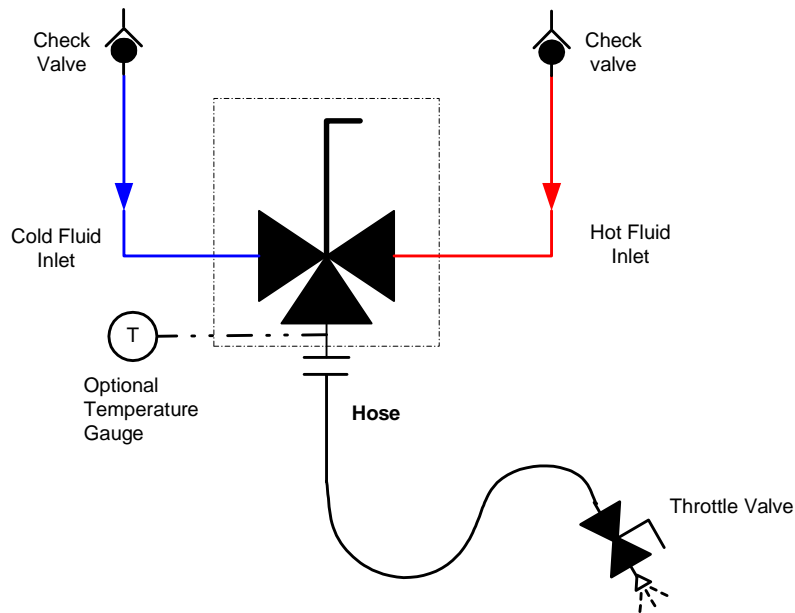


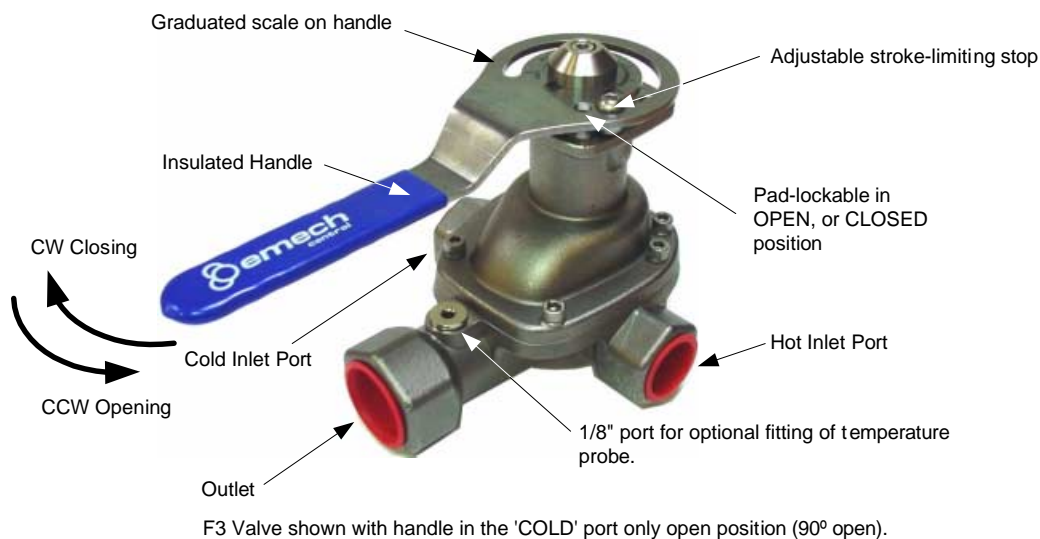
APPLICATION NOTE 1: Emech Manual Wash down Application

Model F3 3-PORT MIXING CONTROL VALVE



Advantages of the Emech F3 3-Port Control Valve

1. As the valve is opened (anti-clockwise handle movement) the cold port opens first. The hot port begins to open after 90° of handle stroke. The hot port only is full open at 230° of handle stroke.
2. The Emech valve uses ceramic "hard-seal" disc technology for long life sealing integrity, and low torque operation, even with high inlet pressures.
3. Unlike most 3 port valves the Emech Valve can isolate **BOTH INLETS** at once (i.e. it has a fully closed position). This may eliminate the need for separate isolation valving.
4. Simple installation and low-torque single lever operation.
5. By setting the position of the "stroke limiting" stop, an approximate maximum temperature setting can be made. This is a safety feature to minimize the possibility of operator injury.
6. The flow rate control can be achieved by either a throttle valve on the hose outlet, or by presetting the supply pressures.



Disclaimer:

This diagram is for general discussion purposes only. It is NOT intended as a design document. The actual operation and equipment selection is the responsibility of the plant owner. The information is solely intended to provide a general understanding of the subject matter and to assist Emech's customers and potential customers to assess whether they require further information. Emech does not guarantee or warrant the accuracy, completeness or currency of any information provided.

