NOTES:

WIRING:
 RED = +24VDC
 WHITE = +24VDC (OPEN), 0VDC (CLOSE)
 BLACK = GND

WIRE LENGTH: 18" ±1" FROM HOUSING.
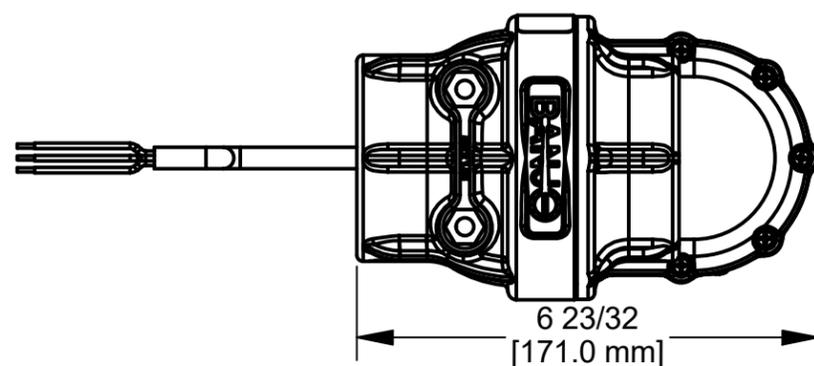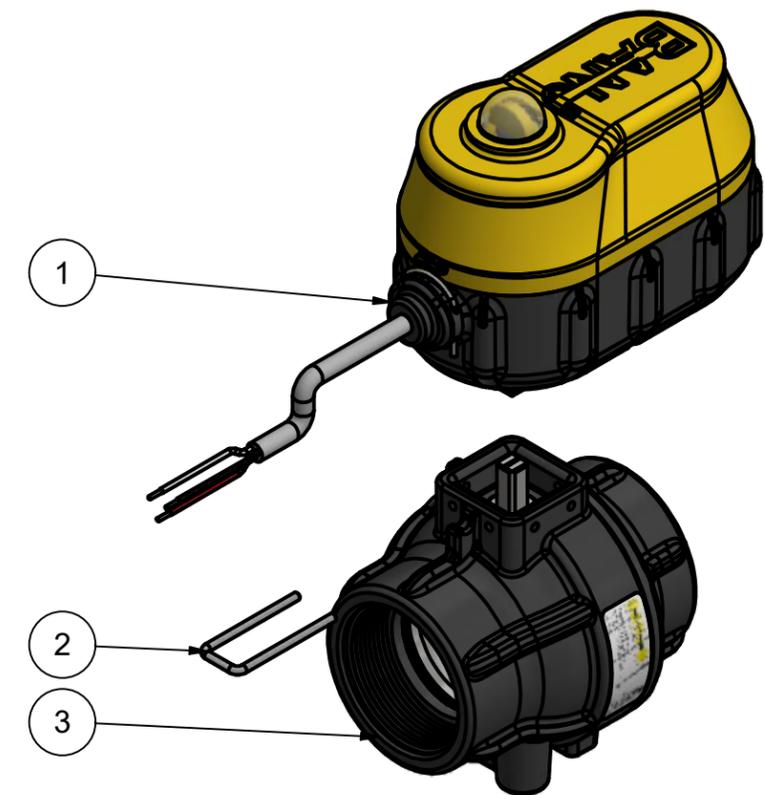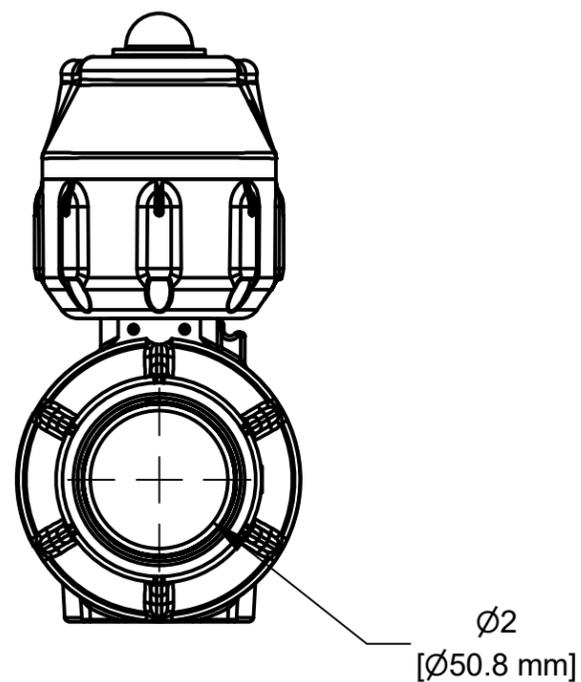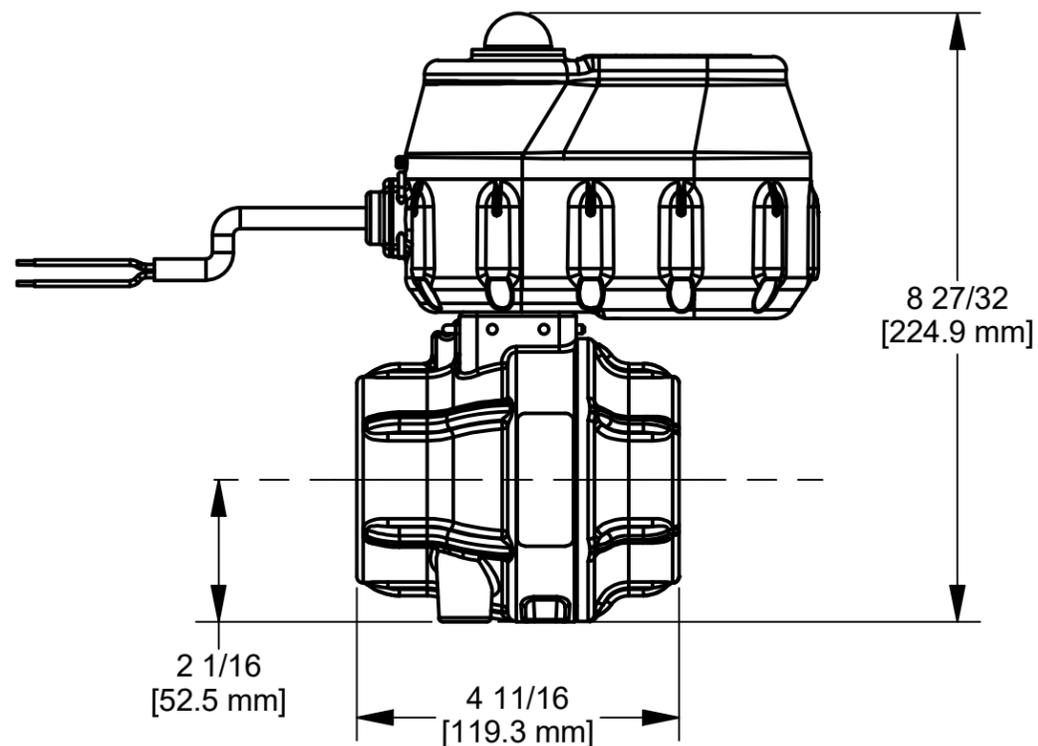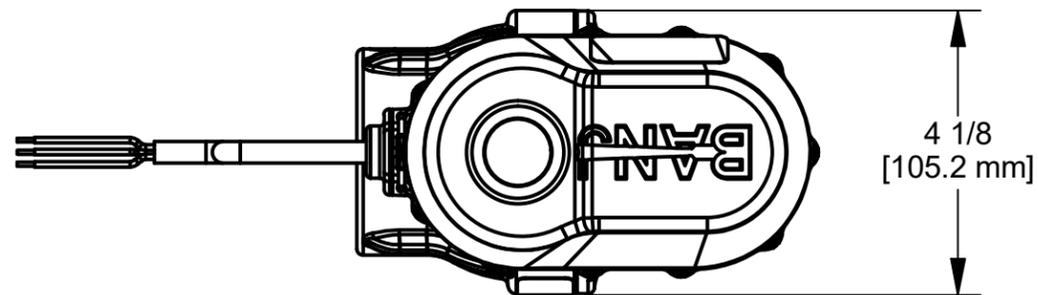
4 1/8
[105.2 mm]

8 27/32
[224.9 mm]

2 1/16
[52.5 mm]

4 11/16
[119.3 mm]

Ø2
[Ø50.8 mm]

6 23/32
[171.0 mm]

DESCRIPTION
EVX 2"FP 1.5S WWC 3W 24V

PART NUMBER
EVX22024

EVX®

ELECTRIC VALVES

BANJO®
Liquid Handling Products

IDEX

SMALLER / SMARTER / TOUGHER

EVX 3"

EVX 2"

EVX 1"

EVX®
INTELLIGENTLY ENGINEERED

ACTUATOR FEATURES
- Solid-state reliability
- 12V DC standard, 24-volt available
- IP68 waterproof
- -20 to 150F (-29 to 65C) operating
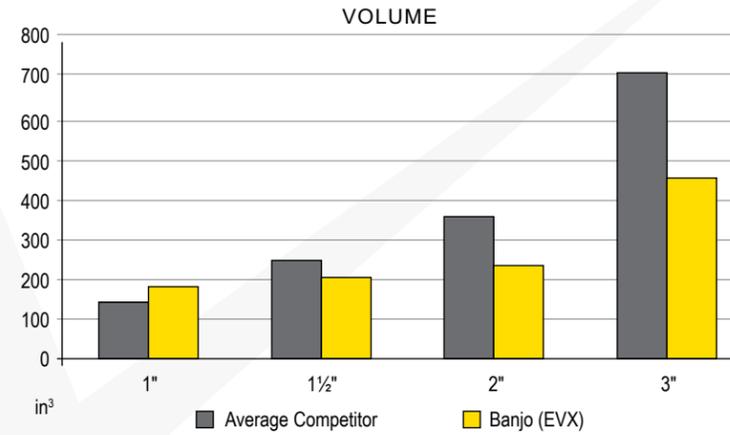- -67 to 221F (-55 to 105C) storage
- Actuator rated to 500,000 cycles
- 100G's shock rating

VALVE FEATURES
- Proprietary polypropylene formulation ensures durability and enables precision tolerances
- Welded construction supports sleek, compact valve design while eliminating a leak point
- Threaded & manifold flange connections
- Bottom-located threaded inserts provide versatile mounting solution
- Banks of 1" & 2" EVX units available
- Open/closed indicator
- Valve rated to 50,000 cycles leak-free
- 316 stainless steel ball, stem, hardware
- Poly ball available
- FKM stem seals
- Replacement valves & handle kits available
- Optional bolted-valves with same dimensions as legacy EV product line

SMALLER

EVX 2" full port and 3" models are **over 35% smaller** than the average competitive valve.

The 1½", 2" full port and 3" models are also **substantially lighter than the average competitive valve.**

VOLUME

in³

■ Average Competitor   ■ Banjo (EVX)

Based on data compiled October 2018 of electric valves used in OEM Sprayers
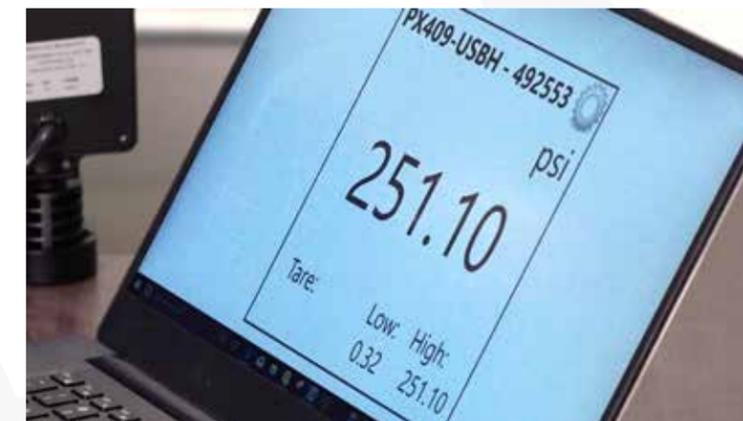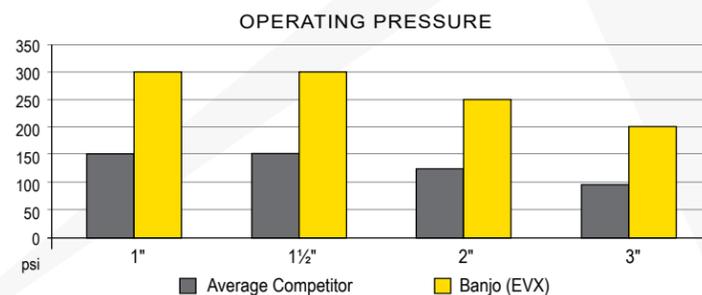
SMARTER

❈ Bluetooth®

EVX offers the latest communication protocol options including CAN/ISO BUS, Pulse-Width-Modulation (PWM), and Bluetooth®* wireless technology. Diagnostic options report voltage, temperature, and cycle count to warn of concerns before they become problems.

LED provides valve performance feedback indicating blue for power and yellow for a fuse blown condition. With the optional open / close verify, the LED indicates green and red, respectively. As an additional option, EVX reports temperature, voltage and cycle count.

TOUGHER

Setting the new standard for electric valve toughness, EVX passes 52 separate durability torture tests including mechanical shock, vibration, extreme temperature, rain /shine, operating pressure, and rigorous longevity tests.

OPERATING PRESSURE

psi

■ Average Competitor   ■ Banjo (EVX)

CONNECT WITH CONFIDENCE™

*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

THE *LATEST ADVANCEMENTS* IN ELECTRIC VALVES ENGINEERED *TO BANJO RELIABILITY STANDARDS.*

EVX MODELS & OPTIONS

EVX STANDARD ON/OFF MODELS

| LEGACY EV 2-WAY PART NUMBER | SIZE | | EVX WELDED VALVES | | EVX BOLTED VALVES | | |
	END PLATE TYPE	PORT SIZE	2-WAY	BOTTOM/SIDE LOAD	2-WAY	BOTTOM LOAD	SIDE LOAD
EV075	¾" NPT	1"	X	X	EVX071	EVX075BL	EVX075SL
EV100FP	1" NPT	1"	EVX100	X	EVX101	EVX100BL	EVX100SL
EV125	1¼" NPT	1"	EVX125	X	EVX121	EVX125BL	EVX125SL
EV150	1½" NPT	1½"	EVX150	X	EVX151	EVX150BL	EVX150SL
EV200	2" NPT	1½"	EVX200	X	EVX201	EVX200BL	EVX200SL
EV204FP	2" NPT	2"	EVX220	X	EVX221	EVX220BL	EVX220SL
EV300FP	3" NPT	3"	EVX300	X	X	EVX300BL	X
MEV100CF	M100	1"	MEVX100	X	MEVX101	MEVX100BL	MEVX100SL
MEV200CF	M200	1½"	MEVX200	X	MEVX201	MEVX200BL	MEVX200SL
MEV220CF	M220	2"	MEVX220	X	MEVX221	MEVX220BL	MEVX220SL
MEV300CF	M300	3"	MEVX300	X	X	MEVX300BL	X

EVX AVAILABLE PROTOCOLS AND SELECT OPTIONS

PROTOCOLS AVAILABLE	DESCRIPTION	OPEN / CLOSE VERIFY **	LEDS POWER/FUSE	OPEN / CLOSE VERIFY LEDS	DIAGNOSTIC SENSORS ***	LINEAR FEEDBACK ****
EVX	ON/OFF WWC *	OPTIONAL	STANDARD	OPTIONAL	X	X
EVXR	4 WIRE REGULATING	X	STANDARD	X	X	X
EVXR2W	2 WIRE REGULATING	X	STANDARD	X	X	X
EVXC	CANBUS	X	STANDARD	STANDARD	OPTIONAL	X
EVXP	PWM	X	STANDARD	STANDARD	OPTIONAL	STANDARD
EVXB	BLUETOOTH®	X	STANDARD	STANDARD	OPTIONAL	X
EVXR 2W F4	2 WIRE REGULATING WITH FEEDBACK ****	CONTACT SALES	STANDARD	X	X	CONTACT SALES

*   WWC: ON/OFF units are actuated via voltage to a "white-wire" called white-wire control (WWC).

** OPEN/CLOSE VERIFY: Open-verify wire (F1), Close-verify wire (F2), or both (F3) are available.

*** Diagnostic sensors available for temperature, cycle count and input voltage.
    Optional sensor feedback via CANBUS protocol and Bluetooth App as well as via flashing LEDs.

****Linear feedback available as 4-20mA (F4), 0-5VDC (F5) and 1-5VDC (F6).

To learn more about the EVX family,
scan this QR code or visit:

BanjoCorp.com/Banjo/EVX