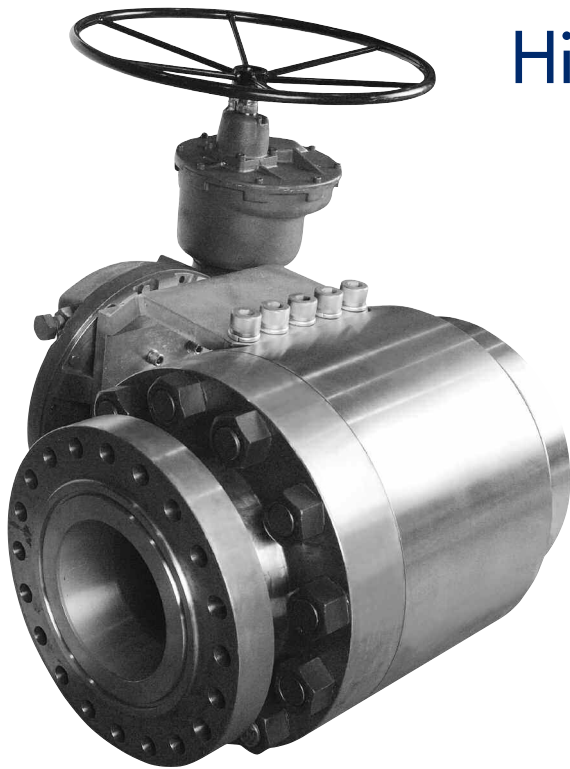
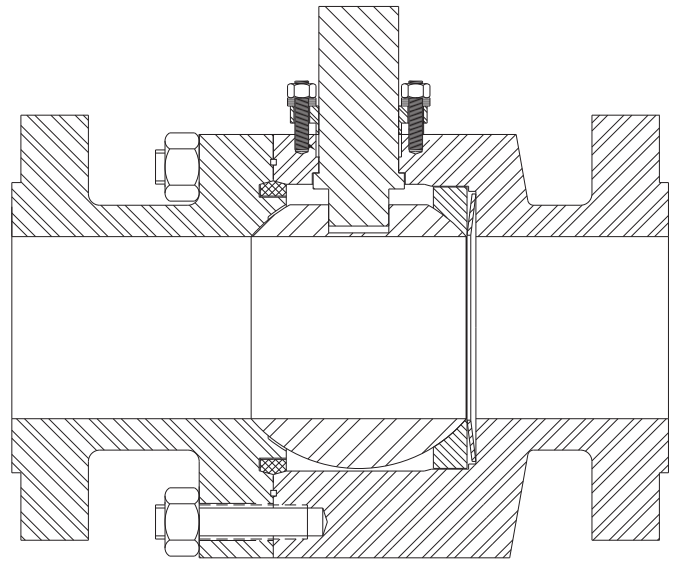


# V1-4

VALV TECHNOLOGIES



## High Pressure, Large Bore Valves ANSI 900-2500 4"-36"



### APPLICATIONS

#### Mining & Minerals Processing

- Concentrate Pipelines
- Tailings Pipelines
- Paste Backfill
- Autoclaves Block

#### Hydrocarbons & Refining

- Catalyst Handling
- Emergency Shut-Down
- EMIT-X Dual Seal for Zero Emissions Areas
- High-Pressure Cutting Water Isolation
- High-Pressure Specialty Chemicals
- Hydrogen Isolation and Control
- Main Steam Isolation
- Polymer Isolation
- Toxic Materials Handling
- H-Oil
- Ethylene and Ethylene Oxide
- Hydrocracking
- LC Fining
- Polyethylene (HD and LLD)
- Styrene Purification
- Unifining
- Ultraformer

#### Oil & Gas

- Emergency Shut-Down
- HIPPS Isolation
- Inconel Clad for Sour Gas Service
- Pig Launchers and Receivers

- Power
- Gasifiers
- Steam Vents

The V1-4 category extends our core design concepts to larger diameter and higher pressure applications. This valve is designed for critical isolation applications in the Mining & Minerals Processing, Power, Hydrocarbon Refining and Processing, Oil and Gas Production and other industries. The V1-4 is available in ANSI pressure classes 900 to 2500, in sizes 4" to 36" and in virtually any material with pressure containing parts made exclusively from forgings. Standard end connections are butt weld and flanged or valves can be custom designed to include special end connections; as well as purge ports, cavity fillers, fugitive emission bonnets, abrasion resistant linings and many other process-specific options.



ASME™ International

Spec 6D-0433  
Spec 6A-0581

Integral Seat, Zero Leakage, Severe Service Metal Seated Ball Valves

## FULL PORT DIMENSIONS (ANSI 900/1500/2500)

ANSI VALVE SIZE	ANSI 900			ANSI 1500			ANSI 2500		
	BORE	F-to-F	FLANGE O.D.	BORE	F-to-F	FLANGE O.D.	BORE	F-to-F	FLANGE O.D.
4"	3.50	18.00	11.50	3.50	21.50	12.25	3.50	26.50	14.00
6"	5.13	24.00	15.00	5.13	27.75	15.50	3.50	36.00	19.00
8"	7.13	29.00	18.50	6.06	32.75	19.50	5.13	40.25	21.75
10"	8.06	33.00	21.50	8.06	39.00	23.00	7.13	50.00	26.50
12"	10.06	38.00	24.00	10.06	44.50	26.50	8.06	56.00	30.00
14"	12.06	40.50	25.25	10.06	49.50	29.50	-	-	-
16"	13.25	44.50	27.75	12.06	54.50	32.50	-	-	-
18"	15.25	48.00	31.00	13.25	60.50	36.00	-	-	-
20"	17.25	52.00	33.75	15.25	65.50	38.75	-	-	-
22"	19.25	56.50	37.50	-	-	-	-	-	-
24"	19.25	61.00	41.00	19.25	76.50	46.00	-	-	-
26"	21.25	65.50	42.75	-	-	-	-	-	-
28"	23.25	70.00	46.00	-	-	-	-	-	-
30"	25.25	74.50	48.50	-	-	-	-	-	-
32"	27.25	79.00	51.75	-	-	-	-	-	-
34"	29.25	83.50	55.00	-	-	-	-	-	-
36"	31.25	88.00	57.50	-	-	-	-	-	-

NOTE: Other bore sizes are available, please consult with factory.

## STANDARD PORT DIMENSIONS (ANSI 900/1500/2500)

ANSI VALVE SIZE	ANSI 900			ANSI 1500			ANSI 2500		
	BORE	F-to-F	FLANGE O.D.	BORE	F-to-F	FLANGE O.D.	BORE	F-to-F	FLANGE O.D.
4"	2.13	18.00	11.50	2.13	21.50	12.25	2.13	26.50	14.00
6"	3.50	24.00	15.00	3.50	27.75	15.50	2.13	36.00	19.00
8"	5.13	29.00	18.50	5.13	32.75	19.50	3.50	40.25	21.75
10"	7.13	33.00	21.50	7.13	39.00	23.00	6.06	50.00	26.50
12"	8.06	38.00	24.00	8.06	44.50	26.50	7.13	56.00	30.00
14"	8.06	40.50	25.25	8.06	49.50	29.50	-	-	-
16"	10.06	44.50	27.75	10.06	54.50	32.50	-	-	-
18"	12.06	48.00	31.00	12.06	60.50	36.00	-	-	-
20"	13.25	52.00	33.75	12.06	65.50	38.75	-	-	-
22"	15.25	56.50	37.50	-	-	-	-	-	-
24"	17.25	61.00	41.00	15.25	76.50	46.00	-	-	-
26"	19.25	65.50	42.75	-	-	-	-	-	-
28"	19.25	70.00	46.00	-	-	-	-	-	-
30"	21.25	74.50	48.50	-	-	-	-	-	-
32"	23.25	79.00	51.75	-	-	-	-	-	-
34"	25.25	83.50	55.00	-	-	-	-	-	-
36"	27.25	88.00	57.50	-	-	-	-	-	-

NOTE: Other bore sizes are available, please consult with factory

Pressure-Temperature ratings are in accordance with ASME/ANSI B16.34 - 1996

