

TOM WHEATLEY Distributed Check Valves

Fire-Tested Carbon Steel Flanged End Check Valves

TECHNOLOGY



TOM WHEATLEY Distributed Check Valves



Oklahoma City,
Okla., USA

Cameron is a leading provider of valves, valve automation, and measurement systems to the oil and gas industry. Our products are primarily used to control, direct, and measure the flow of oil and gas as it is moved to refineries, petrochemical plants, and industrial centers for processing.

We provide valve products that are sold through distributor networks worldwide for use in both oil and gas and industrial applications, and include such widely recognized brands as DEMCO®, NAVCO®, NEWCO®, NUTRON®, THORNHILL CRAVER®, TECHNO™, TOM WHEATLEY®, WHEATLEY® and WKM®.

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TOM WHEATLEY DISTRIBUTED CHECK VALVES

Fire-Tested Carbon Steel Flanged End Check Valves

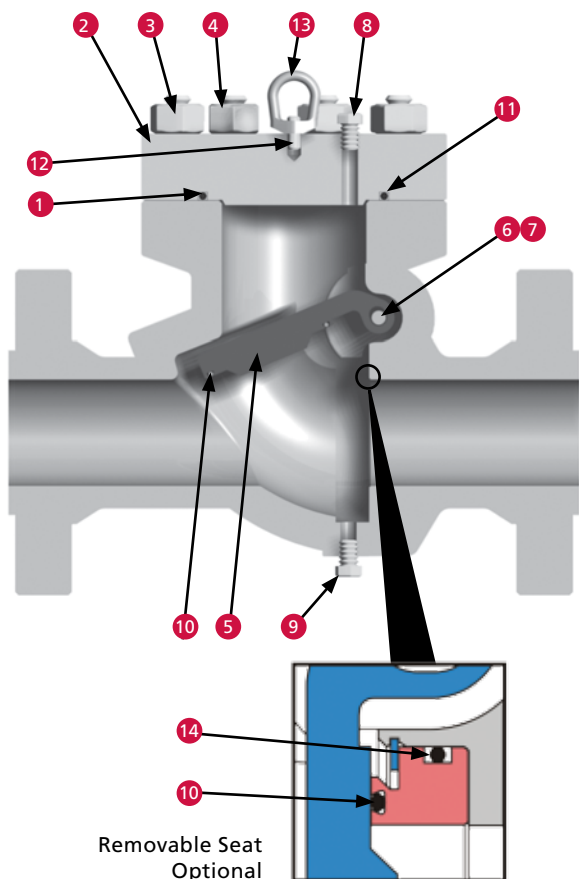
API 6D

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TOM WHEATLEY Distributed Check Valves

FIRED-TESTED CARBON STEEL FLANGED END CHECK VALVES

API 6D



Removable Seat
Optional

Features

- 316 stainless steel trim is compatible with a broad range of media and operating conditions
- Full-open, through-conduit design for low pressure drop and less turbulence (allowing valves to easily pass pigs and spheres)
- FKM seals are compatible with a broad range of media and operating conditions
- Seals provide a bubble-tight shutoff
- Suitable for vertical flow up or horizontal installation
- All materials conform to NACE MR0175/ISO 15156
- Cast on flanges provides greater valve body integrity and fewer leak points
- API 6D monogram (510/511 only)
- Designed in accordance with ASME B16.34
- Valve is fire-tested to API 6FD requirements, except for 1" (25 DN) valve
- Flanges are back-faced, an extra manufacturing step that provides smoother bolting surfaces and even bolt loading
- Bolted top entry, complete with 1/2" (12.7 DN) NPT cover tap for gauges and accessories, except for 1" (25 DN) size
- In-line repairable
- Through-pin clapper shaft makes clapper removal easier, and extends valve life by transferring wear and tear to an inexpensive replaceable part

Materials List

Item	Part	Standard Trim API 6D -20° F to 350° F (-29° C to 177° C)
1	Body	ASTM A216 Gr. WCC
2	Cover	ASTM A216 Gr. WCC
3	Studs	ASTM A193 Gr. B7
4	Nuts	ASTM A194 Gr. 2H
5	Clapper	ASTM A351 Gr. CF8M
6	Clapper Pin	ASTM A479 Gr. 316 SS
7	Pin Plug	ASTM A105
8	Vent Plug	ASTM A105
*9	Drain Plug	ASTM A105
10	Clapper/Seat O-ring	FKM
11	Cover O-ring	FKM
**12	Stud	ASTM A193 B7M
**13	Eyebolt	Forged Steel
14	Removable Seat O-ring	FKM

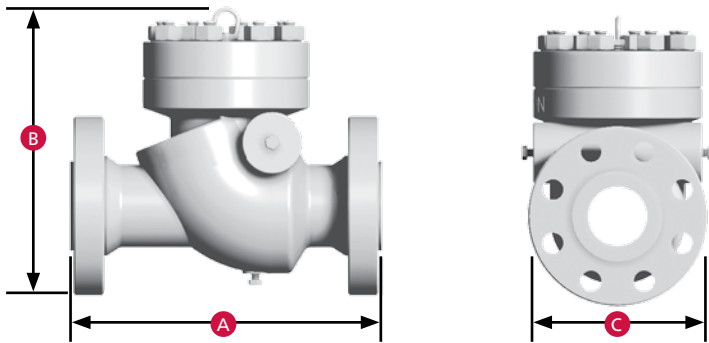
* Use on 4" (100 DN) and larger.

** Items 12 and 13 are only available on 4" (100 DN) bore size ASME Class 900 and larger.

We reserve the right to change materials and specifications.

API 6D (CONT.)

Raised-Faced or Ring-Type Joint Flanged Bolted Cover



Note: Dimensions are for estimating purposes only. For critical applications, please contact Cameron for certified drawings.

ASME Class and Dimensions

Valve Size		ASME Working			in. (mm)								Weight	
in.	(DN)	Class	Pressure (psi)	(PN)	A				B		C		lb	(kg)
					RF		RTJ							
1	(25)	150	275	(20)	7.75	(197)	8.25	(210)	5.44	(138)	4.25	(108)	15	(6.5)
		300	720	(50)	8	(203)	8.5	(216)	5.44	(138)	4.88	(124)	15	(6.5)
		600	1440	(100)	8.5	(216)	8.5	(216)	5.44	(138)	4.88	(124)	17	(7.5)
		900	2160	(150)	10	(254)	10	(254)	7.00	(178)	5.88	(149)	17	(7.5)
		1500	3600	(250)	10	(254)	10	(254)	7.00	(178)	5.88	(149)	20	(9)
2	(50)	150	275	(20)	8	(203)	8.5	(216)	8.38	(213)	6	(152)	32	(14)
		300	720	(50)	10.5	(267)	11.13	(283)	8.88	(226)	6.5	(165)	45	(20)
		600	1440	(100)	11.5	(292)	11.63	(296)	9.31	(236)	6.5	(165)	60	(27)
		900	2160	(150)	14.5	(371)	14.63	(372)	11.45	(291)	8.5	(216)	102	(46)
		1500	3600	(250)	14.5	(371)	14.63	(372)	11.45	(291)	8.5	(216)	102	(46)
3	(80)	150	275	(20)	9.5	(241)	10	(254)	10.64	(270)	7.5	(190)	60	(27)
		300	720	(50)	12.5	(318)	13.13	(334)	11.4	(290)	8.25	(210)	92	(42)
		600	1440	(100)	14	(356)	14.13	(359)	11.83	(300)	8.25	(210)	105	(47)
		900	2160	(150)	15	(381)	15.13	(384)	12.65	(384)	9.5	(241)	144	(65)
		1500	3600	(250)	18.5	(470)	18.63	(473)	15.47	(393)	10.5	(267)	244	(110)
4	(100)	150	275	(20)	11.5	(292)	12	(305)	12.25	(311)	9	(229)	95	(43)
		300	720	(50)	14	(356)	14.63	(372)	13.18	(335)	10	(254)	138	(62)
		600	1440	(100)	17	(432)	17.13	(435)	14.03	(356)	10.75	(273)	192	(87)
		900	2160	(150)	18	(457)	18.13	(461)	16.75	(425)	11.5	(292)	248	(112)
		1500	3600	(250)	21.5	(546)	21.63	(550)	19.73	(501)	12.25	(311)	447	(203)
6	(150)	150	275	(20)	14	(356)	14.5	(368)	16.5	(419)	11	(279)	166	(75)
		300	720	(50)	17.5	(445)	18.13	(461)	16.65	(423)	12.5	(318)	264	(119)
		600	1440	(100)	22	(559)	22.13	(562)	19	(483)	14	(356)	368	(167)
		900	2160	(150)	24	(610)	24.13	(613)	23.2	(589)	15	(381)	568	(257)
		1500	3600	(250)	27.75	(711)	28	(712)	23.35	(593)	15.5	(394)	760	(344)
8	(200)	150	275	(20)	19.5	(495)	20	(508)	20.35	(517)	13.5	(343)	359	(162)
		300	720	(50)	21	(533)	21.63	(550)	22.6	(574)	15	(381)	471	(213)
		600	1440	(100)	26	(660)	26.13	(664)	23.75	(603)	16.5	(419)	642	(291)
		900	2160	(150)	29	(737)	29.13	(740)	25.95	(659)	18.5	(470)	825	(374)
10	(250)	150	275	(20)	24.5	(622)	25	(635)	23.5	(597)	16	(406)	492	(223)
		300	720	(50)	24.5	(622)	25.13	(639)	24.95	(634)	17.5	(445)	660	(299)
		600	1440	(100)	31	(787)	31.13	(791)	28.2	(716)	20	(508)	1052	(477)
		900	2160	(150)	33	(839)	33.13	(842)	30.00	(762)	21.5	(546)	1260	(571)
12	(300)	150	275	(20)	27.5	(699)	28	(712)	26.3	(668)	19	(483)	656	(297)
		300	720	(50)	28	(711)	28.63	(728)	27.95	(710)	20.5	(521)	945	(428)
		600	1440	(100)	33	(838)	33.13	(842)	30.9	(785)	22	(559)	1405	(637)
		900	2160	(150)	38	(966)	38.13	(969)	34.13	(867)	24	(610)	1775	(805)

ORDERING INFORMATION

TOM WHEATLEY Distributed Check Valves

Integral Seat RF X RF	
TOM WHEATLEY	Description
9D-510-75138-01	2" 150 RF 55 SV
9D-510-75140-01	2" 300 RF 55 SV2N
9D-510-75142-01	2" 600 RF 55 SV
NUMREQ*	2" 900 RF 55 SVN
9D-510-75146-01	2" 1500 RF 55 SV2N

9D-510-75148-01	3" 150 RF 55 SV
9D-510-79921-01	3" 300 RF 55 SV2N
9D-510-75152-01	3" 600 RF 55 SV
9D-510-75154-01	3" 900 RF 55 SV2N
NUMREQ*	3" 1500 RF 55 SV2N

9D-510-75158-01	4" 150 RF 55 SV
9D-510-75160-01	4" 300 RF 55 SV2N
9D-510-75162-01	4" 600 RF 55 SV
9D-510-75164-01	4" 900 RF 55 SV2N
9D-510-75166-01	4" 1500 RF 55 SV2N

9D-510-75168-01	6" 150 RF 55 SV2N
9D-510-75170-01	6" 300 RF 55 SV2N
9D-510-75172-01	6" 600 RF 55 SV
9D-510-78544-01	6" 900 RF 55 SV2N
NUMREQ*	6" 1500 RF 55 SV2N

9D-510-76765-01	8" 150 RF 55 SV2N
9D-510-76767-01	8" 300 RF 55 SV2N
9D-510-76769-01	8" 600 RF 55 SV
9D-510-76771-01	8" 900 RF 55 SV2N

9D-510-76773-01	10" 150 RF 55 SV2N
9D-510-76775-01	10" 300 RF 55 SV2N
9D-510-76777-01	10" 600 RF 55 SV2N
9D-510-76779-01	10" 900 RF 55 SV2N

9D-510-76781-01	12" 150 RF 55 SV2N
9D-510-76783-01	12" 300 RF 55 SV2N
9D-510-76785-01	12" 600 RF 55 SV
9D-510-76846-01	12" 900 RF 55 SV2N

Integral Seat RTJ X RTJ	
TOM WHEATLEY	Description
N/A	N/A
N/A	N/A
NUMREQ*	2" 600 RTJ 54 SV
NUMREQ*	2" 900 RTJ 54 SVN
9D-510-75008-01	2" 1500 RTJ 54 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	3" 600 RTJ 54 SVN
NUMREQ*	3" 900 RTJ 54 SVN
NUMREQ*	3" 1500 RTJ 54 SVN

N/A	N/A
N/A	N/A
NUMREQ*	4" 600 RTJ 54 SVN
9D-510-75026-01	4" 900 RTJ 54 SV2N
9D-510-75028-01	4" 1500 RTJ 54 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	6" 600 RTJ 54 SV2N
9D-510-78312-01	6" 900 RTJ 54 SV2N
NUMREQ*	6" 1500 RTJ 54 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	8" 600 RTJ 54 SV2N
9D-510-76861-01	8" 900 RTJ 54 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	10" 600 RTJ 54 SV2N
9D-510-76869-01	10" 900 RTJ 54 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	12" 600 RTJ 54 SV2N
9D-510-78552-01	12" 900 RTJ 54 SV2N

* Indicates Order Number not set up. Please Contact your Cameron sales representative.

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Removable Seat RF X RF	
TOM WHEATLEY	Description
9D-511-75184-01	2" 150 RF 1515 SV
9D-511-75186-01	2" 300 RF 1535 SV2N
9D-511-75188-01	2" 600 RF 1565 SV
NUMREQ*	2" 900 RF 1575 SV2N
9D-511-75192-01	2" 1500 RF 1585 SV2N

Removable Seat RTJ X RTJ	
TOM WHEATLEY	Description
N/A	N/A
N/A	N/A
NUMREQ*	2" 600 RTJ 1564 SV
NUMREQ*	2" 900 RTJ 1574 SVN
9D-511-75054-01	2" 1500 RTJ 1574 SV2N

9D-511-75194-01	3" 150 RF 1515 SV
9D-511-75196-01	3" 300 RF 1535 SV2N
9D-511-75198-01	3" 600 RF 1565 SV
9D-511-75200-01	3" 900 RF 1575 SV2N
NUMREQ*	3" 1500 RF 1585 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	3" 600 RTJ 1564 SVN
9D-511-75062-01	3" 900 RTJ 1574 SVN
NUMREQ*	3" 1500 RTJ 1584 SVN

9D-511-75204-01	4" 150 RF 1515 SV
9D-511-75206-01	4" 300 RF 1535 SV2N
9D-511-75208-01	4" 600 RF 1565 SV
9D-511-75210-01	4" 900 RF 1575 SV2N
NUMREQ*	4" 1500 RF 1585 SV2N

N/A	N/A
N/A	N/A
9D-511-88718-01	4" 600 RTJ 1564 SVN
9D-511-75072-01	4" 900 RTJ 1574 SV2N
9D-511-75028-01	4" 1500 RTJ 1584 SV2N

9D-511-75214-01	6" 150 RF 1515 SV2N
9D-511-75216-01	6" 300 RF 1535 SV2N
9D-511-75218-01	6" 600 RF 1565 SV
9D-511-78905-01	6" 900 RF 1575 SV2N
NUMREQ*	6" 1500 RF 1585 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	6" 600 RTJ 1564 SV2N
9D-511-78578-01	6" 900 RTJ 1574 SV2N
9D-511-72370-01	6" 1500 RTJ 1584 SV2N

9D-511-76789-01	8" 150 RF 1515 SV2N
9D-511-76791-01	8" 300 RF 1535 SV2N
9D-511-76793-01	8" 600 RF 1565 SV
9D-511-76795-01	8" 900 RF 1675 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	8" 600 RTJ 1564 SV2N
9D-511-76885-01	8" 900 RTJ 1574 SV2N

9D-511-70393-01	10" 150 RF 1515 SV2N
NUMREQ*	10" 300 RF 1535 SV2N
NUMREQ*	10" 600 RF 1565 SV2N
NUMREQ*	10" 900 RF 1575 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	10" 600 RTJ 1564 SV2N
9D-511-76869-01	10" 900 RTJ 1574 SV2N

9D-511-76804-01	12" 150 RF 1515 SV2N
NUMREQ*	12" 300 RF 1535 SV2N
9D-511-76808-01	12" 600 RF 1565 SV
NUMREQ*	12" 900 RF 1575 SV2N

N/A	N/A
N/A	N/A
NUMREQ*	12" 600 RTJ 1564 SV2N
NUMREQ*	12" 900 RTJ 1574 SV2N

* Indicates Order Number not set up. Please Contact your Cameron sales representative.

Although checked for accuracy at the time of printing, Cameron's commitment of continuous improvement and innovation may have resulted in product enhancements or modifications not currently shown.

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Learn more about TOM WHEATLEY and WHEATLEY check valves at:
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HSE Policy Statement

At Cameron, we are committed ethically, financially and personally to a working environment where no one gets hurt and nothing gets harmed.