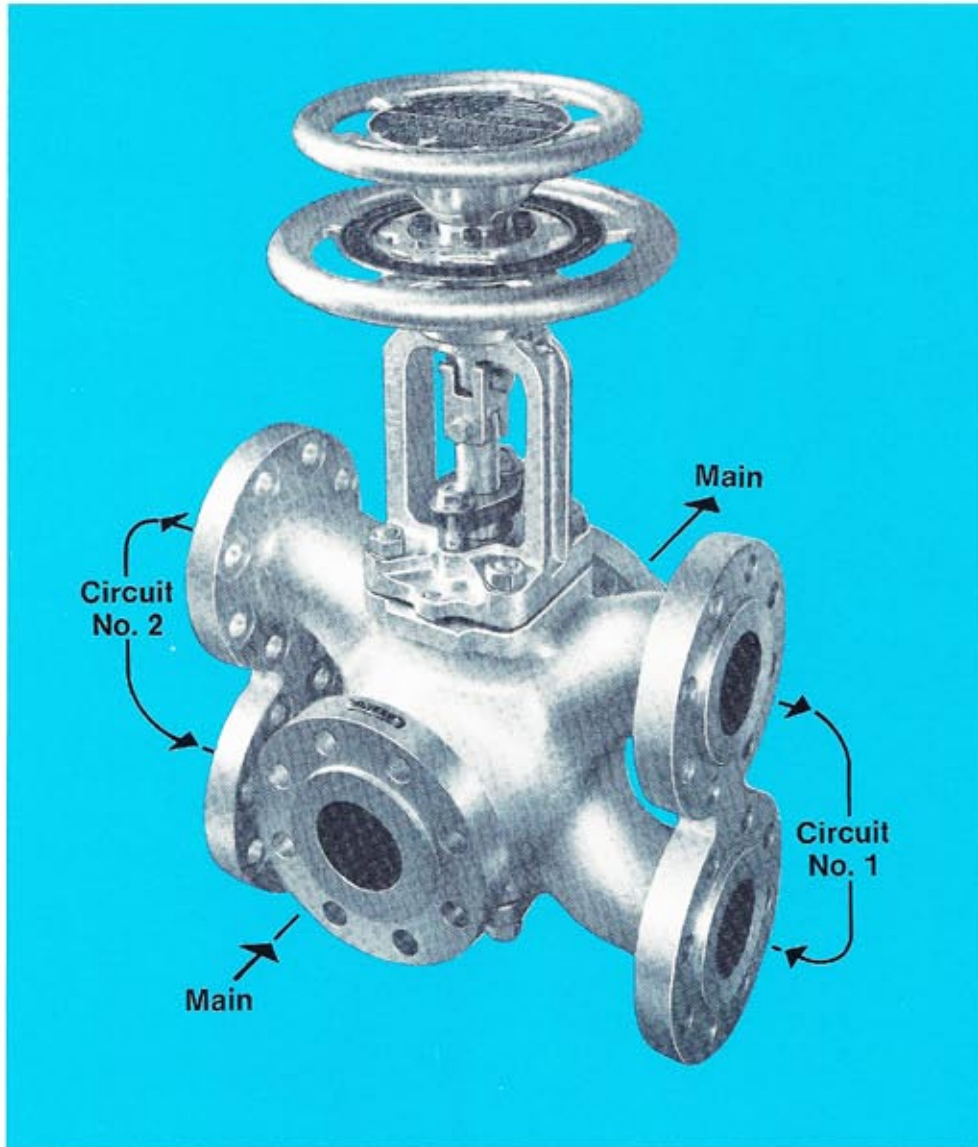


Tate Andale 104HV Double Circuit Valve



Description

The Tate Andale Type 104HV Double Circuit Valve is a duplex, three-way, single plug, six connection valve having a jacking device for raising and reseating the plug and a turning wheel or lever for controlling the flow to and from two (2) pieces of parallel equipment. The Type 104HV Valve is available in sizes 1" through 8" for system pressures up to 350 psig.

Typical Valve Specification

The valve shall be a Type 104HV Double Circuit Valve as manufactured by Tate Andale, Inc. and suitable for a working pressure of 150 psig at 200° F.

The valve body shall be cast steel or stainless steel construction with _____" — 150 #ANSI raised face flanged connections. The valve plug shall be cast steel or stainless steel, shall be of conical design to assure maximum plug seal on the closed circuit, shall be equipped with a lifting mechanism to minimize wear and allow ease of turning and shall be designed so as to automatically vent and drain the closed circuit.

Standard Materials

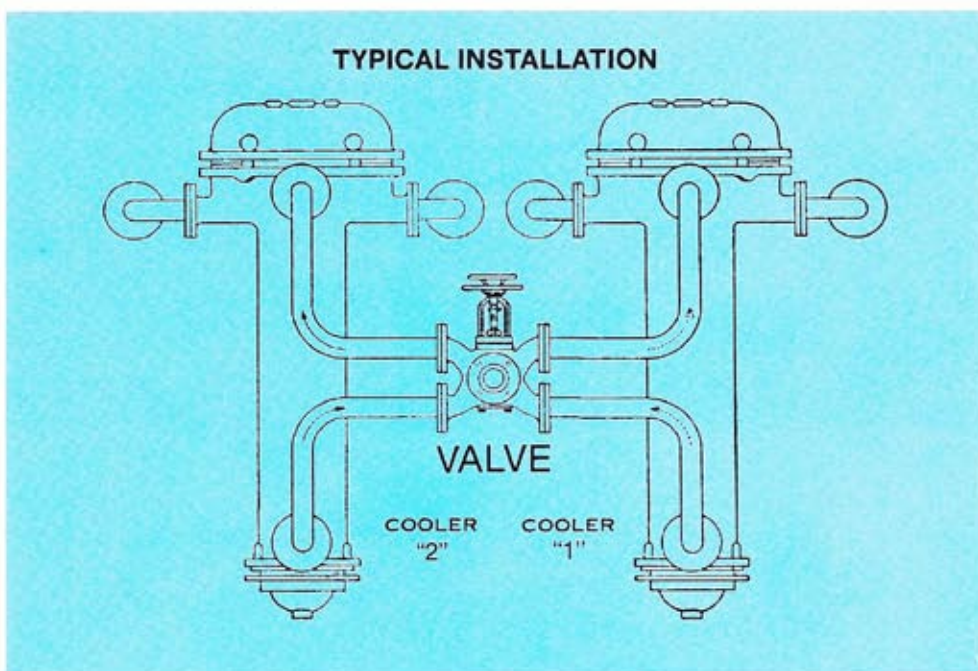
Body, Bonnet & Plug Cast Steel

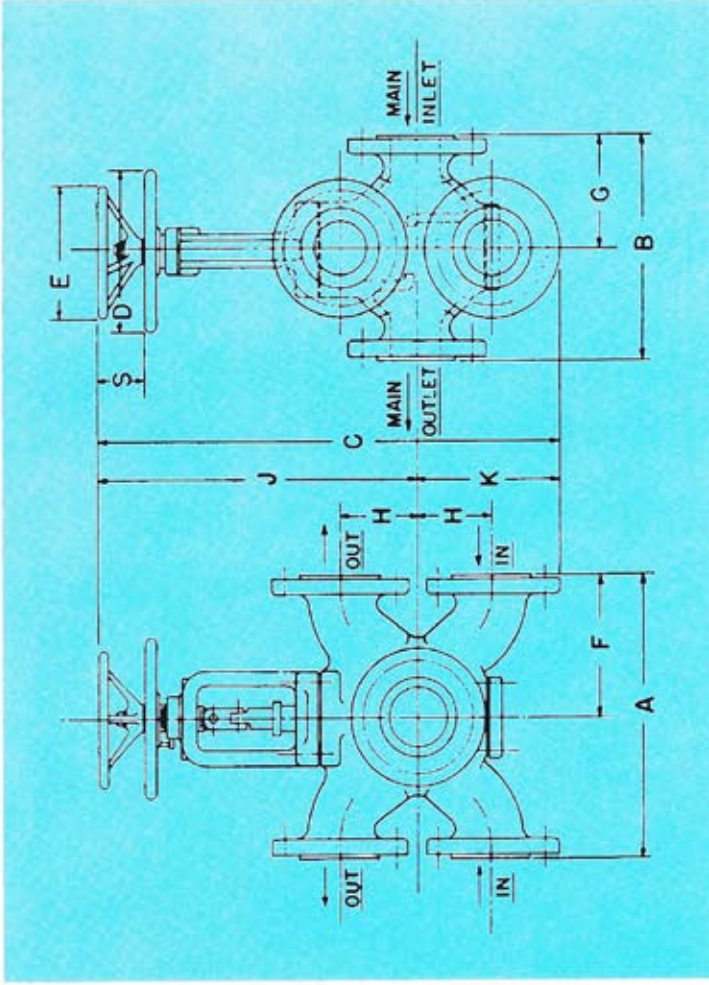
Standard Features

- Design prevents interruption of flow.
- One movement controls the inlets and outlets of two parallel circuits under pressure.
- Valve lifting mechanism affords ease of turning and minimizes wear.
- Only 90° plug rotation completely changes flow from one side to the other; intermediate plug positions direct the flow to both sides.
- Rugged construction prevents piping stresses from distorting the valve seating.
- Conical plug design assures maximum plug seal on the closed circuit.
- Two wheels: lower wheel lifts and seats the plug; upper wheel turns the plug; both are marked to assure positive identification and flow direction.
- Universal type plug linkage assures alignment in the body.

Optional Features

- Higher design pressure
- Lever operation
- Stainless steel body and plug

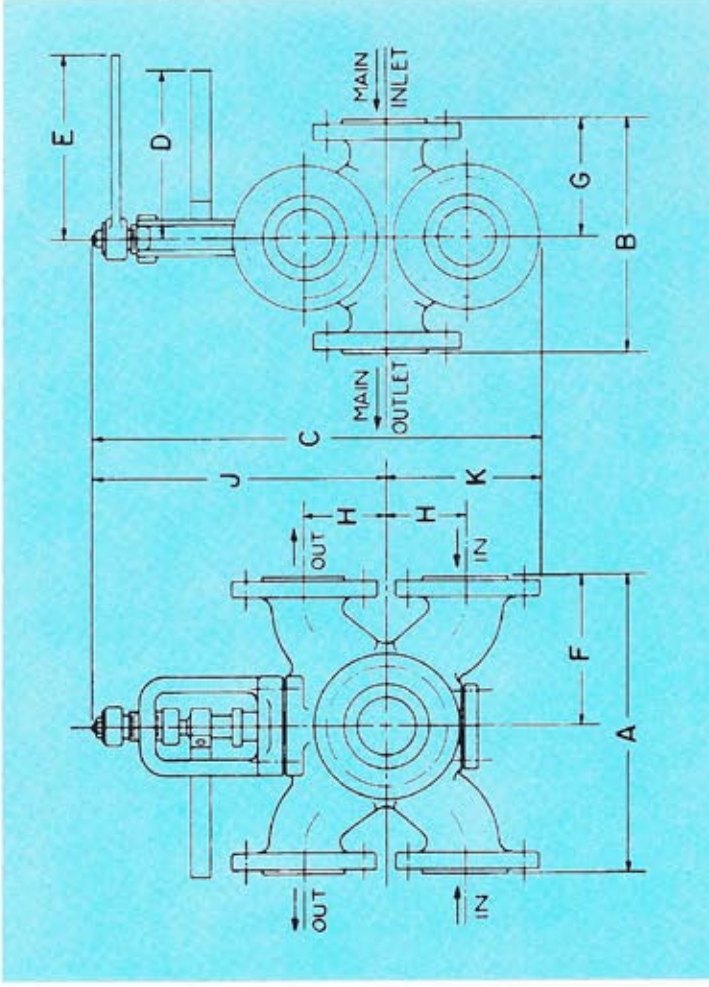




Model 104HV Dimensions (Approx.) 150 PSIG

SIZE	A	B	C	D	E	F	G	H	J	K	L	N	P	R	S	RF	WT.*
1 1/2"	11 1/2	9 1/2	22 1/16	10	8	5 3/4	4 3/4	3 5/16	16 1/4	5 3/16	5	3 3/8	4 5/8	9/16	3	2 7/8	100
2"	13	10 1/2	23 3/8	10	8	6 1/2	5 1/4	3 1/2	16 7/8	6 1/2	6	4 3/4	4 3/4	5/8	3	3 3/8	145
2 1/2"	14 3/8	11 3/8	27	12	10	7 3/16	5 1/16	4	19 1/2	7 1/2	7	5 1/2	4 3/4	1 1/16	3 1/2	4 1/8	235
3"	16 1/4	12 3/4	28 3/4	12	10	8 1/8	6 3/8	4 3/8	20 5/8	8 1/8	7 1/2	6	4 3/4	3/4	3 1/2	5	300
4"	19 3/8	16 3/8	36	12	10	9 1/16	8 3/16	5 1/4	26 1/4	9 3/4	9	7 1/2	8 3/4	5/16	3 1/2	6 3/16	430
5"	22 1/8	18 1/8	38 3/8	12	10	11 1/16	9 1/16	5 3/4	27 7/8	10 3/4	10	8 1/2	8 7/8	15/16	3 1/2	7 7/16	600
6"	25 1/8	21 1/8	41 1/2	12	10	12 9/16	10 9/16	6 1/2	29 1/2	12	11	9 1/2	8 3/8	1	3 1/2	8 1/2	785

*Weight in pounds



Model 104V Dimensions (Approx.) 150 PSIG

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
1"	9 1/2	7 1/2	15 1/2	4	6 1/4	4 3/4	3 3/4	2 1/16	10 1/16	4 13/16	4 1/4	2	3 1/8	4 5/8	7/16
1 1/2"	11 1/2	9 1/2	18	4	6 1/4	5 3/4	4 3/4	3 3/8	12 3/16	5 13/16	5	2 7/8	3 7/8	4 5/8	9/16
2"	13	10 1/2	19 3/4	5	6 1/4	6 1/2	5 1/4	3 1/2	13 1/4	6 1/2	6	3 5/8	4 3/4	4 3/4	5/8
2 1/2"	14 3/8	11 3/8	22 3/4	6	8	7 3/16	5 1/16	4	15 1/4	7 1/2	7	4 1/8	5 1/2	4 3/4	1 1/16
3"	16 1/4	12 3/4	24 3/4	6	8	8 1/8	6 3/8	4 3/8	16 3/4	8 1/8	7 1/2	5	6	4 3/4	3/4
4"	19 3/8	16 3/8	32 1/2	8	10 1/2	9 1/16	8 3/16	5 1/4	22 3/4	9 3/4	9	6 3/16	7 1/2	8 3/4	15/16
5"	22 1/8	18 1/8	35 1/2	8	10 1/2	11 1/16	9 1/16	5 3/4	24 3/4	10 3/4	10	7 7/16	8 1/2	8 3/8	1 3/16
6"	25 1/8	21 1/8	38 3/4	8	10 1/2	12 5/16	10 9/16	6 1/2	26 1/4	12	11	8 1/8	9 1/2	8 3/8	1

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