



# Tulsa Valve

*We Control The Flow*



## Flanged Check Valves

ISO 9001:2000 Certified  
Certificate No. C2007-01814



# Flanged Check Valves

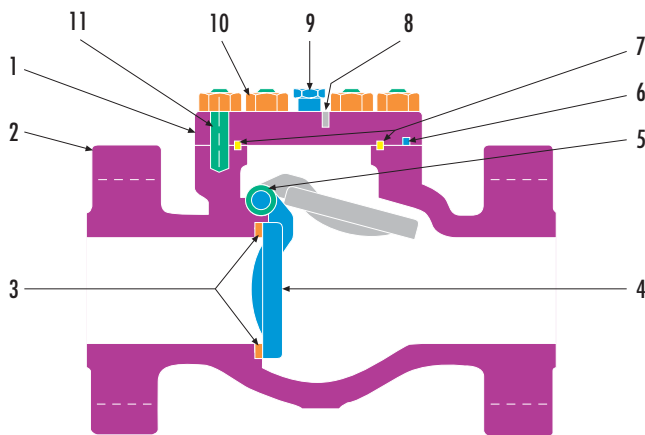


**Carbon Steel - Alloy Steel - Stainless Steel**

**Flanged Check Valves** are available in a carbon steel, alloy steel and stainless steel body. Flanged Check Valves come in 2" thru 24" sizes. All of our Flanged Check Valves conform to NACE MR0175 requirements. Our Flanged Check Valves are full opening to ensure a very low pressure drop.

**Features Include:**

- Carbon steel, alloy steel and stainless steel body
- 2" to 24" Size Range
- Carbon Steel / Alloy Steel / Stainless Steel: 150 to 5000 WOG Pressure Range
- 8" and larger lock-open lever is standard
- Bolted bonnet with tap is standard



## Flanged End Summary Bill Of Materials

ITEM	DESCRIPTION
1	Bonnet Assembly
2	Body Assembly
3	Disc Seal O-ring
4	Disc
5	Stem Bushing
6	Spring Pin
7	Bonnet Seal Ring
8	Tapped Hole for Lifting Eye
9	Hex Pipe Plug
10	Heavy Hex Nut
11	Bonnet Stud

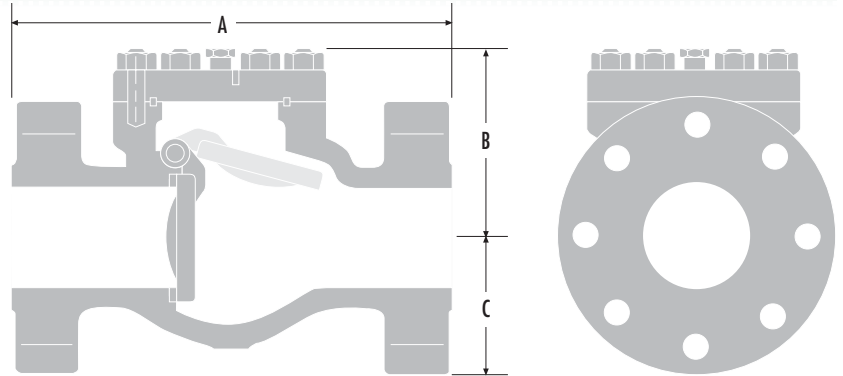
## Flanged End Materials

Body:	ASTM A216 WCC* ASTM A351 CF8M* ASTM A487 4C*
Disc:	316SS Stellite Overlay Optional
Seat Options:	Integral or Replaceable Resilient or Metal to Metal
Seals:	Replaceable Seal Viton or High-Temp Graphite
Studs & Nuts:	B7/2H*

\*Conforms to latest edition of NACE MR-01-75.

## Flanged End Features

- Rugged carbon steel, alloy steel or stainless steel body
- 316SS disc standard
- Integral or replaceable seat available
- ANSI and API-6A Flanges
- Bolted bonnet with tap is standard



## Dimensions/Specifications

SIZE	ANSI /API CLASS	BODY*	WT./LBS.	DIMENSIONS (IN.)			
				A-RF	A-RTJ	B	C
2"	150	WCC	20	8.00	-	4.25	3.00
	300	WCC	25	10.50	-	4.25	3.25
	600/API 2,000	WCC/4C	50	11.50	11.62	4.25	3.25
	900/API 3,000	WCC/4C	80	14.50	14.62	7.25	4.25
	1500/API 5,000	WCC/4C	120	14.50	14.62	7.25	4.25
3"	150	WCC	50	9.50	-	5.31	3.75
	300	WCC	65	12.50	-	5.31	4.12
	600/API 2,000	WCC/4C	100	14.00	14.12	5.31	4.12
	900/API 3,000	WCC/4C	115	15.00	15.12	7.44	4.75
	1500/API 5,000	WCC/4C	130	18.50	18.62	7.44	5.25
4"	150	WCC	75	11.50	-	5.88	4.50
	300	WCC	100	14.00	-	5.88	5.00
	600/API 2,000	WCC/4C	155	17.00	17.12	6.12	5.38
	900/API 3,000	WCC/4C	215	18.00	18.12	8.19	5.75
	1500/API 5,000	WCC/4C	365	21.50	21.62	8.31	6.12
6"	150	WCC	110	14.00	-	8.00	5.50
	300	WCC	185	17.50	-	8.62	6.25
	600	WCC	300	22.00	22.12	9.00	7.00
	900	WCC	435	24.00	24.12	9.19	7.50
	1,500	WCC	770	27.75	28.00	10.75	7.75
8"	150	WCC	220	19.50	-	10.00	6.75
	300	WCC	375	21.00	-	10.12	7.50
	600	WCC	560	26.00	26.12	10.75	8.25
	900	WCC	775	29.00	29.12	11.00	9.25
	1,500	WCC	1,225	32.75	33.12	12.75	9.50
10"	150	WCC	530	24.50	-	13.00	8.00
	300	WCC	535	24.50	-	13.00	8.75
	600	WCC	1,025	31.00	31.12	14.62	10.00
	900	WCC	1,250	33.00	33.12	15.50	10.75
	1,500	WCC	1,565	39.00	39.38	18.25	11.50
12"	150	WCC	350	27.50	-	13.62	9.50
	300	WCC	900	28.00	-	14.50	10.25
	600	WCC	1,350	33.00	33.12	16.38	11.00
	900	WCC	1,625	38.00	38.12	17.25	12.00
	1,500	WCC	2,050	44.50	45.12	20.50	13.25
16"	600	WCC	2,500	39.00	39.12	21.25	10.62
24"	600	WCC	9,050	55.00	55.12	27.75	15.06

\*CF8M available upon request.

## Check Valve Installation & Maintenance

### Installation:

1. Check interior of valve for foreign matter.
2. All Tulsa Valve Check Valves are designed for horizontal or vertical flow up installation:  
  
Horizontal - Valve should be installed with inlet and outlet at the same level for proper clapper action.  
  
Vertical - Valve should be installed with the clapper seat down. Flow will be up.
3. Clean all connections prior to assembly. The valve should be supported to eliminate strain and fatigue on the end connections.
4. All Tulsa Valve check valves have been tested to API requirements prior to shipment. The maximum working pressure of the valve should never be exceeded in service.
5. Tulsa Valve check valves are designed to withstand temperatures of 300 degrees F or 177 degrees C. If operating temperatures exceed these limits contact the factory or your field representative for recommendations.

### Inspection:

1. Remove the bonnet cover.
2. Remove clapper assembly by lifting out of hanger section of valve.

3. Inspect seals and o-rings for tears, foreign matter or other signs of failure.
4. Inspect clapper shaft bearings to insure free rolling operation.
5. Inspect the clapper face, the seat face and the hanger section for excessive wear or deformation.
6. Re-Assemble the valve in the reverse order of dis-assembly.

### Maintenance:

Due to simplicity of design “Tulsa Valve” check valves require minimum maintenance.

#### Recommended spare parts consist of the following:

1. 1 Each clapper disc.
2. 1 Each clapper seal.
3. 2 Each stainless steel clapper shaft bushings.
4. 1 Each bonnet (cover) seal.

#### When ordering spare parts please specify the following:

1. Valve size.
2. Pressure class or PSI rating.
3. Valve body material.
4. Type of service.

# Flanged Check Valves



Tulsa Valve is an oil field and industrial valve manufacturer. Tulsa Valve Products are made of the highest quality materials and workmanship. We test every valve to the appropriate standards and maintain material and product traceability on all valves. Our valves are designed to meet the customers best expectations and we pride ourselves on our ability to meet these expectations.

**Products we manufacture:** Ball Check Valves, Threaded Swing Check Valves, Shut-off Pig Valves, By-pass Pig Valves, Casing Ball Valves, and Flanged Check Valves.

*Tulsa Valve is a member of Array Holdings, a group of affiliated companies proudly serving the domestic and international energy industry.*

## Terms and Conditions

**Warranty:** Tulsa Valve products are guaranteed against defects of material workmanship for One (1) Year from date of invoice provided such products are used normally and within the service and pressure range for which they were manufactured. This guarantee is limited to the repair, replacement or repayment of purchase price. Under no conditions will Tulsa Valve be liable for claim of labor for removal, repair or replacement of Tulsa Valve products, or any other consequential damage.

**Cancellation:** Firm orders which have been accepted and entered are not cancellable except by written authorization from Tulsa Valve, unused material may be returned upon written consent from Tulsa Valve and credit will be issued only on material returned within one year from date of purchase. Tulsa Valve reserves the right to deduct reconditioning and handling charges when issuing credit for returned material. Credit may be used only for the purchase of merchandise and is not subject to cash reimbursement or cash payments.



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