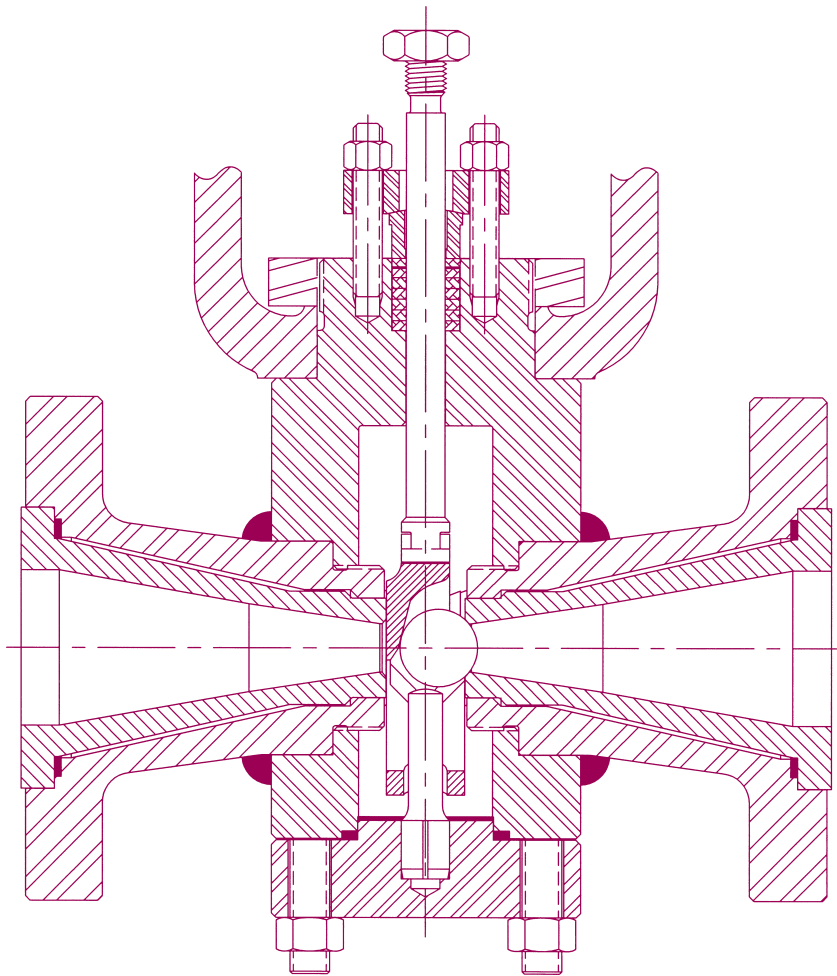


ULTRA-TROL®



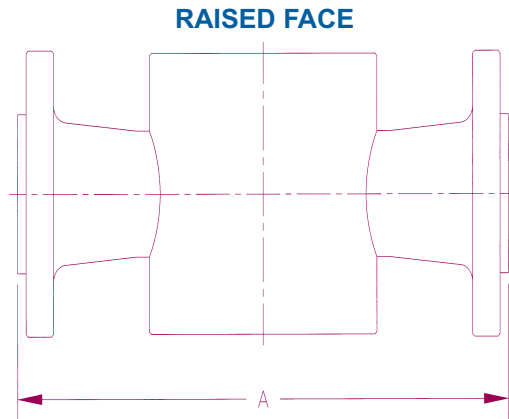
US PATENT # 4,446,883

Features

- *Straight-thru design*
- 1/4" to 6"
- ANSI 150 to 2500
- Carbon Steel, Stainless, Alloys and Other Materials
- ANSI Raised Face, Ring Joint, DIN, or Japanese Industrial Standard Ends
- Temperatures: -425° F to 1000° F
- In-Line Repair - trim
- Low Operating Thrust
- Actuation: Manual, Pneumatic, Electric and Hydraulic

The **ULTRA-TROL** is designed for applications requiring *flanged* end connections. The internal design features are similar to the HI-100 found on page 6. They include the in-line through ported, venturi flow shape and the contained spherical ball. The ball, cage and stem can easily be replaced *in-line* through the bottom cover without removing the valve from the line. The downstream seat is end loaded for quick replacement. Like the HI-100, the ULTRA-TROL can be used for various fluids including slurries in high or low temperature applications for refining, chemical, petrochemical and co-generating facilities.

ULTRA-TROL®



Nominal Valve Size	Class Dimensions (A)*					
	150	300	600	900	1500	2500
1/4	4					
3/8	4					
1/2	4-1/4	6	6-1/2		8-1/2	10-3/8
3/4	4-5/8	7	7-1/2	9	9	10-3/4
1	5	8	8-1/2	10	10	12-1/8
1-1/4	5-1/2	8-1/2	9	11	11	13-3/4
1-1/2	6-1/2	9	9-1/2	12	12	15-1/8
2	8	10-1/2	11-1/2	14-1/2	14-1/2	17-3/4
2-1/2	8-1/2	11-1/2	13	16-1/2	16-1/2	20
3	9-1/2	12-1/2	14	15	18-1/2	22-3/4
4	11-1/2	14	17	18	21-1/2	26-1/2
6	16	17-1/2	22	24	27-3/4	36

* Copied from ANSI B16.10-1973. Dimensions may vary from the above based on customer requests.

Flow Coefficient Values

Size	1/4	3/8	1/2	3/4	1	1-1/4
Cv	1	2.5	4.5	10	20	31

Size	1-1/2	2	2-1/2	3	4	6
Cv	45	80	125	180	320	720

Note: All dimensions are in inches.