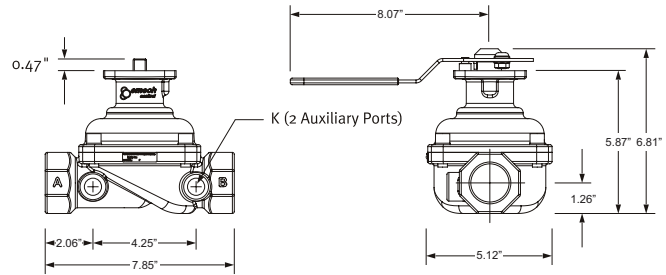# Emech™ Model F2040 Flow Control Valve

Emech's patented shear action disc design provides precise control mixing of steam and water.

Fitted with the Emech G1 electronic actuator, and integrated temperature sensor results in fast, accurate and stable temperature control.

As a single compact assembly installation is simplified. The independence of this stand alone unit provides a reliable solution for hot water supply.

Valve Features

- ISO 5211, 5210 actuator flange mounting
- Valve constructed of CF8M (316) stainless steel
- 1/4 turn action
- Standard end connections: NPT, CL 150 flanged, sanitary end connections
- Ceramic discs: durable, corrosion resistant
- Top entry allows inline access to internal valve parts
- Body temperature range: -13°F to 257°F
- Rated pressure 145 psi(10 bar)
- Maximum dynamic pressure drop of 130 psi (9.6 bar)
- Bubble tight (zero leakage) shut-off. The seat seal exceeds the requirements of ANSIB16.104 and FCI 70-2 Classes V and Vi
- Manual handle option can be locked in both open and the closed position
- Manual handle kit includes stroke liming feature to set the maximum opening of the steam port
- Design verification to ASME B16.34
- Liquid and gas capable

Emech Model F2040 Flow Control Valve	
Shipping weight	15 lbs (incl packaging)
Shipping box size	12.2" x 12.2" x 10.2" (W x L x H)

Flow Capacity (gpm)													
Model	Port Connection Sizes (NPT) Inlets x Outlets	Pressure Drop (psi)										Max. Flow	C$_v$
		5	10	15	20	25	30	35	40	45	50		
F2040	1-1/2" x 1-1/2"	109	155	189	219	245	268	289	309	328	346	558	48.9

Note 1: Flow capacity based on specific gravity of water (water = 1) and Max Flow calculated on 130 PSI pressure drop.
Note 2: Sensible pipeline velocities are the only limit to the F2040 valve flow rate.