

CATALOG #64 2024



BANJO LIQUID HANDLING PRODUCTS

CONNECT WITH CONFIDENCE™

CATALOG #65 EFFECTIVE OCTOBER 2023



ELECTRIC VALVES



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.

SMARTER

- EVX offers many protocol options for your needs:
 - On/Off
 - Regulating
 - Regulating with linear feedback
 - CAN/ISO BUS
 - Proportional control
- Diagnostic options for CANBUS
 - Voltage
 - Temperature
 - 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.



SMALLER / SMARTER / TOUGHER

ELECTRIC VALVES

3/4" - 1 1/2" EVX SERIES

FEATURES

- 12-volt DC operated
- 24-volt available
- Open/closed indicator
- 3/4"-1 1/4" ON/OFF has 3/4 sec response
- 1 1/2" ON/OFF has 1 1/2 sec response
- Regulating has 4 sec response
- Open/Close verification wires available
- IP68 waterproof
- -0 to 150F (-18 to 65C) operating
- -67 to 221F (-55 to 105C) storage
- On/Off Actuator rated to 500,000 cycles
- Regulating Actuator rated to 250,000 cycles
- Valve rated to 50,000 cycles leak-free
- Bolted valves have the same exact dimensions as our legacy EV valves.
- Additional protocols available including CAN/ISO BUS & Proportional Control

MATERIALS

- 316 stainless steel ball & stem
- Poly ball available
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- FKM stem seals

ON/OFF

- Red = +12V DC
- Black = Ground
- White = +12VDC (Open)
0VDC (Close)

4 WIRE REGULATING

- Red = +12V DC (Open)
- White = Ground (Open)
- Black = +12V DC (Close)
- Green = Ground (Close)



3/4" - 1 1/2" EVX ON/OFF BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	OPTIONAL HANDLE KIT	REPAIR KIT
EVX071	3/4" FULL PORT ELECTRIC VALVE	300	3/4"	1"	1	VP20153SH	EVX10200
EVX101	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1	VP20153SH	EVX10200
EVX121	1 1/4" STANDARD PORT ELECTRIC VALVE	300	1 1/4"	1"	1	VP20153SH	EVX10200
EVX151	1 1/2" FULL PORT ELECTRIC VALVE	250	1 1/2"	1 1/2"	1	VP20153SH	EVX20200

3/4" - 1 1/2" EVX REGULATING BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	OPTIONAL HANDLE KIT	REPAIR KIT
EVXR071	3/4" FULL PORT ELECTRIC VALVE	300	3/4"	1"	1	VP20153SH	EVX10200
EVXR101	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1	VP20153SH	EVX10200
EVXR151	1 1/2" FULL PORT ELECTRIC VALVE	250	1 1/2"	1 1/2"	1	VP20153SH	EVX20200

2" EVX SERIES



FEATURES

- 12-volt DC operated
- 24-volt available
- Open/closed indicator
- ON/OFF has 1½ second response
- Regulating has 4 second response
- Open/Close verification wires available
- IP68 waterproof
- -0 to 150F (-18 to 65C) operating
- -67 to 221F (-55 to 105C) storage
- On/Off Actuator rated to 500,000 cycles
- Regulating Actuator rated to 250,000 cycles
- Valve rated to 50,000 cycles leak-free
- Bolted valves have the same exact dimensions as our legacy EV valves.
- Additional protocols available including CAN/ISO BUS & Proportional Control

MATERIALS

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- FKM stem seals

ON/OFF

- Red = +12V DC
- Black = Ground
- White = +12VDC (Open)
0VDC (Close)

4 WIRE REGULATING

- Red = +12V DC (Open)
- White = Ground (Open)
- Black = +12V DC (Close)
- Green = Ground (Close)

2" EVX ON/OFF BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	OPTIONAL HANDLE KIT	REPAIR KIT
EVX201	2" STANDARD PORT ELECTRIC VALVE	250	2"	1½"	1	VP20153	EVX20200
EVX221	2" FULL PORT ELECTRIC VALVE	125	2"	2"	1	VP20153	EVX25200

2" EVX REGULATING BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	OPTIONAL HANDLE KIT	REPAIR KIT
EVXR201	2" STANDARD PORT ELECTRIC VALVE	250	2"	1½"	1	VP20153	EVX20200
EVXR221	2" FULL PORT ELECTRIC VALVE	125	2"	2"	1	VP20153	EVX25200

ELECTRIC VALVES

3" EVX SERIES

FEATURES

- 12-volt DC operated
- 24-volt available
- Open/closed indicator
- ON/OFF has 4 second response
- Regulating has 4 second response
- Open / Close verification available
- IP68 waterproof
- -0 to 150F (-18 to 65C) operating
- -67 to 221F (-55 to 105C) storage
- Actuator rated to 250,000 cycles
- Valve rated to 50,000 cycles leak-free
- Additional protocols available including CAN/ISO BUS & Proportional Control

MATERIALS

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- Zinc alloy lower actuator housing
- PTFE seats
- FKM stem seals

ON/OFF

- Red = +12V DC
- Black = Ground
- White = +12VDC (Open)
0VDC (Close)

4 WIRE REGULATING

- Red = +12V DC (Open)
- White = Ground (Open)
- Black = +12V DC (Close)
- Green = Ground (Close)



3" EVX ON/OFF ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	OPTIONAL HANDLE KIT
EVX300	3" FULL PORT ELECTRIC VALVE	125	3"	3"	1	VP30153

3" EVX REGULATING ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	OPTIONAL HANDLE KIT
EVXR300	3" FULL PORT ELECTRIC VALVE	125	3"	3"	1	VP30153

ELECTRIC VALVES

3/4" - 2" EVX SERIES BOTTOM & SIDE LOAD VALVES



FEATURES

- 12-volt DC operated
- 24-volt available
- Open/closed indicator
- 1" & 1 1/4" ON/OFF has 3/4 second response
- 1 1/2" & 2" ON/OFF has 1 1/2" second response
- Open / Close verification available
- IP68 waterproof
- -0 to 150F (-18 to 65C) operating
- -67 to 221F (-55 to 105C) storage
- On/Off Actuator rated to 500,000 cycles
- Valve rated to 50,000 cycles leak-free
- These bolted valves have the exact same dimensions as our legacy EV valves.
- Additional protocols available including CAN/ISO BUS & Proportional Control

MATERIALS

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- FKM stem seals

ON/OFF

- Red = +12V DC
- Black = Ground
- White = +12VDC (Open)
0VDC (Close)

4 WIRE REGULATING

- Red = +12V DC (Open)
- White = Ground (Open)
- Black = +12V DC (Close)
- Green = Ground (Close)

3/4"-2" EVX BOLTED BOTTOM LOAD ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	OPTIONAL HANDLE KIT	REPAIR KIT
EVX075BL	3/4" FULL PORT BOTTOM LOAD ELECTRIC VALVE	300	3/4"	1"	1	VP20153SH	EVX10200
EVX100BL	1" FULL PORT BOTTOM LOAD ELECTRIC VALVE	300	1"	1"	1	VP20153SH	EVX10200
EVX125BL	1 1/4" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/4"	1"	1	VP20153SH	EVX10200
EVX150BL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/2"	1 1/2"	1	VP20153SH	EVX20200
EVX200BL	2" STANDARD PORT BOTTOM LOAD ELECTRIC VALVE	250	2"	1 1/2"	1	VP20153	EVX20200
EVX220BL	2" FULL PORT BOTTOM LOAD ELECTRIC VALVE	125	2"	2"	1	VP20153	EVX25200

3/4"-2" EVX BOLTED SIDE LOAD ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	OPTIONAL HANDLE KIT	REPAIR KIT
EVX075SL	3/4" FULL PORT SIDE LOAD ELECTRIC VALVE	300	3/4"	1"	1	VP20153SH	EVX10200
EVX100SL	1" FULL PORT SIDE LOAD ELECTRIC VALVE	300	1"	1"	1	VP20153SH	EVX10200
EVX125SL	1 1/4" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/4"	1"	1	VP20153SH	EVX10200
EVX150SL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/2"	1 1/2"	1	VP20153SH	EVX20200
EVX200SL	2" STANDARD PORT SIDE LOAD ELECTRIC VALVE	250	2"	1 1/2"	1	VP20153	EVX20200
EVX220SL	2" FULL PORT SIDE LOAD ELECTRIC VALVE	125	2"	2"	1	VP20153	EVX25200

ELECTRIC VALVES

3/8" - 1/2" LEV SERIES

FEATURES

- 12 Volt DC
- Stationary current draw: less than 0.04 amps
- Rotating current draw: less than 0.40 amps
- Stall current: 0.75 amps
- Response time: 1/3 second open to close
- TFM seats
- EPDM seals
- Fiberglass reinforced polypropylene
- Integrated mounting slot
- Standard 3 wire configuration



LEV038



LEV050

3/8"-1/2" ON/OFF ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
LEV038	3/8" FULL PORT ELECTRIC VALVE	300	3/8"	3/8"	1
LEV050	1/2" ELECTRIC VALVE	300	1/2"	15/32"	1



LEV038PL

3/8" ELECTRIC VALVES W/ PUSH LOCK

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
LEV038PL	3/8" FULL PORT ELECTRIC VALVE W/ PUSH LOCK	150	3/8"	3/8"	1

