

(PREVIEW)

## *Indian Standard*

# INDUSTRIAL PROCESS CONTROL VALVES

## PART 2 FLOW CAPACITY

### Section 1 Sizing Equations for incompressible Fluid Flow Under Installed Conditions

#### 1 SCOPE

**1.1** This standard ( Part 2/Sec 1 ), gives the method for determination of flow capacity for incompressible fluid in industrial process control valves.

**1.2** The equations presented in this standard are based on the Bernoulli equation for Newtonian incompressible fluids. They are not intended for use when non- Newtonian fluids, fluid mixtures, slurries, or liquid-solid conveyance systems are encountered.

#### 2 REFERENCE

IS 10189 (Part 1) : 1982 'Specification for industrial process control valves : Part 1 General requirements and tests', is a necessary adjunct to this standard.