

PACIFIC SOLUTIONS INTERNATIONAL S.R.L.



Bray

WWW.BRAY.COM



MERCADOS



Oil & Gas



Minería



Energía



PORTAFOLO GENERAL DE PRODUCTOS



WWW.BRAY.COM



Double Offset High Performance Butterfly Valves

Bray CONTROLS



BRAY/McCANNALOK
High Pressure & Temperature

Flow-Tek

Ball Valves

Subsidiary of BRAY INTERNATIONAL, Inc.

SERIES F15/F30





VALVULAS DE MARIPOSA

Accessories

Bray CONTROLS



SERIES 50 - Valve Status Monitors

- 10 amps at 125 or 250 volts AC
- Internal travel switches that are prewired to a terminal block



SERIES 52 - Valve Status Monitors

- ProxSensor provides 2 proximity sensors in one fully sealed, compact enclosure
- AC, DC, Intrinsically Safe and BUS Network versions are offered



SERIES 63 - 3 & 4 way Solenoids

- Waterproof (NEMA 4,4X) and explosion proof (NEMA 7,9) housings are standard
- NPT and IP65 DIN connections are offered with both single and dual coils



SERIES 6A

Electro-Pneumatic Positioners

- Precise, microprocessor driven flow control and advanced communication
- For use with either double or single acting actuators



Serial Bus

Communication

- Bray offers several products featuring serial bus communication
- Multiple protocols available. Consult your local Bray representative

LIMIT SWITCHES / SOLENOIDES



ACTUADORES NEUMATICOS

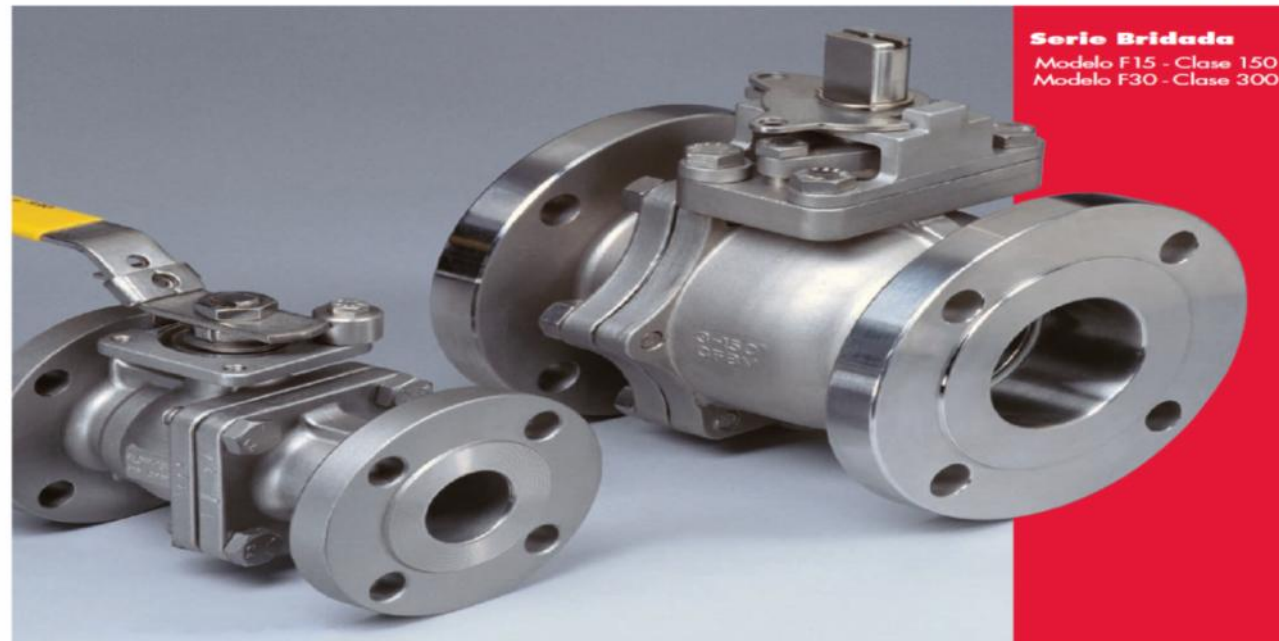


ACTUADORES ELECTRCOS



FlowTek
Una subsidiaria de BRAY INTERNATIONAL, Inc.

Válvulas de Bola Bridadas de Puerto
Completo de 2 Piezas: 1/2 in (1,27 cm) - 12 in (30,48 cm)
ASME Clase 150 & Clase 300



Serie Bridada
Modelo F15 - Clase 150
Modelo F30 - Clase 300



Bray / VAAS



940

950

740

745

752

760

VALVULAS DE CUCHILLA

Check Valves

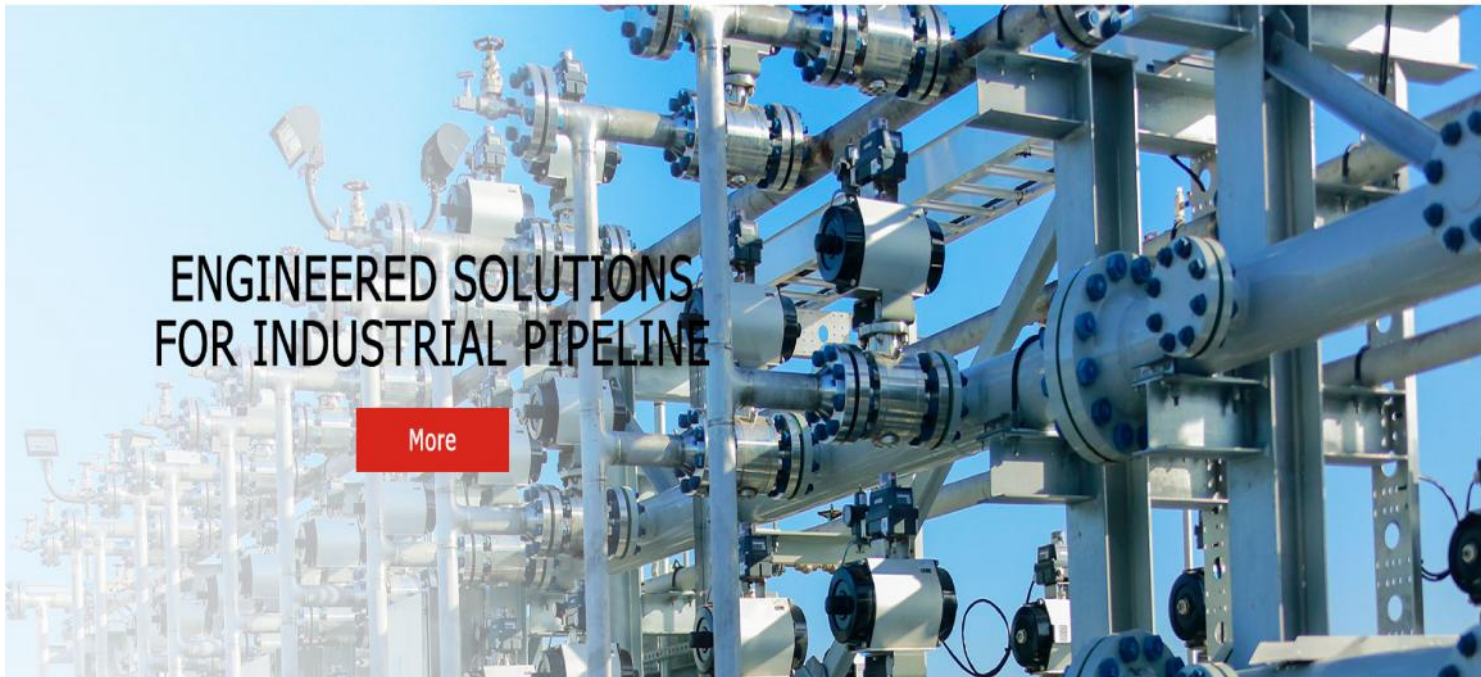


Rite Corporation
Subsidiary of Bray International, Inc.

ASME Class 125 – 2500
1" (25mm) – 60" (1500mm)



VALULAS CHECK



ENGINEERED SOLUTIONS
FOR INDUSTRIAL PIPELINE

More

VALVULAS PARA PROCESOS INDUSTRIALES



ENGINEERED SOLUTIONS
FOR INDUSTRIAL PIPELINE

More

VALVULAS PARA PROYECTOS

VALVULAS DE CONTROL DE FLUIDOS



OpGL™ Globe Control Valve



OpEXL™ Eccentric Plug Valve

VALVULAS DE CONTROL DE FLUIDOS



OpTE™ Triple Eccentric Butterfly Valve



OpVEE™ V-Notch Valve



OpDX™ Butterfly Control Valve

Actuadores Eléctricos Spring Return Falla Segura

Spring Return Fail-safe Electric Actuators



Product Overview

S series spring return fail-safe electric actuators cover a torque range from 80 N·m to 200 N·m (445 in·lb to 2000 in·lb). This series in addition to its normal function (floating control, On/Off control and modulating control) is designed for fail-safe positioning of valves and clamps upon loss of supply voltage. A mechanical spring set is utilized to position the controlled device to either the fully OPEN or fully CLOSED position without any external power source. For On/Off type actuator, a mechanical STOPPER is employed at the end of the spring stroke in order to reduce the dynamic effects of the spring return system. Manual override is optional for manual positioning of the controlled device.

Product Features

- Controls : On/Off, floating (optional), modulating (optional).
- Manual override (optional).
- Dry-powder coated aluminum alloy enclosure conforms to ISO, NEMA 4X, 5 & IP67 outdoor use.
- ISO 5211 mounting flange.
- Domed position indicator.
- Built-in motor thermal protection.

Standard Specification

Model	Torque		Nominal Motor Power Watt	Weight				Mounting Base				
	N·m	in·lb		Standard		W/ Manual Override		Flange Type	Shaft		Depth of Shaft	
				kg	lb	kg	lb		mm	inch	mm	inch
S-800	80	445	80	25.5	56	26.5	60	F07	17	0.590	30	1.181
S-1200	100	1130	120	27.5	122	27.5	122	F10	22	0.866	41	1.614
S-2000	200	1770	130	93	204	133	292	F12	27	1.063	45	1.772
S-2000	200	2000	130	93	204	133	292	F12	27	1.063	45	1.772

* Motor power is based on 115WAC @60Hz, 50% duty cycle, On/Off control.

Actuadores Eléctricos Spring Return Explosion Proof

Explosion-proof Enclosure

SE series explosion-proof spring return fail-safe actuator is structured as flameproof and combustible dust-proof. It is a control device for valves or dampers and can be used in the places, where is classified as Zone 1 or Zone 2, combined Group IIA and Group IIB gases, Zone 21 or Zone 22, contained the combustible dust atmosphere or the mixture circumstance with the explosive gas atmosphere and the combustible dust atmosphere. Temperature group T1 to T4.



with manual override without manual override

ATEX Certification

Directive	Group	Ambient Temperature
ATEX II 2 ED	Ex ib IIC T4 Db	+50°C to +70°C (+122°F to +158°F)
ATEX II 2 GD	Ex ib IIC T130°C Dc	-50°C to +70°C (-58°F to +158°F)

IECEx International Certification

Group	Ambient Temperature
Ex ib IIC T4 Db	+50°C to +70°C (+122°F to +158°F)
Ex ib IIC T130°C Dc	-50°C to +70°C (-58°F to +158°F)

CSA Hazardous Area Certification

System	Group	Ambient Temperature
Zone	Ex ib IIC T4 Db Class I, Zone 1, Area 0, Ex ib IIC T4 Db Ex ib IIC T130°C Dc Zone 21, Area 0, Ex ib IIC T130°C Dc	+50°C to +70°C (+122°F to +158°F)
Division	Class I, Division 1, Groups C, D T4 Class I, Division 1, Groups E, F, G T130°C	-50°C to +70°C (-58°F to +158°F)

Actuadores Eléctricos Lineales

Linear Electric Actuators



Product Overview

L series linear electric actuators provide thrust ranges from 250 to 2,000 kgf (550 to 4410 lbf). All models are equipped with modulating controllers and are suitable for globe valves, gate valves and linear travel devices. They can be applied to HVAC and industrial processes, especially for steam and high temperature applications.

Product Features

- Self-locking drive system.
- DC motor equipped.
- External stem position indicator.
- Low power consumption.
- Dry-powder coated aluminum alloy enclosure conforms to CO, NEMA 4X, D & IP67 outdoor use.
- Manual operation can be applied in case of power outage.
- Built-in motor thermal protection.

Standard Specification

Model	Thrust			Weight		Nominal Motor Power	Flange Type	Max. Stroke	
	kgf	lbf	N	kg	lb	Watt	ISO 5210	mm	Inch
L-250	250	550	2450	9.5	21	15	F07	50	2
L-500	500	1100	4900	9.5	21	15	F07	50	2
L-1000	1000	2200	9800	31	68	25	F10	100	4
L-2000	2000	4410	19615	31	68	25	F10	100	4

* Motor power is based on 115VAC @60Hz.

Actuadores Eléctricos Lineales Explosion Proof

Explosion-proof Enclosure

LE series explosion-proof linear actuator is structured as flame-proof and combustible dust-proof. It is a control device for valves and can be used in the places, where is classified as Zone 1 or Zone 2, contained Group IIA and Group IIB gases, Zone 21 or Zone 22, contained the combustible dust atmosphere or the residue circumstance with the explosive gas atmospheres and the combustible dust atmospheres. Temperature group T1 to T4.



ATEX Certification

Directive	Group	Ambient Temperature
ATEX II 2 GD	Ex db IIB T4 Gb	-30°C to +70°C (-22°F to +158°F)
ATEX II 2 GD	Ex tb IIC T130°C Db	-30°C to +70°C (-22°F to +158°F)

IECEX International Certification

Group	Ambient Temperature
Ex db IIB T4 Gb	-30°C to +70°C (-22°F to +158°F)
Ex tb IIC T130°C Db	-30°C to +70°C (-22°F to +158°F)

ACTUADORES DE CUARTO DE VUELTA PARA VALVULAS DE PROCESOS INDUSTRIALES

Quarter Turn Electric Actuators



Product Features

- Self-locking gear system.
- Dry-powder coated aluminum alloy enclosure conforms to CE, NEMA-4X, 5 & IP67 outdoor use.
- ISO 5211 mounting flange.
- Mechanical stops.
- Damaged position indicator.
- Built-in motor thermal protection.

Product Overview

QAM & T series quarterturn electric actuators provide torque ranges from 6 N-m to 4,500 N-m (55 in-lb to 40,000 in-lb). All models are equipped with a visual position indicator, except T40 and T-15. The key feature of actuator is its non-clutch design, the manual operation (except BM-5 and CM-A) can be operated without brake and clutch upon power cut. This could increase the mechanical reliability.

Standard Specification

Model	Torque		Weight		Nominal Motor Power	Speed	Manual Operation	Flange Type
	N-m	in-lb	kg	lb	Watt	(rpm) (RPM)		
T40	6	53	0.5	1.1	6	6		ISO 5211
T-15	15	130	1.5	3.3	5	15	Lever	ISO 5211
QAM-1	55	490	2	4.4	10	10		ISO 5211
QAM-2	60	530	2	4.4	10	27	N/A	ISO 5211
QAM-3	80	710	3	6.6	10	27	Lever	ISO 5211
QAM-4	85	755	3	6.6	10	27		ISO 5211
QAM-5	80	710	3	6.6	10	27	Handwheel	ISO 5211
BM-2	100	890	4.5	9.9	40	6	N/A	IP67
QAM-6	100	890	3	6.6	40	6		ISO 5211
QAM-7	100	890	3	6.6	40	24		ISO 5211
QAM-8	300	2665	17	37.5	80	24		ISO 5211
QAM-9	400	3540	23	50.7	80	19		ISO 5211
QAM-10	500	4420	28	61.7	80	24		ISO 5211
QAM-11	850	7550	38	83.8	80	24	Handwheel	ISO 5211
QAM-12	1500	13300	55	121.3	150	20		ISO 5211
QAM-13	1500	13300	55	121.3	150	21		ISO 5211
QAM-14	2000	17710	71	157.3	180	20		ISO 5211
QAM-15	2000	17710	71	157.3	180	20		ISO 5211
QAM-16	3000	26650	102	225.4	180	20		ISO 5211
QAM-17	3500	31000	119	262.5	200	20		ISO 5211
QAM-18	4500	40000	158	348.6	250	20		ISO 5211

* Motor power and speed data are based on 110VAC @60Hz, 30% duty cycle, cooling control.

ACTUADORES ELECTRICOS DE CUARTO DE VUELTA EXPLOSION PROOF

Explosion-proof Enclosure

QME series explosion-proof quarter-turn electric actuator is structured as flame-proof and combustible dust-proof. It is a control device for valves and can be used in the places, where is classified as Zone 1 or Zone 2, contained Group IIA and Group IIB gases, Zone 21 or Zone 22, contained the combustible dust atmosphere or the mixture circumstance with the explosive gas atmosphere and the combustible dust atmosphere. Temperature group T1 to T4.



ATEX Certification

Directive	Group	Ambient Temperature
ATEX ■ 2 GD	Ex db ■■ T4 Gb	-30°C to +70°C (-22°F to +158°F)
ATEX ■ 2 GD	Ex tb ■■C T130°C Db	+0°C to +70°C (32°F to +158°F)

IECEX International Certification

Group	Ambient Temperature
Ex db ■■ T4 Gb	-30°C to +70°C (-22°F to +158°F)
Ex tb ■■C T130°C Db	+0°C to +70°C (32°F to +158°F)

CSA Hazardous Area Certification

System	Group	Ambient Temperature
Zone	Ex db ■■ T4 Gb Class I, Zone 1, AEx db ■■ T4 Gb Ex tb ■■C T130°C Db Zone 21, AEx tb ■■C T130°C Db	-30°C to +70°C (-22°F to +158°F)
Division	Class I, Division 1, Groups C, D T4 Class I, Division 1, Groups E, F, G T130°C	+0°C to +70°C (32°F to +158°F)