



Prod. # HI-100, DFT® HI-100™ Severe Service Control Valve

The HI-100™ features an in-line Straight-thru, venturi flow design. The seating element, a spherical ball, is contained by a cage that positions it relative to the downstream seat by means of linear stem travel. There are no close clearances between the moving parts (i.e. cage, ball and seat). These features enable the valve to operate smoothly and efficiently at high or low temperatures, and/or in fluids carrying suspended particles such as slurries. The Quick Change Trim feature permits in-line replacement of the internal trim (ball, stem, cage, seats, seat retainer cartridge and wear bushings). Interchangeability of the upstream and downstream seats and wear bushings extends the life of the valve at no extra cost.

[Specifications](#) · [Features](#)

Specifications

Series	HI-100™
Size¹	DN 8 to DN 200 0.25 to 8.00 in
ANSI	150 to 4500
Material	Alloy Steel Carbon Steel High Alloys Stainless
End	Custom End Flanged End Weld End
Temperature Rating	-425 to 1900 °F -254 to 1038 °C
Trim	Quick Change
Design	Straight-thru
Actuation	Electric Hydraulic Manual Pneumatic

¹ End Connection to 16"

Features

- Straight-thru design
- 1/4" to 8" (End Connection to 16")
- ANSI 150 to 4500 and Special High Pressure
- Carbon Steel, Alloy Steel, Stainless and High Alloys
- Weld End, Flanged or Custom End Prep
- Temperatures:
-425°F to 1900°F
- In-Line repair
- Quick Change Trim
- Top or Bottom Entry
- Low Operating Thrust
- Manual, Pneumatic, Electric and Hydraulic Actuation