

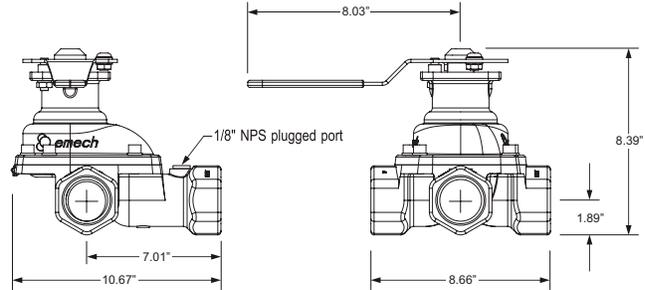


Armstrong® Emech™ Model F3050 Hot/Cold Mixer

The 3-port valve utilizes a unique shear action disc technology and swirl-mix body geometry to provide high performance dynamic fluid mixing. The nature of the valve seat design minimizes disc wear, outperforming conventionally seated valves, minimizing seal replacement and plant downtime.

Valve Features

- ISO 5211, 5210 actuator flange mounting
- Valve constructed of C8FM (316) stainless steel
- Ceramic discs: durable, corrosion resistant
- End connection: NPT (contact Armstrong for other end connection options e.g. CL150 flanges, socket weld, sanitary fittings, flanged)
- Elastomer seal material options
- Top entry allows inline access to internal valve parts
- Temperature range: -13°F to 257°F
- Rated pressure 145 psi (10 bar), designed to ASME B16.34
- Bubble tight (zero leakage) shut-off
- Manual handle option lockable in both open and closed position
- Seat seal performs beyond the requirements of ANSI B16.104 and FCI 70-2, Classes V and VI
- Manual handle kit includes stroke limiting feature



Emech Model F3050 Hot/Cold Water Mixer	
Shipping weight	26 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)										Nominal Min. Flow (Note 4)	Max. Flow	C _v
		5	10	15	20	25	30	35	40	45	50			
F3050	2" x 2-1/2"	107	151	185	213	239	261	282	302	320	337	20.0	Note 2	47.5

NOTE 1: Check valves MUST be installed on both inlets to the mixing system.

NOTE 2: Sensible pipeline velocities are the only limit to the F3050 mixing valve flows.

NOTE 3: Contact Armstrong or visit Web site for Armstrong F3050 valve sizing program and Application Notes.

NOTE 4: The nominal recommended Min. Flow is described as:

- The minimum flow at which temperature control can be readily achieved for the given valve size with the Actuator set at STANDARD control gain setting.
- Contact the factory for applications where flow conditions are lower than those stated above.

Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit www.armstronginternational.com for up-to-date information.