



TI-P170-01
 EMM Issue 6

F50C Isolating Valve

Description

The F50C is a needle type isolating valve designed for primary isolation in flowmetering applications with steam and other industrial fluids. No spares are available.

Materials

No.	Part	Material
1	Body	Carbon steel, zinc plated and passivated
2	Seals	Graphoil (not shown)

Sizes and pipe connections

½" screwed NPT.

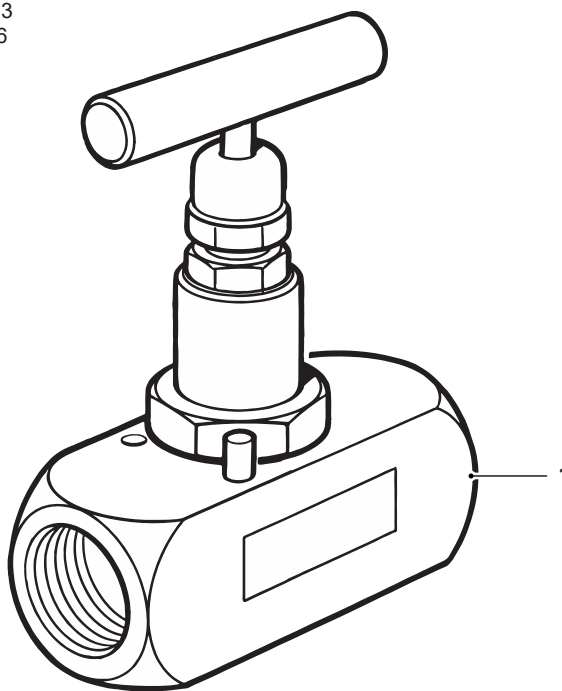
Kv values

0.474

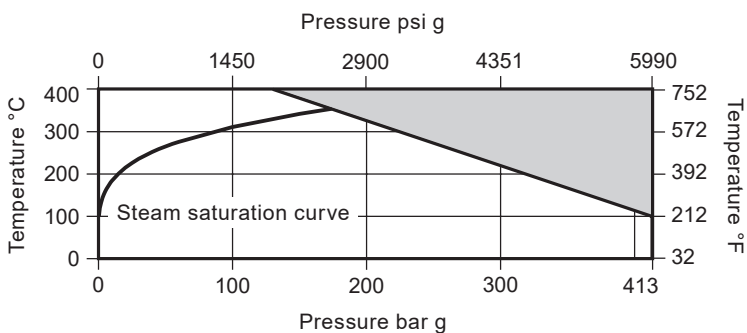
For conversion:

Cv (UK) = Kv x 0.963

Cv (US) = Kv x 1.156



Pressure/temperature limits



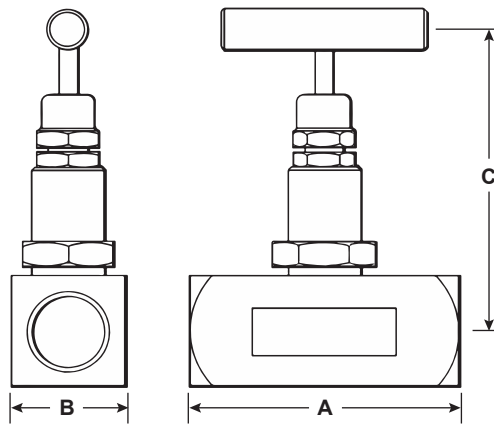
The product **must not** be used in this region.

Maximum operating pressure	413 bar g (5990 psi g)
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Maximum operating temperature	430 °C (806 °F)
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Dimensions/weight (approximate) in mm (inches) and kg (lbs)

A	B	C With valve open	Connections	Weight
66 (2.6)	28 (1.1)	76* (3)*	½" NPT	0.5 (1.1)



Safety information, installation and maintenance

Your attention is drawn to Safety information leaflet IM-GCM-10.

This document does not give sufficient information to install the product in a safe manner.

See the relevant system Installation and Maintenance Instructions for full details.

The F50C valve may be installed in any position, but the flow should be in the direction of the arrow on the valve body.

When used as an isolating valve in a steam meter impulse line, it is important to install the valve on the centre line of the flowmeter rather than below it, so that the valve is in steam rather than water.

How to order

Example: 1 off Spirax Sarco F50C isolating valve.