



VALVES INDUSTRIES

CAST STEEL VALVES

GATE, GLOBE & CHECK





We manufacture high-quality valves for a wide range of users in the process and chemical industries, as well as refineries.

OUR MISION

As we believe in success, "Fit to Use" is the word VDK Valve Industries has coined and leaped to their esteemed customers. Success primarily depends on customer satisfaction in turn quality of product and service rendered. Last, VDK Valve Industries is committed to serving society with all assurance of sustainable development by adhering to our Quality Policy, Quality Objectives, and Environment, Health, and Safety Policy. To be globally recognized in our forte valve markets for engineering excellence, exceptional customer service, and the best-performing products.

OUR VISION

VDK Valve Industries has a wide range of superior-quality valves. The company was established by Diwakar Kale and Sapana Kale, a well-experienced person in valve pattern design, casting, and machining, interested in R&D and the tradition of generating innovative solutions for the application of oil & gas distribution networks, power plant systems, fire protection, mining systems, starch & petrochemical plants, and farming irrigation systems. Our company is characterized by an in-depth knowledge of the markets and a broad range of products.



Gate Valve

150# / 300# / 600# / 900# / 1500#



Size : 2" (50 mm) to 36" (900 mm)
 Class : 150# / 300# / 600# / 900# / 1500#
 End : Flanged End to ASME B16.5 RF
 Butt Weld Ends to ASME B16.25
 Design / Mfg. : API 600 / API 603/ BS 1414
 Std. Face to face : ASME B16.10
 Inspection & Testing Std. : API 598 *Special Material &
 Higher Size/Class Valves also available on request.

TEST PRESSURE				
TESTING	HYDEAULIC			PNUMATIC
	150# 450	C 300# 1125	600# 2175	-
BODY	PSIG 325	PSIG 825	PSIG 1600	-
BACK SEAT	PSIG 325	PSIG 825	PSIG 1600	-
SEAT	PSIG 80	PSIG 80	PSIG	80 PSIG
AIR	PSIG	PSIG		

@ 150#													
SIZE	PORT	L	L1	H	H1	ØWH	ØH	b	Og	f	Oj	N	K:Pcd.
50	51	178	216	302	360	200	150	16.3	92.1	2.0	19.1	4	120.7
65	64	190	241	355	425	200	180	17.9	104.8	2.0	19.1	4	139.7
80	76	203	281	390	470	200	190	19.5	127.0	2.0	19.1	4	152.4
100	102	229	305	468	577	250	230	24.3	157.2	2.0	19.1	8	190.5
125	127	254	381	550	685	250	255	24.3	185.7	2.0	22.2	8	215.9
150	152	267	403	630	790	300	280	25.9	215.9	2.0	22.2	8	241.3
200	203	292	419	800	1013	350	345	29.0	269.9	2.0	22.2	8	298.5
250	254	330	457	950	1215	400	405	30.6	323.8	2.0	25.4	12	362.0
300	305	356	502	1110	1425	400	485	32.2	381.0	2.0	25.4	12	431.8
350	337	381	572	1140	1500	550	535	35.4	412.8	2.0	28.6	12	476.3
400	387	406	610	1365	1755	550	595	37.0	469.9	2.0	28.6	16	539.8
450	438	432	660	1540	2000	600	635	40.1	533.4	2.0	31.8	16	577.9
500	489	457	711	1690	2210	600	700	43.3	584.2	2.0	31.8	20	635.0
600	590	508	813	2100	2725	650	815	48.1	692.2	2.0	34.9	20	749.0

Globe Valve

150# / 300# / 600# / 900# / 1500#



Size : 2" (50 mm) to 16" (400 mm)
 Class : 150# / 300# / 600# / 900# / 1500#
 End : Flanged End to ASME B16.5 RF
 Butt Weld Ends to ASME B16.25
 Design : BS 1873
 Face to face : ASME B 16.10
 Inspection & Testing Std. : API 598
 *Special Material & Higher Size/Class Valves are also
 available on request.

TEST PRESSURE				
TESTING	HYDEAULIC			PNUMATIC
	150#	300#	600#	-
BODY	425 PSIG	1100 PSIG	2175 PSIG	-
BACK SEAT	300 PSIG	800 PSIG	1600 PSIG	-
SEAT	300 PSIG	800 PSIG	1600 PSIG	80 PSIG

@ 150#													
SIZE	PORT	L	L1	H	H1	ØWH	Ø	B	ØG	I	Ø	N	KPCD
50	51	203	203	270	290	200	150	16.3	92.1	2	19.1	4	120.7
55	54	216	216	298	320	250	180	17.9	104.8	2	19.1	4	139.7
30	76	241	241	318	343	250	190	19.5	127	2	19.1	4	152.4
100	102	292	292	378	410	300	230	24.3	157.2	2	19.1	8	190.5
125	127	356	356	390	430	350	255	24.3	185.7	20	22.2	8	215.9
150	152	406	406	435	480	400	280	25.9	215.9	20	22.2	8	241.3
200	203	495	495	523	582	500	345	29	269.9	20	22.2	8	298.5
250	254	622	622	627	700	500	405	30.6	323.8	20	25.4	12	362
300	305	698	698	740	825	500	485	32.2	381	20	25.4	12	431.8

SIZE	PORT	L	L1	Ø	B	ØG AND	F	Ø	N	K:POD
350	337	787	787	535	35.4	412.8	2	28.6	12	476.3
400	387	914	914	595	37	469.9	2	28.6	16	539.8

Swing Check Valve

150# / 300# / 600# / 900# / 1500#



Size Class : 2" (50 mm) to 36" (900 mm)
 End : 150# / 300# / 600# / 900# / 1500#
 Design : Flanged End to ASME B16.5 RF
 Face to : BS 1868 / API 6D
 face : ASME 816.10

Inspection & Testing Std. : API 6D / API 598 / BSEN 12266PI *Special Material & Higher Size also available on request.

TEST PRESSURE				
TESTING	HYDEAULIC			PNUMATIC
	150#	300#	600#	
BODY	450 PSIG	1115 PSIG	2225 PSIG	80 PSIG
BACK SEAT	315 PSIG	825 PSIG	1630 PSIG	80 PSIG
SEAT	315 PSIG	825 PSIG	1630 PSIG	80 PSIG

@ 150#

SIZE	PORT	L	L1	H	OD	b	0g	f	OJ	N	K:PCD
50	51	203	203	130	150	16.3	92.1	2	19.1	4	120.7
65	64	216	216	140	180	17.9	104.8	2	19.1	4	139.7
80	76	241	241	162	190	19.5	127	2	19.1	4	152.4
100	102	292	292	187	230	24.3	157.2	2	19.1	8	190.5
125	127	330	330	217	255	24.3	185.7	2	22.2	8	215.9
150	152	356	356	235	280	25.9	215.9	2	22.2	8	241.3
200	203	495	395	295	345	29	269.9	2	22.2	8	298.5
250	254	622	622	338	405	30.6	323.8	2	25.4	12	362
300	305	698	698	380	485	32.2	381	2	25.4	12	431.8
350	337	787	787	415	535	35.4	412.8	2	28.6	12	476.3
400	387	864	864	455	595	37	469.9	2	28.6	16	539.8
450	438	978	978	505	635	40.1	533.4	2	31.8	16	577.9
500	789	978	978	560	700	43.3	584.2	2	31.8	20	635
600	590	1295	1295	615	815	48.1	692.2	2	34.9	20	749

SIZE	PORT	L	OD	b	0g	F	Oj	N	K:PCd.
650	650	1295	785	41.8	711	2	22.2	36	744.5
700	700	1448	835	45	762	2	22.2	40	795.3
750	750	1524	885	45	813	2	22.2	44	846.1
900	900	1956	1055	52.9	972	2	25.4	44	1009.6

Note: Flanged ends to ASME B16,47 series B, 26" & above valve

"Y" STRAINER

PN 16 / PN 25 / PN 40 / 150# / 300#



Size : 1/2" (15 mm) to 2" (50 mm) - Threaded End 2" (50 mm) to 24" (600 mm) - Flanged End
 Class : 150# / 300# / 600# / 900# / PN16 / PN25 / PN40
 End : Flanged / Threaded / Socket Weld Ends
 Design : Mfg. Standard
 Features : Stainer Screens - Perforeted + Wire mesh

*Special Material & Higher Size also available on request.

TEST PRESSURE, Kg/sq. cm.				
TESTING	HYDRAULIC			
	PN 16	PN 40	150#	300#
BODY	24	60	31	78

SIZE	PORT	L	H	H1	ØWH	OD	B	OG	F	OJ	N	K:PCD
50	51	230	-	-	200	165	20	102	3	18	4	125
65	64	290	-	-	250	185	22	122	3	18	8	145
80	76	310	-	-	250	200	24	138	3	18	8	160
100	102	350	-	-	350	235	24	162	3	22	8	190
150	152	480	-	-	400	300	28	218	3	26	8	250
200	203	600	-	-	480	375	34	285	3	30	12	320
250	254	730	-	-	480	450	38	345	3	33	12	385
300	305	850	-	-	600	515	42	410	3	33	16	450
350	337	980	-	-	-	580	54	465	4	36	16	510
400	387	1100	-	-	-	660	60	535	4	39	16	585
450	438	1200	-	-	-	685	66	560	4	39	20	610
500	489	1250	-	-	-	755	72	615	4	42	20	670
600	590	1450	-	-	-	890	84	735	5	48	20	795

Center Disc Design Butterfly Valve



(A) Center Disc Butterfly Valve

Size : 2" (50 mm) to 36" (1200 mm)
 Class : PN 16 upto 12" and above PN 10
 End : Wafer Type / Lug Type / Flange Ends
 Design : API-609 - Category : A
 Seat : Moulded Seat as NBR / EPDM / SILICON / VITON / PTFE
 Operation : Lever / Gear / Actuator / Electric Operated

*Special Material & Higher Size also available on request.

SIZE	VALVE DIMENSION									TOP	PLATE	
	A	B	C	D	F	G	H	KEY WAY	Q	PQD	N	
40	40	77	85	34	37.7	12.7	8	-	22	70	4	9
50	50	95	100	43	31.7	14.2	9.5	-	26	70	4	9
65	65	117	115	46	31.7	14.2	9.5	-	47	70	4	9
80	75	125	125	46	31.7	14.2	9.5	-	60	70	4	9
100	100	160	150	53	31.7	15.9	11	-	85	70	4	9
125	125	182	155	56	31.7	15.9	11	-	113	70	4	9
150	152	210	170	56	31.7	19	12.7	-	144	102	4	11
200	203	265	205	61	31.7	22.2	18.5	-	195	102	4	11
250	252	325	255	69	50	28.6	-	6.3X6.3	245	125	4	11
300	300	366	275	78	50	28.6	-	6.3X6.3	313	125	4	11
350	337	438	305	78	65	35	-	7.9X7.9	330	140	4	18
400	387	490	335	102	65	41.2	-	9.5X9.5	376	140	4	18
450	438	539	368	114	65	47.6	-	12.7X9.5	425	140	4	18
500	489	595	400	127	65	47.6	-	12.7X9.5	475	140	4	18
600	587	696	495	154	75	47.6	-	12.7X9.5	570	165	4	18

(B) Offset Disc Butterfly Valve

Size : 2" (50 mm) to 36" (900 mm)
 Class : PN 10/PN 16
 End : Wafer Type / Lug Type / Flange Ends
 Design : API-609 - Category : B / AWWA C504
 Seat : Moulded Seat Lip Seal Design
 NBR / EPDM / SILICON / VITON etc.
 Operation : Lever / Gear / Actuator / Electric Operated

Forged Steel Lift Check Valve 800# / 1500# / 2500#



Size : 1/2" (15 mm) to 2" (50 mm)
 Class : 800# / 1500# / 2500#
 End : Threaded / Socket Weld / Butt Weld Ends
 Design : API-602 / BS 5352 / B16.11 / B16.25
 Features : Bolted / Seal Welded Cover

Inspection & Testing Std. : API 598

*Special Material & Higher Size also available on request.

TEST PRESSURE				
TESTING	HYDRAULIC			PNEUMATIC
	800#	1500#	2500#	
BODY	3000 PSIG	5400 PSIG	9060 PSIG	-
SEAT	2200 PSIG	4075 PSIG	6800 PSIG	80 PSIG

@800#

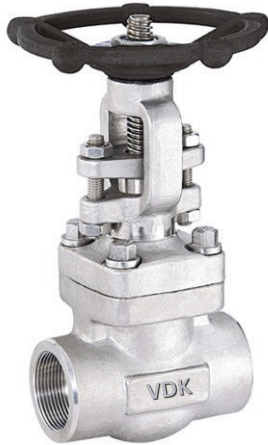
SIZE	L	H	SCR. ENDS		SW. ENDS		
			ØC	E	ØD		
					Max.	Min.	F (Min.)
15	85	55	1/2"	13.56	22.22	21.72	9.65
20	92	60	3/4"	13.87	27.56	27.05	12.7
25	105	72	1"	17.35	34.29	33.78	12.7
40	127	95	1.1/2"	18.38	49.15	48.64	12.7
50	140	100	2"	19.23	61.62	61.11	15.75

@1500#

SIZE	L	H	SCR. ENDS		SW. ENDS		
			ØC	E	ØD		
					Max.	Min.	F (Min.)
15	92	60	1/2"	13.56	22.22	21.72	9.65
20	105	72	3/4"	13.87	27.56	27.05	12.7
25	127	95	1"	17.35	34.29	33.78	12.7
40	140	100	1.1/2"	18.38	49.15	48.64	12.7

Forged Steel Gate Valve

800# / 1500# / 2500#



Size : 1/2" (15 mm) to 0.2" (50 mm)
 Class : 800# / 1500# / 2500#
 End : Threaded / Socket Weld / Butt Weld Ends
 Design : API 602/BS 5352 / B 16.11 / B 16.25
 Features : Bolted / Welded Bonnet
 *Special Material & Higher Size also available on request.

TEST PRESSURE				
TESTING	HYDRAULIC			PNEUMATIC
	800#	1500#	2500#	
BODY	3000 PSIG	5400 PSIG	9060 PSIG	-
BACK SEAT	2200 PSIG	4075 PSIG	6800 PSIG	-
SEAT	2200 PSIG	4075 PSIG	6800 PSIG	80 PSIG

@800#

SIZE	L	H	H1	ØWH	SCR.ENDS		SW.ENDS		
					ØC	E	ØD		
							Max.	Min.	F(Min.)
15	85	152	165	90	1/2"	13.56	22.22	21.72	9.65
20	92	161	176	90	3/4"	13.87	27.56	27.05	12.7
25	105	175	198	90	1"	17.35	34.29	33.78	12.7
40	127	240	278	145	1.1/2"	18.38	49.15	48.64	12.7
50	140	255	298	145	2"	19.23	61.62	61.11	15.75

@1500#

SIZE	L	H	H1	ØWH	SCR.ENDS		SW.ENDS		
					ØC	E	ØD		
							Max.	Min.	F(Min.)
15	92	161	176	90	1/2"	13.56	22.22	21.72	9.65
20	105	175	198	90	3/4"	13.87	27.56	27.05	12.7
25	127	240	278	145	1"	17.35	34.29	33.78	12.7
40	140	255	298	145	1.1/2"	18.38	49.15	48.64	12.7

Forged Steel Globe Valve

800# / 1500# / 2500#



Size : 1/2" (15 mm) to 0.2" (50 mm)
 Class : 800# / 1500# / 2500#
 End : Threaded / Socket Weld / Butt Weld Ends
 Design : API 602/BS 5352 / B 16.11 / B 16.25
 Features : Bolted / Welded Bonnet
 *Special Material & Higher Size also available on request.

TEST PRESSURE				
TESTING	HYDRAULIC			PNEUMATIC
	800#	1500#	2500#	
BODY	3000 PSIG	5400 PSIG	9060 PSIG	-
BACK SEAT	2200 PSIG	4075 PSIG	6800 PSIG	-
SEAT	2200 PSIG	4075 PSIG	6800 PSIG	80 PSIG

@800#

SIZE	L	H	H1	ØWH	SCR.ENDS		SW.ENDS		
					ØC	E	ØD		
							Max.	Min.	F(Min.)
15	85	162	170	90	1/2"	13.56	22.22	21.72	9.65
20	92	170	180	90	3/4"	13.87	27.56	27.05	12.7
25	105	190	202	90	1"	17.35	34.29	33.78	12.7
40	127	243	260	145	1.1/2"	18.38	49.15	48.64	12.7
50	140	255	272	145	2"	19.23	61.62	61.11	15.75

@1500#

SIZE	L	H	H1	ØWH	SCR.ENDS		SW.ENDS		
					ØC	E	ØD		
							Max.	Min.	F(Min.)
15	92	170	180	90	1/2"	13.56	22.22	21.72	9.65
20	105	190	202	90	3/4"	13.87	27.56	27.05	12.7
25	127	243	260	145	1"	17.35	34.29	33.78	12.7
40	140	255	272	145	1.1/2"	18.38	49.15	48.64	12.7

API 6D Short Pattern Single Plate Wafer Check Valve



ISO PN 20 / ASME 150 CLASS

	50	65	80	100	150	200	250	300	350	400	450	500
A	30	38	52	72	114	157	195	230	270	310	360	406
B	19	19	19	19	19	29	29	38	44	51	60	64
C	104.5	120	133	171	219	276	337	406	446	508	542	598

Parameter : Compliance to
 Design : API 6D / API 594
 Pressure Temperature Rating : ASME B 16.34
 Face to Face / End to End : API 6D
 End Connection Dimensions : Wafer to suit PN 20
 (ASME 150 Class), PN 50
 (ASME 300 Class),
 PN 100 (ASME 600 Class)
 Inspection & Testing : API 598

API 6D Long Pattern Dual Plate Check Valve



ISO PN 20 / ASME 150 CLASS

	50	55	80	100	150	200	250	300	350	400	450	500
A	101	120	133	171	218	276	336	406	447	511	546	603
B	60	67	67	73	98	127	146	181	184	191	203	219
C	60	73	89	114	168	219	273	324	356	406	457	508

Parameter : Compliance to
 Design : API 6D / API 594
 Pressure Temperature Rating : ASME B 16.34
 Face to Face / End to End : API 594
 End Connection Dimensions : Wafer to suit PN 20
 (ASME 150 Class),
 PN 50 (ASME 300 Class),
 PN 100 (ASME 600 Class)
 Inspection & Testing : API 598 / BS 6755 PART I

OUR PRODUCT RANGE

- Gate Valve - 150# / 300# / 600# / 900# / 1500#
- ASA Globe Valve - 150# / 300# / 600# / 900# / 1500#
- Swing Check Valve - 150# / 300# / 600# / 900# / 1500# "Y" STRAINER - PN 16 / PN 25 / PN 40 / 150# / 300#
- Center Disc Design Butterfly Valve
- Forged Steel Lift Check Valve - 800# / 1500# / 2500#
- Foeged Steel Gate Valve - 800# / 1500# / 2500# Forged Steel Globe Valve - 800# / 1500# / 2500#
- AI 6D Short Pattern - Single Plate Wafer Check Valve API 6D Long Pattern Dual Plate Check Valve



VALVES INDUSTRIES



MORE INFORMATION

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