



INDICATOR/DOME IS STANDARD
OPTIONAL LED FOR OPEN/CLOSE

IP68 WATERPROOF
RATING

U PIN

U PIN FOR
EASY
CHANGE

COMPACT WELDED
CONSTRUCTION

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.

JJD

JJ DOWNS INDUSTRIAL PLASTICS INC.

416.236.1884

JJDOWNS.COM

Toronto, ON



SMALLER / SMARTER / TOUGHER

¾" - 1½" EVX SERIES

FEATURES

- 12-volt DC operated
- 24-volt available
- Open/closed indicator
- ¾" - 1¼" ON/OFF has ¾ sec response
- 1½" ON/OFF has 1½ sec response
- Regulating has 4 sec 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
- 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)



¾" - 1½" EVX ON/OFF BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX071	¾" FULL PORT ELECTRIC VALVE	300	¾"	1"	1
EVX101	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1
EVX121	1¼" STANDARD PORT ELECTRIC VALVE	300	1¼"	1"	1
EVX151	1½" FULL PORT ELECTRIC VALVE	250	1½"	1½"	1

¾" - 1½" EVX REGULATING BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVXR071	¾" FULL PORT ELECTRIC VALVE	300	¾"	1"	1
EVXR101	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1
EVXR151	1½" FULL PORT ELECTRIC VALVE	250	1½"	1½"	1



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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 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

2" EVX ON/OFF BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX201	2" STANDARD PORT ELECTRIC VALVE	250	2"	1½"	1
EVX221	2" FULL PORT ELECTRIC VALVE	125	2"	2"	1

2" EVX REGULATING BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVXR201	2" STANDARD PORT ELECTRIC VALVE	250	2"	1½"	1
EVXR221	2" FULL PORT ELECTRIC VALVE	125	2"	2"	1

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)

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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
EVX300	3" FULL PORT ELECTRIC VALVE	150	3"	3"	1

3" EVX REGULATING ELECTRIC VALVES

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

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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
EVX075BL	3/4" FULL PORT BOTTOM LOAD ELECTRIC VALVE	300	3/4"	1"	1
EVX100BL	1" FULL PORT BOTTOM LOAD ELECTRIC VALVE	300	1"	1"	1
EVX125BL	1 1/4" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/4"	1"	1
EVX150BL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/2"	1 1/2"	1
EVX200BL	2" STANDARD PORT BOTTOM LOAD ELECTRIC VALVE	250	2"	1 1/2"	1
EVX220BL	2" FULL PORT BOTTOM LOAD ELECTRIC VALVE	125	2"	2"	1

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

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX075SL	3/4" FULL PORT SIDE LOAD ELECTRIC VALVE	300	3/4"	1"	1
EVX100SL	1" FULL PORT SIDE LOAD ELECTRIC VALVE	300	1"	1"	1
EVX125SL	1 1/4" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/4"	1"	1
EVX150SL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/2"	1 1/2"	1
EVX200SL	2" STANDARD PORT SIDE LOAD ELECTRIC VALVE	250	2"	1 1/2"	1
EVX220SL	2" FULL PORT SIDE LOAD ELECTRIC VALVE	125	2"	2"	1

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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



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