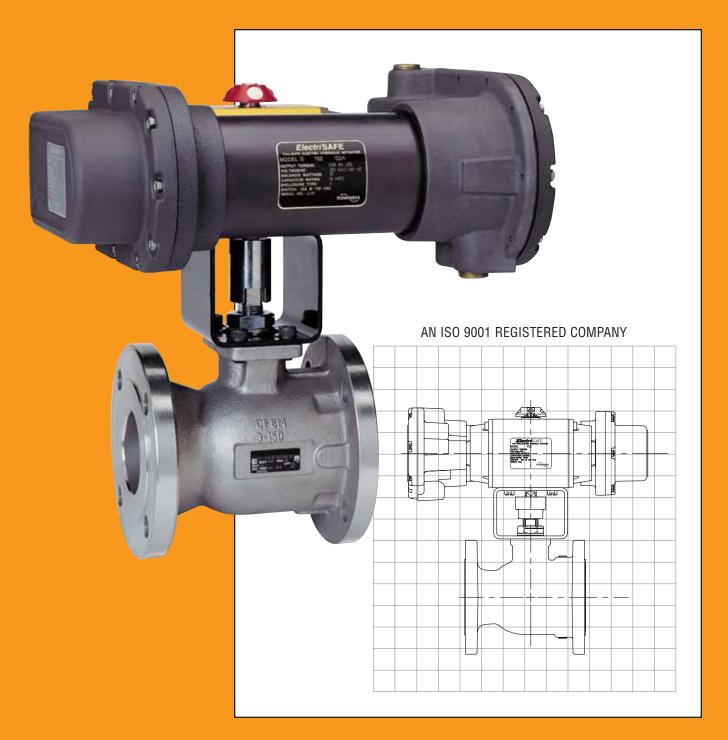


FCD WCENBR1022-01 (Part PB 936)



Series 72 Electri-SAFE®

Electro-Hydraulic Actuator for Quarter-turn Valves and Dampers

Worcester Controls

FLOWSERVE

A high-quality actuator with all the features you've hoped for in a Fail-Safe Electric Actuator.

Worcester's new patented Series 72 *Electri*-SAFE actuator is a powerful, compact and economical means of electrically actuating valves in your process while meeting your safety requirements. *Electri*-SAFE is an Electro-Hydraulic actuator that operates like a spring-return pneumatic actuator. You get the same speed and reliability you are used to with pneumatic actuators, but far more cost effectively.



Simple two-wire 120 VAC control

Watertight, corrosion-resistant enclosure Type 4, 4x, 7, 9, 12

> ISO 5211 Mounting—mount on any ISO designed quarter-turn valve



Two SPDT 15 A switches for position indication

Other Features and Benefits

- Wide temperature range (0°F* to 150°F).
- Fail-safe on power failure.
- Fast-moving valve closure—in as little as one second.
- Long operational life.



Return Stroke Solenoid

- Mount Electri-SAFE in any position. There is no hydraulic reservoir.
- No clutches, battery packs or clock springs.
- Torque up to 900 in-lb.
- * Heat Tracing required below 0°F and recommended below 32°F



Worcester Controls

Approvals*:

CSA approved for Type 1 General Purpose Indoor Locations. Factory Mutual approved for Liquid and Gas Safety Shut-off Service. *Contact Flowserve for valves and actuators that require FM approval. *Contact Flowserve for Class I, Div 1 and 2 requirements.



Oil production water dump application

Powerful, fast spring-return fail-safe action, open or closed

Two SPDT 15 A switches for position indication

Maintenance-free hydraulic system with no reservoir-mount in any position

Technical Specifications

Sizes:	1572 a	and 2072		Connection:	
Torque Output:		- Stroke ·	Overload Pro		
Actuator 1572 2072		Open/Hydraulic Start/End 800/540 in-Ib 1300/900 in-Ib	Close/Spring Start/End 800/540 in-Ib 1300/900 in-Ib	Travel Stop L	
90° Rota	tion Tir	ne at 70°F Ambient Temp			
		1572 – 5 sec. open/1 se 2072 – 8 sec. open/3 se		Temperature	
Enclosure	e:	Watertight, corrosion-re		Lubrication:	
		9, 12 – Cast aluminum, Division 1 & 2, Group B, Division 1 & 2, Group E, Division 1 & 2	Conduit Conn		
Voltage:		120 Volt AC		Weight:	
Fortago.		240 Volt AC 24 VDC	* Heat tracing		
Motor An	nps:	120 VAC: 2.5 amps run 240 VAC: 1.5 amps run 24 VDC: 10 amps		** Consult you cycle times	

Two male output shafts

otection: Thermal overload protection with automatic reset

Limit Switches:

Two single-pole/double-throw (SPDT) switches-independent, internally mounted and adjustable

Limits: 0°F* to 150°F**

Actuator is filled with synthetic hydraulic oil and needs no extra lubrication

nections:

Three - 3/4" NPT connections are provided

Weight:	1572 – 45 lb.
	2072 – 55 lb.

required below 0°F and recommended below 32°F. ur Worcester Controls representative for s at specific temperatures.



Worcester Controls

Dimensions inches (mm)

				•	· · · ·												
ACT. SIZE	A	B	C	D	E	F	G	Н	J	K	L	Μ	Ν	Р	R	S	ISO 5211
1572	.28 (7.1)	.31 (7.9)	2.84 (72.1)	M6	.28 (7.1)	1.02 (25.9)	.63 <mark>(16.0)</mark>	1.39 (35.3)	1.97 (50.0)	.87 (22.1)	15.69 (399)	8.02 (204)	4.86 (123)	4.09 (104)	2.05 (52.1)	3.44 (87.4)	F05
2072	.32 (8.1)	.32 (<mark>8</mark> .1)	3.25 (82.6)	M8	.35 (8.9)	1.31 (33.3)	.80 (20.3)	1.95 (49.5)	2.76 (70.1)	.85 (21.6)	17.27 (439)	8.81 (224)	4.69 (119)	4.92 (125)	2.46 (62.3)	3.61 (91.7)	F07
SLOT .159/.156 x .219/.197 DEEP																	
M6 x 1.C	E 0p X .354 1 10-32 ×	HREAD x - DEEP - 4 HOLES DEEP - B DEEP 4 HOLES			- <u>\</u> (L		MOU G RING REG ING SHIPPE		SHOWN FO	C C C C C C C C C C C C C C C C C C C	- 6. -	65 AUXILIARY	/4" NPT _		11.58	() .500 ACROS	/.495 S FLATS

How to Order

Actuator Size	Variations	Product Series	Enclosure	Voltage		
15 20	Blank - Std., Fail Closed 9 - Fail Open B - Breather - Drain Plug DP - Positioner* SP - Step Control* * Contact Factory	72	Z - Enclosure Type 4, 4x, 7, 9, 12 Combined Locations	120 A - 120 VAC 50/60 Hz 240 A - 240 VAC 50/60 Hz 24 VDC		

Due to continuous development of our product range, we reserve the right to alter the product information and specifications contained in this brochure as required.

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