



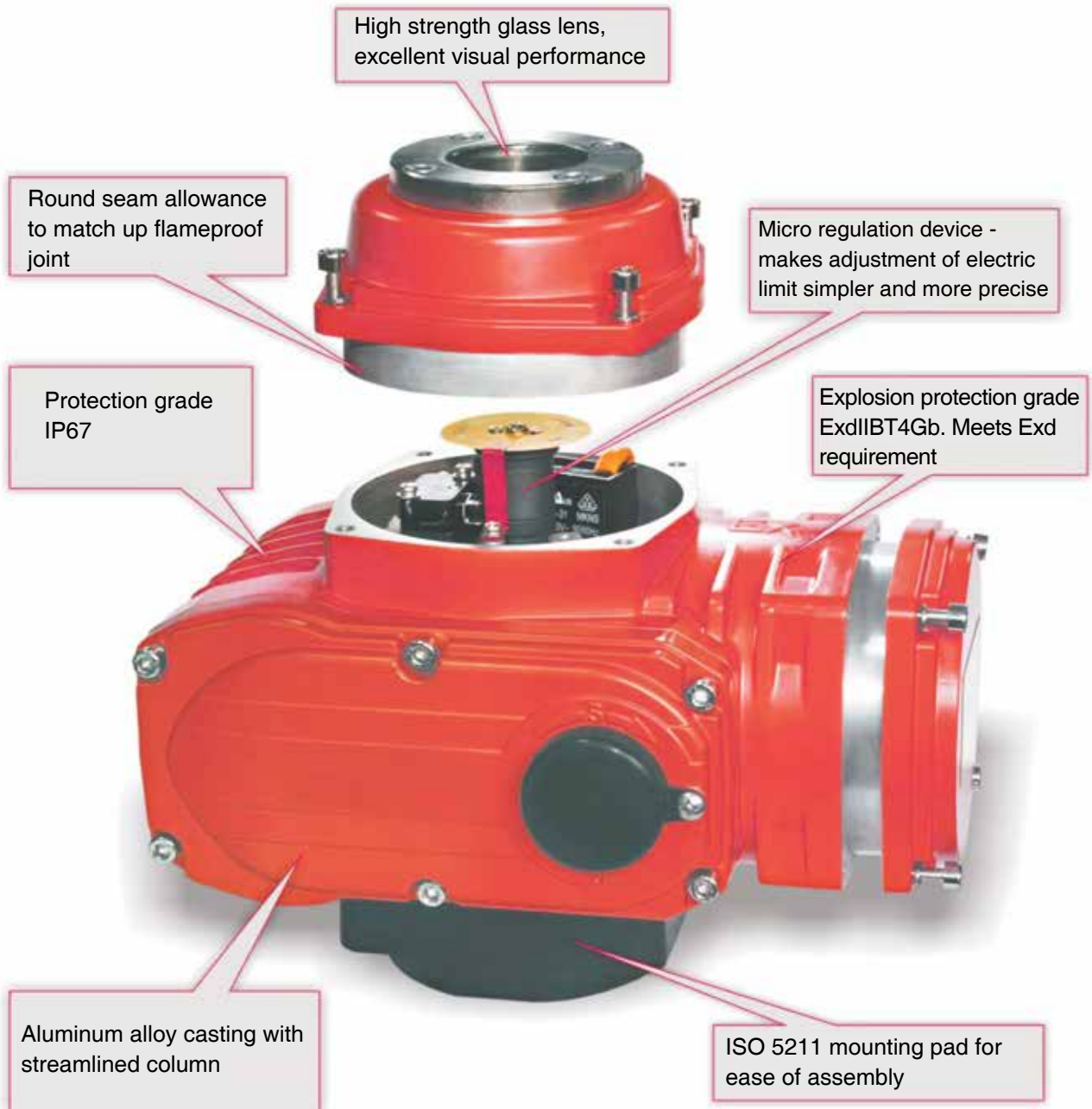
J Flow Controls **JFEE Series** Anti-Explosion Electric Actuator

FEATURES & BENEFITS

- Used for potential explosive environments
- Anti-Explosion Grade ExdIIBT4Gb
- Match with angle stroke valve
- Protection Class IP67

JFEE Series Anti-Explosion Electric Actuator

Overview

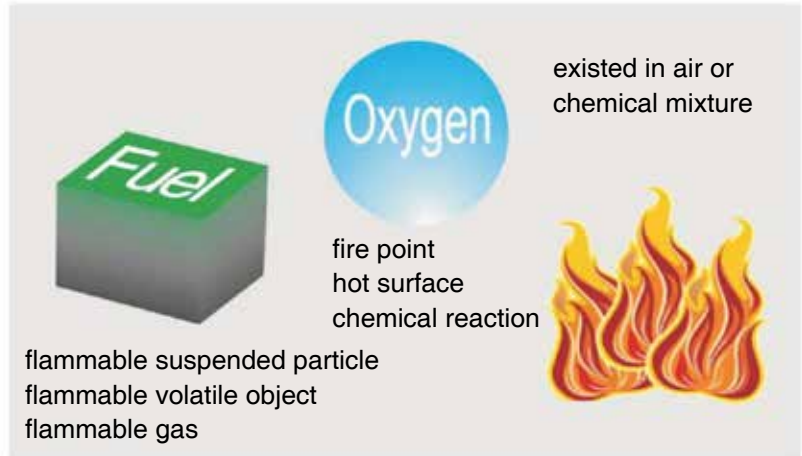


Overview

WHAT IS AN EXPLOSION?

The precondition causing explosion is that explosive material must mix with oxygen in some proportion and cause a chemical reaction under proper ignition conditions. It will be defined Explosion if reaction speed exceed sound velocity.

When explosive mixture run up to a certain extent, it will explode suddenly and cause destructive effects in the form of explosive wave.



WHAT IS AN ANTI-EXPLOSION?

Explosion can be prevented if any of the above conditions occurred. In many working sites, explosive material and oxygen are difficult to avoid, so the ignition source should be restricted.

The electric equipment is a potential ignition source, this results in an elevated surface temperature, ESD or an electric spark caused by transient current when the machine is running.



		Temperature Group					
		T1 (842°F)	T2 (572°F)	T3 (392°F)	T4 (275°F)	T5 (212°F)	T6 (185)
Magnitude of explosive	IIA	Acetone, ethane, ammonia, benzene, acetic acid, carbinol, propane, methyl benzene	Alcohol, butane, butanol, ethene, dichloro ethane	Benzene, diesel oil, aviation gasoline, ethane, fuel	Aldehyde		
	IIB	Gas	Ethene Ethylene Oxygen		Ether		
	IIC	Hydrogen	Ethyne				Carbon, Disulfide

How To Perform Anti-Explosion

There are different ways to make electric equipment suitable for an explosive environment. There are detailed descriptions of these ways in standards GB3836. OEC60079. EN50014.

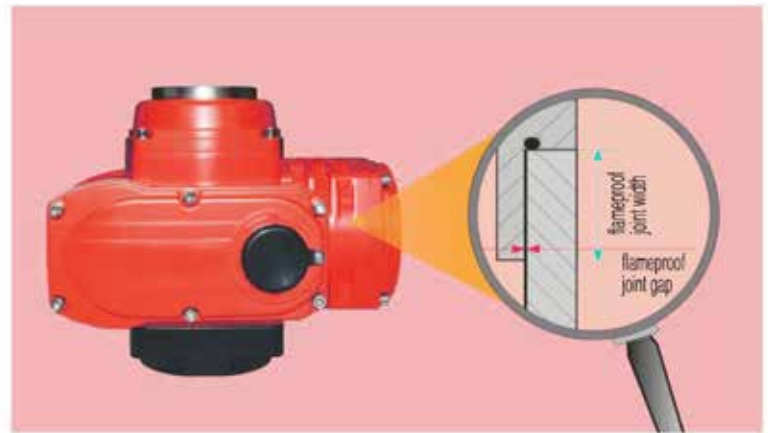
The JFEE Anti-explosion Series Electric Actuator is manufactured as a type of Exd and matches up to requirements of standards GB3836.1-2010, GB3836.2-2010.

Exd

Exd actuators allow interior explosion, the flameproof joint of the casing is designed to prevent the contact of interior sparks or explosive carrier with the outside. Appropriate flameproof joint gap and adequate flameproof joint width can assure this. At the same time, a hard casing can withstand high pressure caused by interior explosion without being damaged.

The following components of the JFEE Series are designed and manufactured by the standard of Exd.

- Electric Motor Cavity
- Electronic Component Cavity
- Connection Cavity



Anti-explosion Grade

The anti-explosion grade of the JFEE Series is: ExdIIBT4Gb:

Ex - anti-explosion identification

D - explosion-proof type

II - electric equipment designed for other explosive gas atmosphere except for colliery

T4 - highest surface temperature allowed of an actuator is 275°F

Gb - protection grade

How to use and maintain the equipment

Operation such as installation, adjustment, maintenance, repair and replacement must be performed by a trained and qualified explosion-proof professional and must be strictly performed according to the Installation & Maintenance of electric equipment.

JFEE Series Anti-Explosion Electric Actuator

Product Type List of JFEE Explosion-proof Series Electric Actuator

Actuator Type	Standard Time/Torque	Optional Time/Torque	Turning Angle (Max. Range)	Total Weight	Power Supply	Selected Control Circuit
JFEE-Ex05	20S/37 ft/lbs	4S/14 ft/lbs 10S/22 ft/lbs 60S/37 ft/lbs	0 ~ 360° Adjustable	6.6 lbs	DC24V AC24V AC110V AC220V AC380V	Types of A/B/C/D/E/F/G/H
JFEE-Ex10	30S/73 ft/lbs	15S/37 ft/lbs 60S/73 ft/lbs	0 ~ 90° Adjustable	11.0 lbs	DC24V AC24V / AC110V AC220V / AC380V	Types of A/B/C/D/E/F/G/H
JFEE-Ex20	30S/147 ft/lbs	15S/73 ft/lbs 60S/147 ft/lbs	0 ~ 90° Adjustable	12.1 lbs	DC24V / AC110V AC220V / AC380V	
JFEE-Ex40	30S/195 ft/lbs	15S/147 ft/lbs 60S/195 ft/lbs	0 ~ 90° Adjustable	20.9 lbs	DC24V AC110V AC220V AC380V	Types of A/B/C/D/E/F/G/H
JFEE-Ex60	45S/442 ft/lbs		0 ~ 90° Adjustable	22.0 lbs		

Valve Match (For Reference Only)

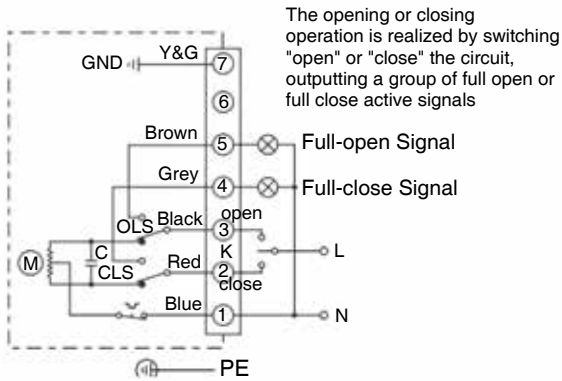
Actuator Type	Butterfly Valve (≤PN1.0MPa)	Ball Valve (≤PN1.6MPa)	Vent Valve (≤PN0.1MPa)
JFEE-Ex05	2" ~ 2-1/2"	1-1/2"	2" ~ 3"
JFEE-Ex10	3" ~ 4"	2" ~ 2-1/2"	4" ~ 8"
JFEE-Ex20	5" ~ 6"	3" ~ 4"	10" ~ 12"
JFEE-Ex40	8"	5"	14" ~ 18"
JFEE-Ex60	10"	6"	20" ~ 24"

Note: The electric actuator and valve data listed in the table above is for reference only. The actual data will be based on the torque values provided by customer.

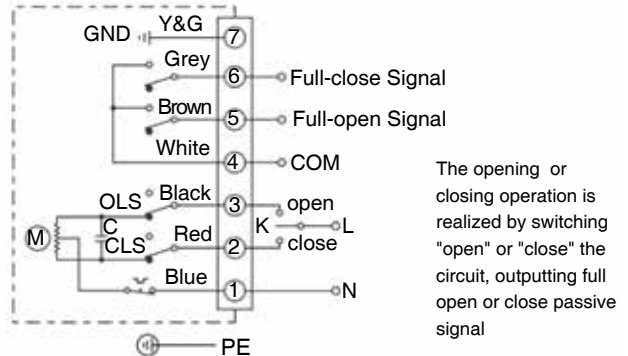
Due to many categories of valves, the torque values are different from each other. Even if the same type of specifications are given, there could be some differences in structural form and quality of material of valves. Opening torques for valves can change greatly based of the differences of media type, site conditions, working conditions, and pressure fluctuation. In order to ensure the actuator works correctly and reliably, it is necessary to have enough allowance in selection. It is suggested to have 1.1 ~ 1.3 allowance factor which is: output torque/torque of valve tested with pressure $\geq 1.1 \sim 1.3$ times.

JFEE Series Anti-Explosion Electric Actuator

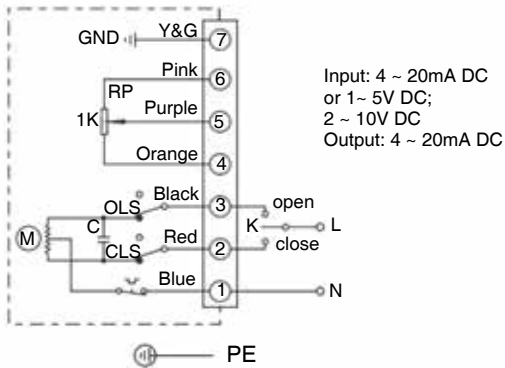
Type A: With Limit Switch (Active Contact)



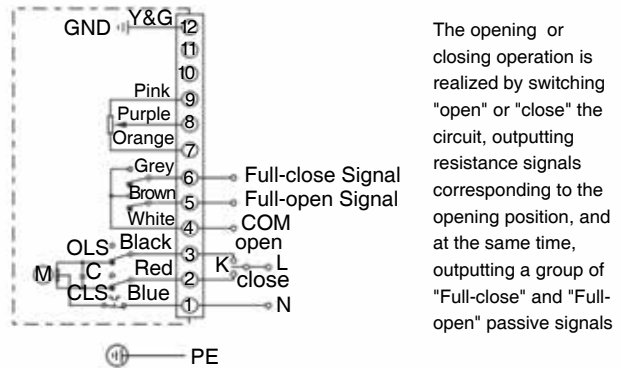
Type B: With Middle Switch (Passive Contact)



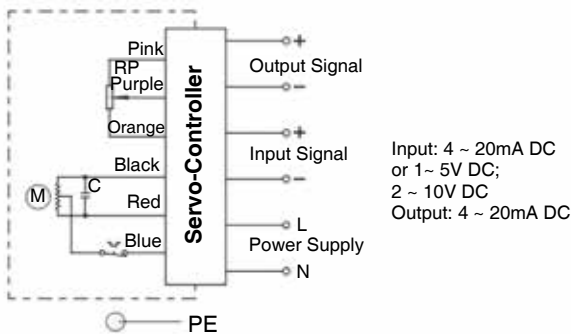
Type C: With 1KΩ (or 500Ω) Potentiometer



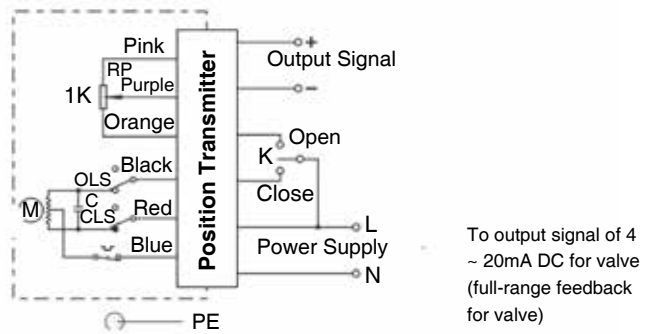
Type D: Position Switch w/Potentiometer & Passive Contact



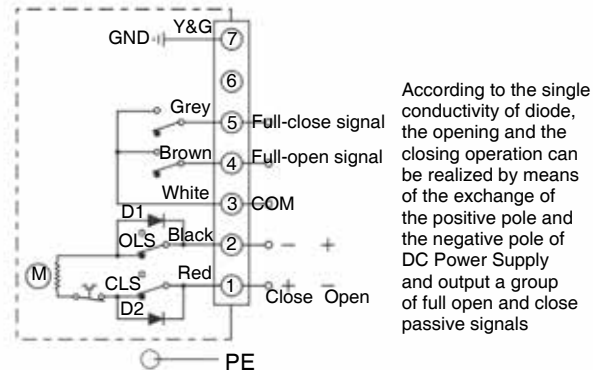
Type E: With Servo Controller (Adjusting Type)



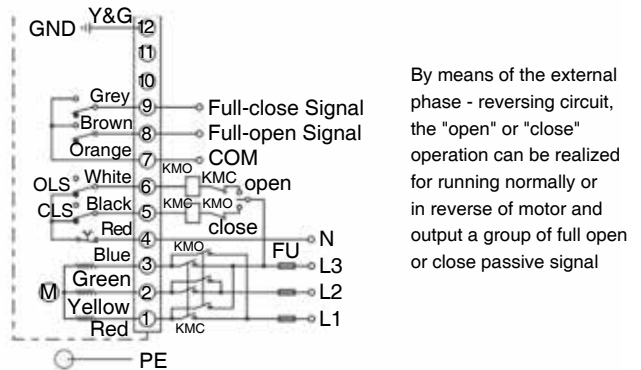
Type F: With Position Transmitter



Type G: DC Control Circuit w/Passive Contact Switch



Type H: 3-phase AC Control Circuit w/Passive Contact Switch



JFEE Series Anti-Explosion Electric Actuator

Dimensions & Performance Parameters JFEE-Ex05

Performance Parameters	Type	JFEE - Ex05				
	Power	DC24V	AC24V	AC110V	AC380V	AC220V
Motor Power		13W	10W	10W	6W	10W
Rated Current		1.82A	1.50A	0.24A	0.07A	0.15A
Standard Time/Torque		20S/37 ft/lbs				
Optional Time/Torque		4S/14 ft/lbs	10S/22 ft/lbs	4S/14 ft/lbs 10S/22 ft/lbs 60S/36 ft/lbs		
Turning Angle		0 ~ 360° Adjustable				
Available Control Circuit		Types of A, B, C, D, E, F, G, H				
Total Weight		6.6 lbs				
Insulating Resistance		DC24/AC24V	100MΩ/250VDC	AC110V/AC220V/AC380V 100MΩ/500VDC		
Withstand Voltage Class		DC24/AC24V	500VAC 1 minute,	AC110V/AC220V: 1500VAC 1 minute, AC380V: 1800VAC 1 minute		
Protection Class		IP67				
Explosive-proof grade		Exd II BT4Gb				
Installation Angle		360° at any angle				
Electric Interface		2-M20x1.5 explosion-proof plug, clients should install corresponding explosion-proof cable connector when using according to the cable selected				
Ambient Temperature		-4°F ~ 140°F				
Optional Function		Heater for eliminating moisture				

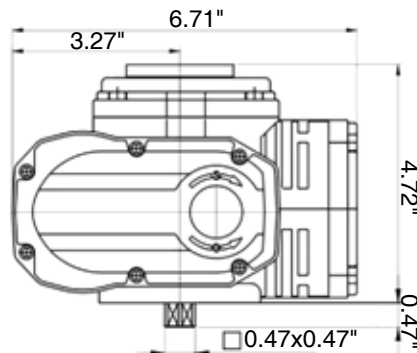
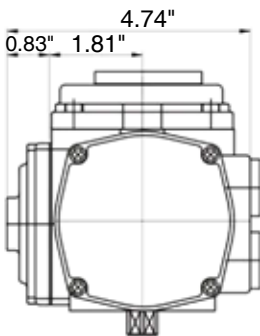


Explosion-proof standard type

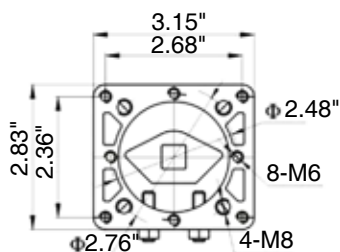
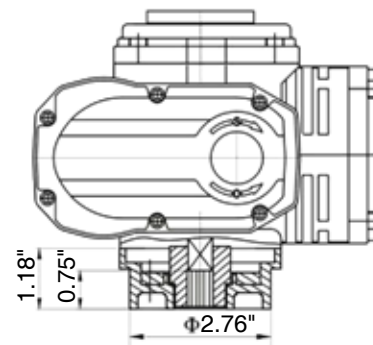


Explosion-proof direct installation type

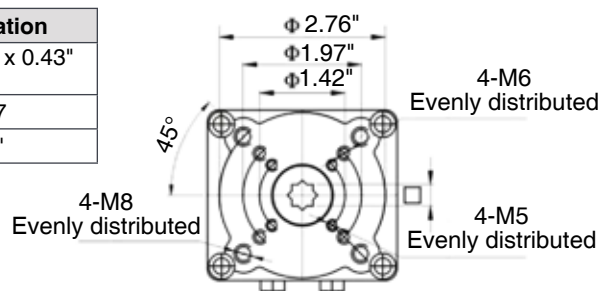
Explosion-proof standard type



Explosion-proof direct installation type



Parameters for direct installation	
Square	□0.35" x 0.35" □0.43" x 0.43" □0.55" x 0.55"
Flange	F03 F05 F07
Valve stem	Height ≤ 0.75"

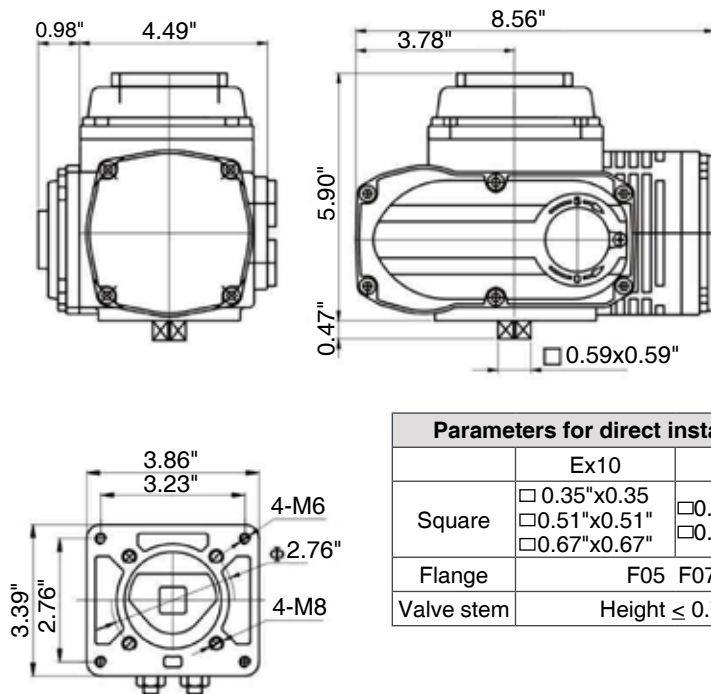


JFEE Series Anti-Explosion Electric Actuator

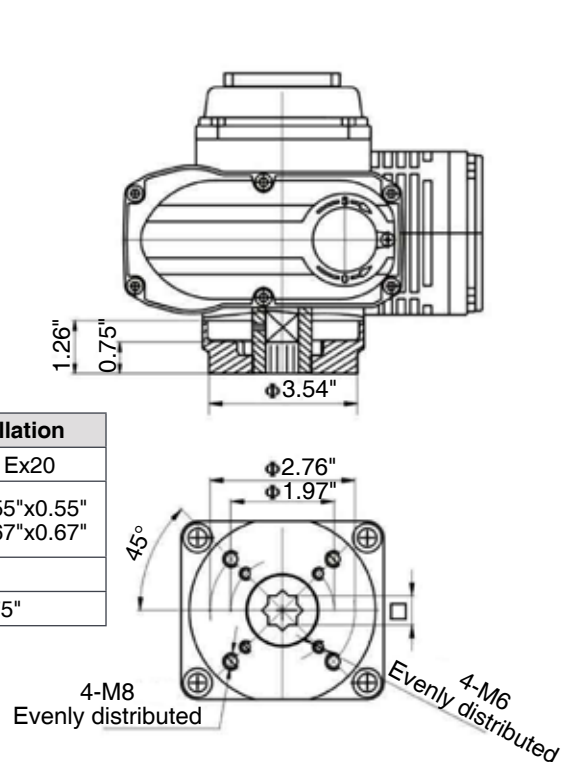
Dimensions & Performance Parameters JFEE-Ex10/20

Type Performance Parameters	JFEE - Ex10					JFEE - Ex20			
	DC24V	AC24V	AC110V	AC380V	AC220V	DC24V	AC110V	AC380V	AC220V
Motor Power	25W	25W	25W	15W	25W	25W	40W	30W	40W
Rated Current	2.20A	2.12A	0.57A	0.10A	0.30A	3.12A	0.63A	0.19A	0.35A
Standard Time/Torque	30S/37 ft/lbs					60S/147 ft/lbs	30S/147 ft/lbs		
Optional Time/Torque	15S/37 ft/lbs				15S/37 ft/lbs 60S/74 ft/lbs	30S/74 ft/lbs	15S/74 ft/lbs		15S/74 ft/lbs 60S/147 ft/lbs
Turning Angle	0 ~ 90° Adjustable								
Available Control Circuit	Types of A, B, C, D, E, F, G, H								
Total Weight	11 lbs					12 lbs			
Insulating Resistance	DC24V/AC24V 100MΩ/250VDC AC110V/AC220V/AC380V 100MΩ/500VDC								
Withstand Voltage Class	DC24V/AC24V 500VAC 1 minute, AC110V/AC220V: 1500VAC 1 minute, AC380V: 1800VAC 1 minute								
Protection Class	IP67								
Explosive-proof grade	Exd II BT4Gb								
Installation Angle	360° at any angle								
Electric Interface	2-M20x1.5 explosion-proof plug, clients should install corresponding explosion-proof cable connector when using according to the cable selected								
Ambient Temperature	-4°F ~ 140°F								
Optional Function	Over-torque Protector, Heater for eliminating moisture								

Explosion-proof standard type



Explosion-proof direct installation type



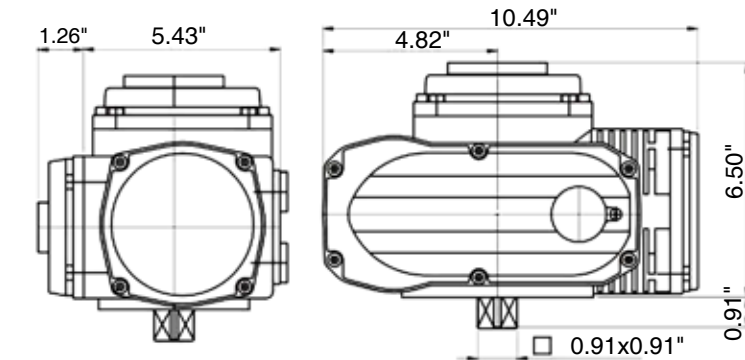
Parameters for direct installation		
	Ex10	Ex20
Square	□ 0.35"x0.35" □ 0.51"x0.51" □ 0.67"x0.67"	□ 0.55"x0.55" □ 0.67"x0.67"
Flange	F05 F07	
Valve stem	Height ≤ 0.75"	

JFEE Series Anti-Explosion Electric Actuator

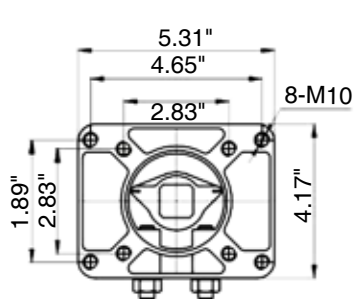
Dimensions & Performance Parameters JFEE-Ex40/60

Type Power Performance Parameters	JFEE - Ex40				JFEE - Ex60			
	DC24V	AC110V	AC380V	AC220V	DC24V	AC110V	AC380V	AC220V
Motor Power	70W	90W	40W	90W	70W	90W	40W	90W
Rated Current	7.80A	1.12A	0.29A	0.64A	8.00A	1.18A	0.29A	0.67A
Standard Time/Torque	30S/37 ft/lbs				45S/442 ft/lbs			
Optional Time/Torque	30S/147 ft/lbs			15S/147 ft/lbs 60S/295 ft/lbs				
Turning Angle	0 ~ 90° Adjustable							
Available Control Circuit	Types of A, B, C, D, E, F, G, H							
Total Weight	21 lbs				22 lbs			
Insulating Resistance	DC24/AC24V 100MΩ/250VDC AC110V/AC220V/AC380V 100MΩ/500VDC							
Withstand Voltage Class	DC24/AC24V 500VAC 1 minute, AC110V/AC220V: 1500VAC 1 minute, AC380V: 1800VAC 1 minute							
Protection Class	IP67							
Explosive-proof grade	Exd II BT4Gb							
Installation Angle	360° at any angle							
Electric Interface	2-M20x1.5 explosion-proof plug, clients should install corresponding explosion-proof cable connector when using according to the cable selected							
Ambient Temperature	-4°F ~ 140°F							
Optional Function	Over-torque Protector, Heater for eliminating moisture							

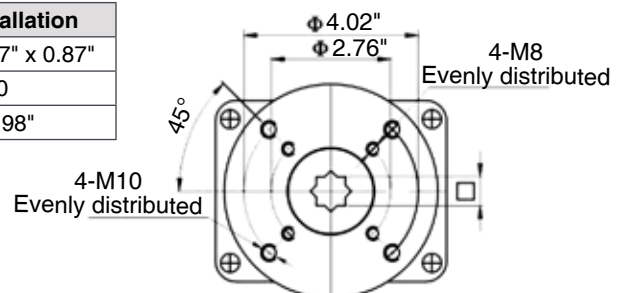
Explosion-proof standard type



Explosion-proof direct installation type



Parameters for direct installation	
Square	□0.67" x 0.67" 0.87" x 0.87"
Flange	F07 F10
Valve stem	Height ≤ 0.98"



JFEE Series Anti-Explosion Electric Actuator

Performance Parameters on Anti-explosion Adjusting (Type E)

Performance Parameters	Type	JFEE - Ex05E	JFEE-Ex10E	JFE-Ex20E	JFE-Ex40E	JFE-Ex60E
	Power	AC110V/AC220V				
Output Torque		37 ft/lbs	74 ft/lbs	148 ft/lbs	295 ft/lbs	443 ft/lbs
Acting Time		20S	30S	30S	30S	45S
Turning Angle		0~90°	0~90°	0~90°	0~90°	0~90°
Motor Power		10W	25W	40W	90W	90W
Rated Current		0.24/0.15A	0.57/0.30A	0.63/0.35A	1.12/0.64A	1.18/0.67A
Total Weight		7 lbs	11 lbs	12 lbs	21 lbs	22 lbs
Input Signal	4 ~ 20mADC, 1~5VDC, 2~10 VDC					
Output Signal	4~20mADC					
Basic Error	not more than ± 1%					
Reciprocating Error	No more than 1%					
Dead Space	0.5% - 5.0% adjustable					
Damping Characteristic	0 times					
Repeating Error in Actuator	≤1%					
Insulating Resistance	100mΩ/5000VDC					
Withstand Voltage Class	1500VAC 1 minute					
Protection Class	IP67					
Explosion-proof grade	Exd II BT4Gb					
Installation Angle	360° at any angle					
Electric Interface	2-M20x1.5 explosion-proof plug, clients should install corresponding explosion-proof cable connector when using according to the cable selected					
Ambient Temperature	-4°F ~ 140°F					
Optional Function	Over-torque Protector, Dehumidify Heater, Passive contact switch					
Remark	Any other input or output signal needed, please specify in purchase order					



Anti-explosion
Electric Control Valve



Anti-explosion
Electrically Actuated
Butterfly Valve

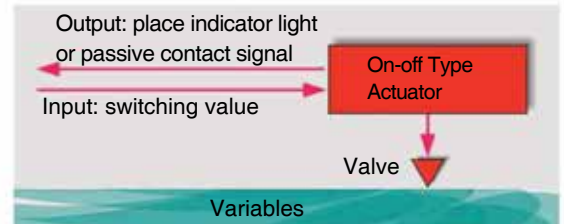
Equipment & Function

On-off Type Actuator

Control circuit of Type A, B, D, G, H

On-off type has only Full-open and Full-close limit positions. You can preset middle position (type B, D, G, H) if needed. Actuator will drive valve to Full-open or Full-close or middle position, etc. when receiving proper command.

Adopt the S2 short-time duty, the time of continuous operate less than 15 minutes.

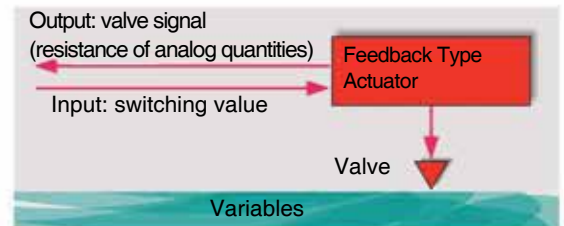


Feedback Type Actuator

Control circuit of Type C, D, F

During the actuator drives valve, it will full-range feedback valve signal to Central Control System at the same time, type C, D feedbacks valve signal of resistance quantity, type F feedbacks valve signal of analog quantity.

Adopt the S2 short-time duty, the time of continuous operate less than 15 minutes.

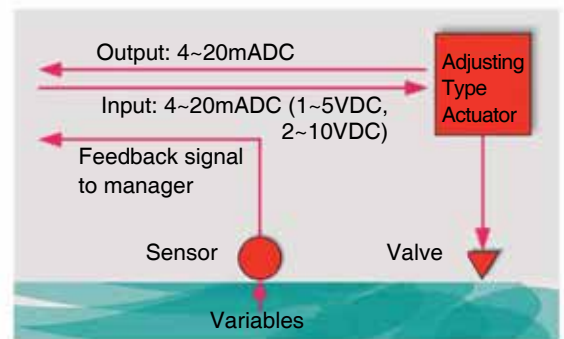


Adjusting Type Actuator

Control Circuit of Type E

The Servo-Controller is located inside of the actuator. It receives command of the Central Control System and drives valve to proper opening Position according to varying conditions of Variables (Flow, Pressure, Temperature, Fluid Level) in the pipe.

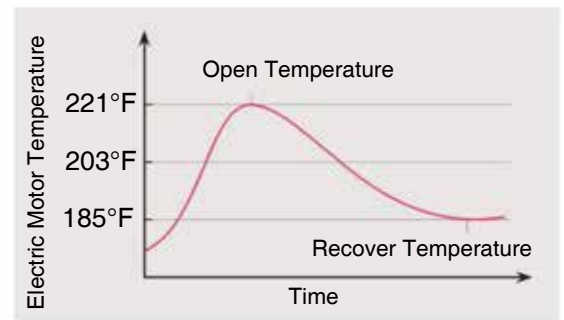
Adopt character of service of S4 Intermittent Type, working frequency reaches 1200 times/hour.



Electric Motor

Electric motors of JFEE Series electric actuator have some particular designs. Electric motor of actuator has higher starting torque. This is due to the working characteristic of valve; the actuator is required to have full-load starting ability at the opening, closing and any other intermediate positions. At the same time, electric motor of actuator has less rotation inertia because of the need for adjustment of the flow (opening range).

Actuator stilled causes a rapid rise in temperature of the motor. For protecting electric motor and control system, PTC overheating protector located in electric motor winding will switch off the circuit when the temperature up to 221°F, the circuit will recover through when temperature drops to 176°F ~ 194°F.



Equipment & Function

Servo Controller

The unique circuit design, imported technical grade electronic parts and components and modern technology of the circuit board for the JFEE Series ensures high quality and reliability of the Servo-Controller. The circuit board with resin plastic packaging makes shock and humidity resistance better. The unique electronic brake function makes the actuator dead-beat when position is fixed, the period of damping character is zero times (Standard: less than 3.5 times).



Micro Regulation Device of Electric Limit Stroke

It is very easy to adjust open-direction and close-direction electric limit strokes of actuator with a hexagon spanner because of unique patent technology of the JFEE Series. The unique micro regulation function makes adjustment of electric limit stroke more precise.

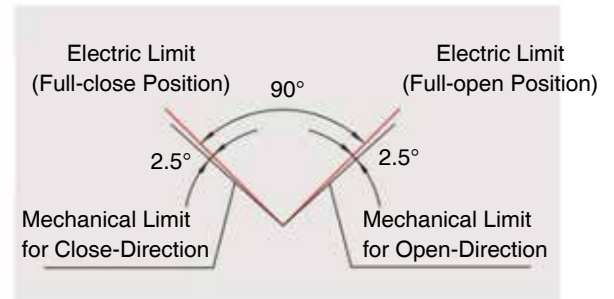


Electric & Mechanical Limit Function

The function of the electric limit: The electric limit switch located inside the actuator will switch off the circuit to protect actuator when actuator reaches Full-open and Full-close limit positions or any given position between them.

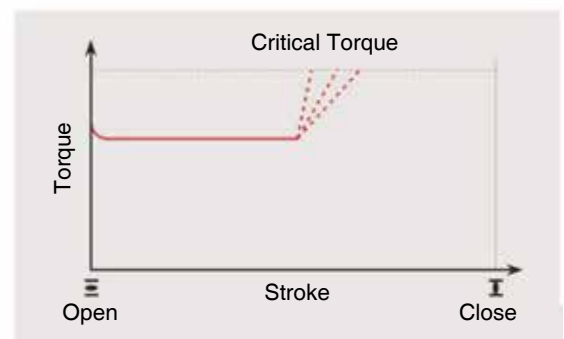
Mechanical limit function of output shaft: when the electric limit function is out of work, the output shaft of actuator will be locked in by mechanical limit device to protect valve from damage.

The graphical representation is position relation of electric limit and mechanical limit.



Over-Torque Protection Function (optional)

When valve is stuck in the working position because of impurity and foreign matters in the pipe or other causes, the output torque of the actuator will rise rapidly to a critical valve (preset), the torque switch will switch off the circuit to protect valve and actuator from damage.





Certificate of Compliance

Certificate: 80118462

Master Contract: 603889

Project: 80118462

Date Issued: 2022-04-25

Issued To: J Flow Controls
4665 Interstate Drive
Cincinnati, Ohio 45246
United States

Attention: Steve Hacker

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Morton Ma
Issued by: Morton Ma



PRODUCTS

CLASS - C322802 - VALVES Actuators - For Hazardous Locations

CLASS - C322882 - VALVES Actuators - For Hazardous Locations-Certified to U.S. Standards

Class I, Division 1, Groups C and D T5/T6

Ex db IIC T5/T6 Gb

Class I, Zone 1, AEx db IIC T5/T6 Gb

APPLICABLE REQUIREMENTS

JFEE series explosion-proof actuator with Temp. Code is T5/T6, -13°F - +131°F/+122°F (-25°C ≤ Tamb ≤ 55°C/50°C), Motorized, Part-turn 90 Deg, General purpose, 6000 cycles, enclosure TYPE 4X for indoor and outdoor.



Certificate: 80118462
Project: 80118462

Master Contract: 603889
Date Issued: 2022-04-25

The rating as below:

Series	Models	Vol. [V]	Fre. [Hz]	Rat. Torque [N-m]	Duty cycle
JFEE Series	JFEE-005-20V1-B	110 VAC	50/60	50	70%
	JFEE-005-20V7-B	24 VAC	50/60		70%
	JFEE-005-20V6-B	220 VAC	50/60		70%
	JFEE-005-20V1-EMT	110 VAC	50/60		70%
	JFEE-005-20V6-EMT	220 VAC	50/60		70%
	JFEE-005-20V2-G	24 VDC	--		70%
	JFEE-005-20V2-GMT	24 VDC	--		70%
	JFEE-010-30V1-B	110 VAC	50/60		100
	JFEE-010-30V7-B	24 VAC	50/60	70%	
	JFEE-010-30V6-B	220 VAC	50/60	70%	
	JFEE-010-30V1-EMT	110 VAC	50/60	70%	
	JFEE-010-30V6-EMT	220 VAC	50/60	70%	
	JFEE-010-30V2-G	24 VDC	--	70%	
	JFEE-010-30V2-GMT	24 VDC	--	70%	
	JFEE-020-30V1-B	110 VAC	50/60	200	
	JFEE-020-30V6-B	220 VAC	50/60		70%
	JFEE-020-30V1-EMT	110 VAC	50/60		70%
	JFEE-020-30V6-EMT	220 VAC	50/60		70%
	JFEE-020-30V2-G	24 VDC	--		70%
	JFEE-020-30V2-GMT	24 VDC	--		70%
	JFEE-040-30V1-B	110 VAC	50/60	400	70%
	JFEE-040-30V6-B	220 VAC	50/60		70%
	JFEE-040-30V1-EMT	110 VAC	50/60		70%
	JFEE-040-30V6-EMT	220 VAC	50/60		70%
JFEE-040-30V2-G	24 VDC	--	70%		
JFEE-040-30V2-GMT	24 VDC	--	70%		
JFEE-060-45V1-B	110 VAC	50/60	600	70%	
JFEE-060-45V6-B	220 VAC	50/60		70%	
JFEE-060-45V1-EMT	110 VAC	50/60		70%	
JFEE-060-45V6-EMT	220 VAC	50/60		70%	

CONDITIONS OF ACCEPTABILITY:

1. The cable entry point or branching point is higher than 60°C, the end user shall follow user manual and select the properly cable, cable gland or conductors in conduit.
2. The minimum yield strength and minimum tensile strength of special fastener are 450MPa and 700MPa.
3. The maximum load allowed is 50Nm(JFEE-005 series), 100Nm(JFEE-010 series), 200Nm(JFEE-020 series), 400Nm(JFEE-040 series) or 600Nm(JFEE-060 series).
4. The lens fixed plate cannot be loosed or removed any time.



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5. When the products are intended to be installed in the hazardous locations classified according to division rules, the TSE3854DS-W potted compound cannot be used to an atmosphere containing Acetic Acid (Glacial) saturated vapors, and the WCC-87 potted compound cannot be used to an atmosphere containing saturated vapors as below: Acetic Acid (Glacial), Acetone, Ammonium Hydroxide (20% by weight), ASTM reference fuel C, Diethyl Ether, Ethyl Acetate, Ethylene Dichloride, Furfural, n-Hexane, Methyl Ethyl Ketone, Methanol, 2-Nitropropane and Toluene.
6. Temperature code depends on ambient temperature as follows:

Type	T-code	Ambient Temperature
JFEE series explosion-proof actuator	T5	-13°F - +131°F (-25°C - +55°C)
	T6	-13°F - +122°F (-25°C - +50°C)

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 30-M1986 (Reaffirmed 2016)	Explosion-proof enclosures for use in class I hazardous locations
CAN/CSA C22.2 No. 145-11 (Reaffirmed 2015)	Electric Motors and Generators for Use in Hazardous (Classified) Locations
CSA C22.2 No. 139-13	Electrically Operated Valves
CSA C22.2 No.60079-0-2019	Explosive atmospheres – Part 0: Equipment – General requirements
CSA C22.2 No.60079-1-2016	Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d”
UL 674 Fifth Edition	Electric Motors and Generators for Use in Hazardous (Classified) Locations
UL 1203-2013	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
UL 60079-0:2020	Explosive atmospheres – Part 0: Equipment – General requirements
UL 60079-1:2020	Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d”
UL 429 (Seventh Edition)	Electrically Operated Valves

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.



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The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

- Manufacturer's name: " J Flow Controls", or CSA Master Contract Number "603889", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model number: As specified in the PRODUCTS section, above.
- Hazardous Locations Designation: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serials number, traceable to year and month of manufacture.
- The CSA Mark, with or without the "C" and "US" indicators, as shown on the Certificate of Conformity.
- Temperature code rating: T5/T6
- Ambient temperature range: -13°F - +131°F/122°F (-25°C - +55°C/50°C)
- Complete electrical rating: As specified in the PRODUCTS section, above.
- Enclosure Type: TYPE 4X
- Rated load: 50Nm/100Nm/200Nm/400Nm/600Nm
- Warning:
 - WARNING - TO PREVENT IGNITION OF FLAMMABLE GASES, VAPORS OR DUST, DO NOT REMOVE COVER WHILE CIRCUITS ARE LIVE
 - AVERTISSEMENT - POUR ÉVITER L'INFLAMMATION DES GAZ INFLAMMABLES, DE VAPEURS OU DE POUSSIÈRE, NE PAS RETIRER LE COUVERCLE PENDANT QUE LE CIRCUIT EST SOUS TENSION
 - WARNING - A SEAL SHALL BE INSTALLED WITHIN 500 MM OF THE ENCLOSURE
 - AVERTISSEMENT - UN SCÈLEMENT DOIT ÊTRE INSTALLÉ À MOINS DE 500 MM DU BOÎTIER

Notes:

Products certified under Class C322802, C322882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

