SECTION 230923.11 – CONTROL VALVES

* + - * 1. Control valve and actuator shall be provided and delivered from a single manufacturer as a complete assembly.
        2. The manufacturer shall warrant all components for a period of 5 years, except where noted, from the date of production with the first two years unconditional.
      1. BUTTERFLY-STYLE CONTROL VALVES
         1. Manufactured, brand labeled or distributed by Belimo.
         2. Commercial-Grade Butterfly Valves **NPS 2 (DN 50)** through **NPS 24 (DN 600)**:

Materials:

Body:

Ductile iron.

Disc:

304 stainless

Shaft

420 stainless

Seat:

EPDM

Shaft Bushing:

Reinforced PTFE

End Fitting: ANSI Class 150

Media: chilled water, hot water, 60% glycol.

Performance:

Media temperature: - 22°F to 250°F.

Body pressure: 232 psi cold working pressure (CWP)

Close-off Pressure: **NPS 2 (DN 50)** through **NPS 12 (DN 300)** 200 psi**, NPS 14 (DN 350)** through **NPS 24 (DN 600)** 150 psi.

Maximum Velocity: 12 FPS

Leakage: 0% flow

Flow characteristic: 2-way (modified equal percentage), 3-way (linear)

Bidirectional Three-way valve arrangement: Two 2-way butterfly valves in a cast iron Tee configuration cross-linked to ensure proper flow orientation.