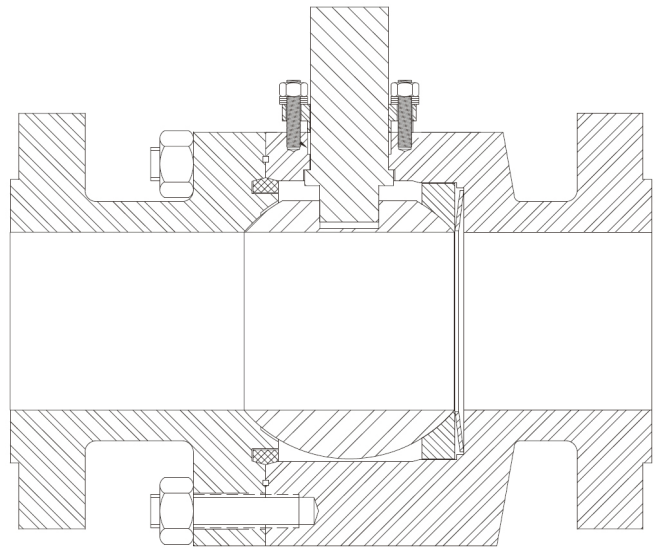


V1-4

VALVTECHNOLOGIES



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 seat 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 & ethylene oxide
- Hydrocracking
- LC fining
- Polyethylene (HD & LLD)
- Styrene purification
- Unifining
- Ultraformer

Oil & Gas

- Emergency shut-down
- HIPPS isolation
- Inconel clad for sour gas service
- Pig launchers & receivers

Power

- Gasifiers
- Steam vents

The V1-4 category extends our core design concepts to large diameter and higher pressure applications. This valve is designed for critical isolation applications in the mining and minerals processing, power, hydrocarbon refining and processing, oil and gas production and other industries. The V1-4 is available in ANSI pressure classes 900 - 2500, in sizes 4" - 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.

FULL PORT DIMENSIONS (ANSI 900 / 1500 / 2500)

ANSI VALVE SIZE	900#			1500#			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	900#			1500#			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 - 2013

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