TECHNICAL DATA SHEET

Two-Position 120VAC Motorized Valves

FOR USE WITH:
Hydronic Boilers

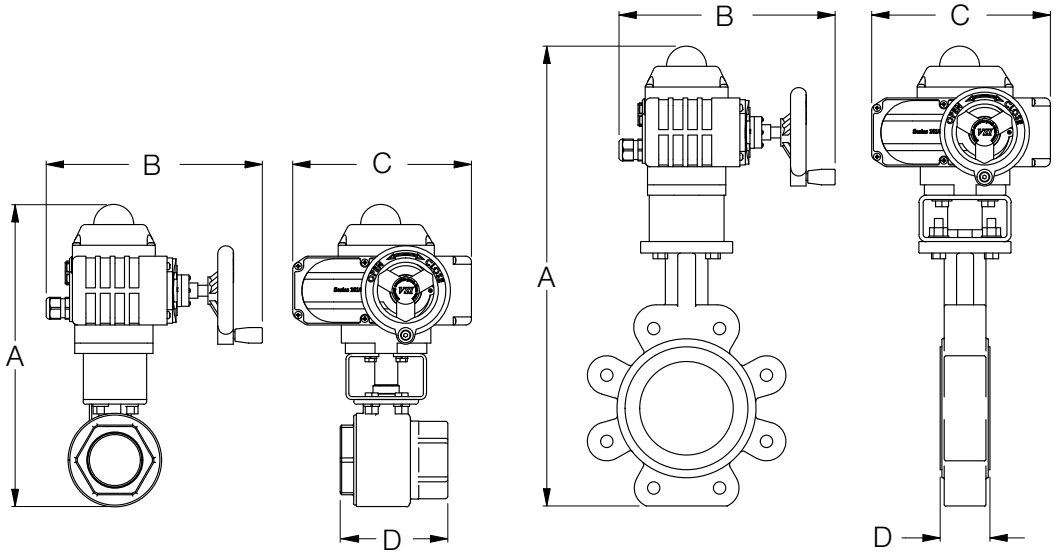
OVERVIEW

Two position motorized isolation valves automatically isolate idle boilers in variable primary flow systems to enhance temperature control. Using automatic isolation valves will prevent operating off of a blended supply water temperature, prevent nuisance manual reset high limit (MRHL) trips, and as required in ASHRAE 90.1 6.5.4.3.2 as a means of flow control, reduce idle boiler heat loss. The valves are intended for use with Fulton hydronic boilers; a shipped loose factory option of one (1) each per boiler.

The typical sequence of operation (SOO) to control the valve is to power open the valve upon heat demand, power close after a time delay when heat demand ends, and always leave a minimum of one valve open to provide a path for heating water flow. This SOO is included with the ModSync SE and PURE Control™.

SELECTION DATA TABLE

Line Size (inch)	2	3	4	6
Part Number	2-30-001382	2-30-001383	2-30-001385	2-30-001386
Type	Ball	Butterfly	Butterfly	Butterfly
Full-Open Cv	108	377	827	1,883
Pressure Rating (psi)	600	200	200	200
Max Current (amp)	0.81	0.34	0.81	1.68
Output Torque (in-lb)	885	443	885	1,770
Weight (lbs)	19	30	38	44
Height [A] (inch)	13-1/8	17-1/5	20	21-13/16
Width [B] (inch)	9-3/8	9-3/8	9-3/8	10-11/16
Depth [C] (inch)	7-3/4	5-3/7	7-3/4	10-1/16
Length [D] (inch)	4-11/16	1-4/5	2-3/16	2-1/4



BUTTERFLY VALVE SPECIFICATIONS

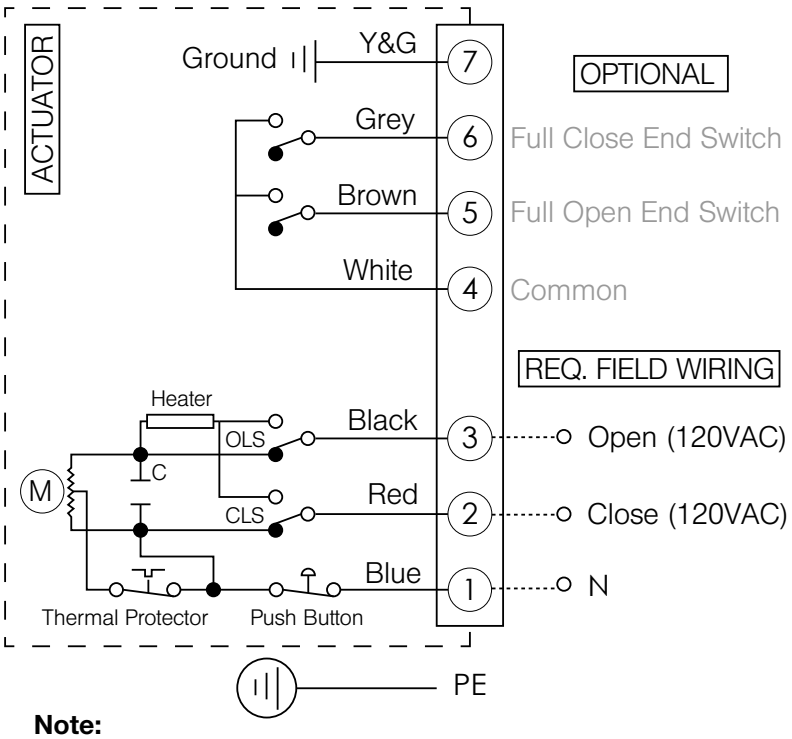
- Mounting: Lug ANSI 125/150
- Body: Ductile Iron
- Disc: 316 Stainless Steel
- Stem: 416 Stainless Steel
- Seat: EPDM

BALL VALVE SPECIFICATIONS

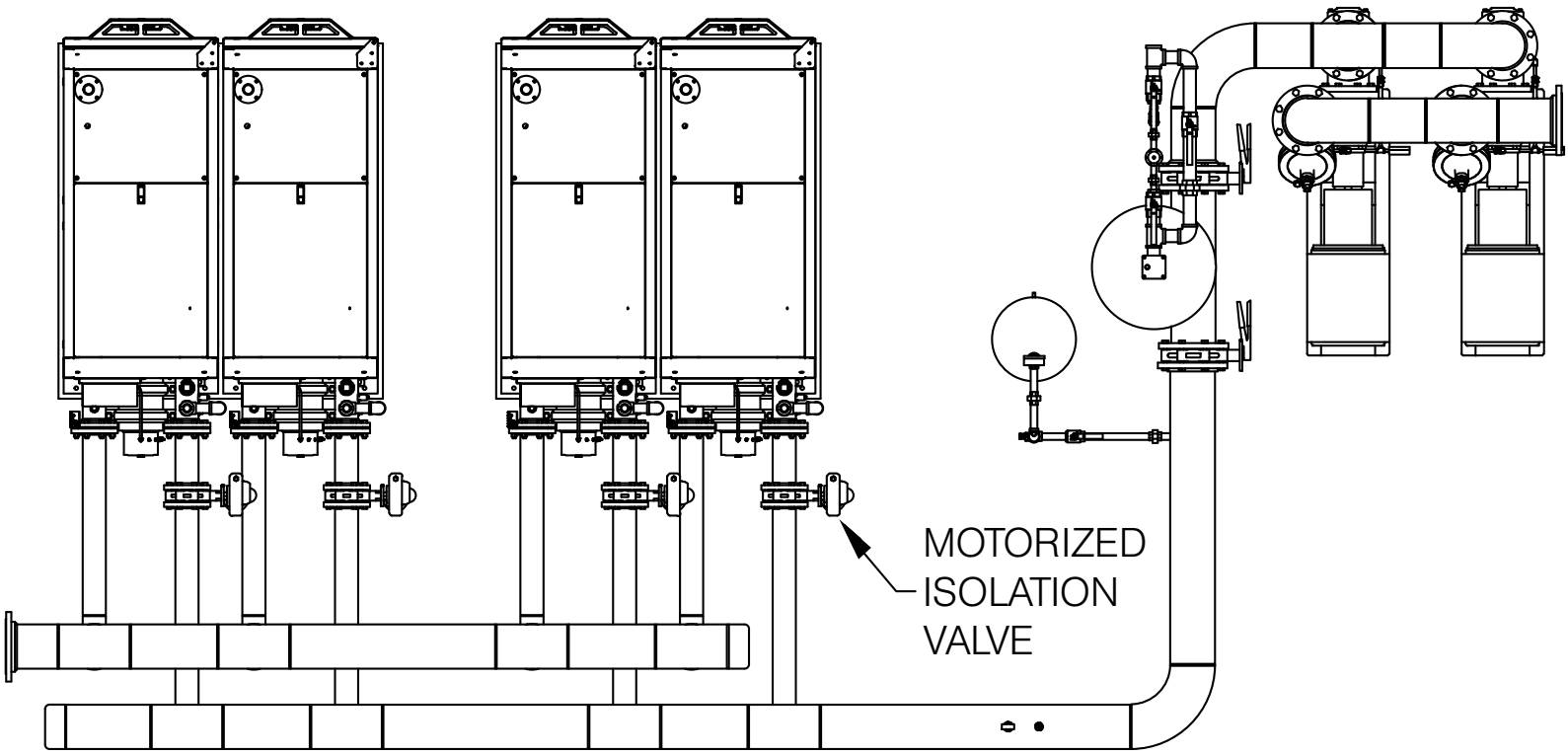
- Threading: F-NPT
- Body: Standard Port Bronze
- Ball and Stem: 316 Stainless Steel
- Seat: MPTFE
- Body Seal: PTFE

ACTUATOR SPECIFICATIONS

- Electrical: 120/1/60
- Power-Open, Power-Close
- Travel Speed: 30 Seconds
- Approvals: CE, NEMA4, CSA
- Temperature Range: -31 to 150°F
- Handwheel Override
- Internal Heater
- Mechanical Dome Indicator



Note:

Do not power valve actuator through the boiler control panel. Motorized valves require a separate power source.

FIELD PIPING INSTALLATION LOCATION