



PERFORMANCE | RELIABILITY | TRUST



WATER SUPPLY



INDUSTRIAL



FIRE FIGHTING



HVAC



DRAINAGE

PRODUCT CATALOGUE

COMPLETE VALVE SOLUTIONS FOR
EVERY INDUSTRY



CE Marked



ISO 9001:2015



UKCA



ATEX



SIL Compliant



PREMIUM
QUALITY



ENGINEERED
PERFORMANCE



TRUSTED
PARTNER



GLOBAL
SUPPLY



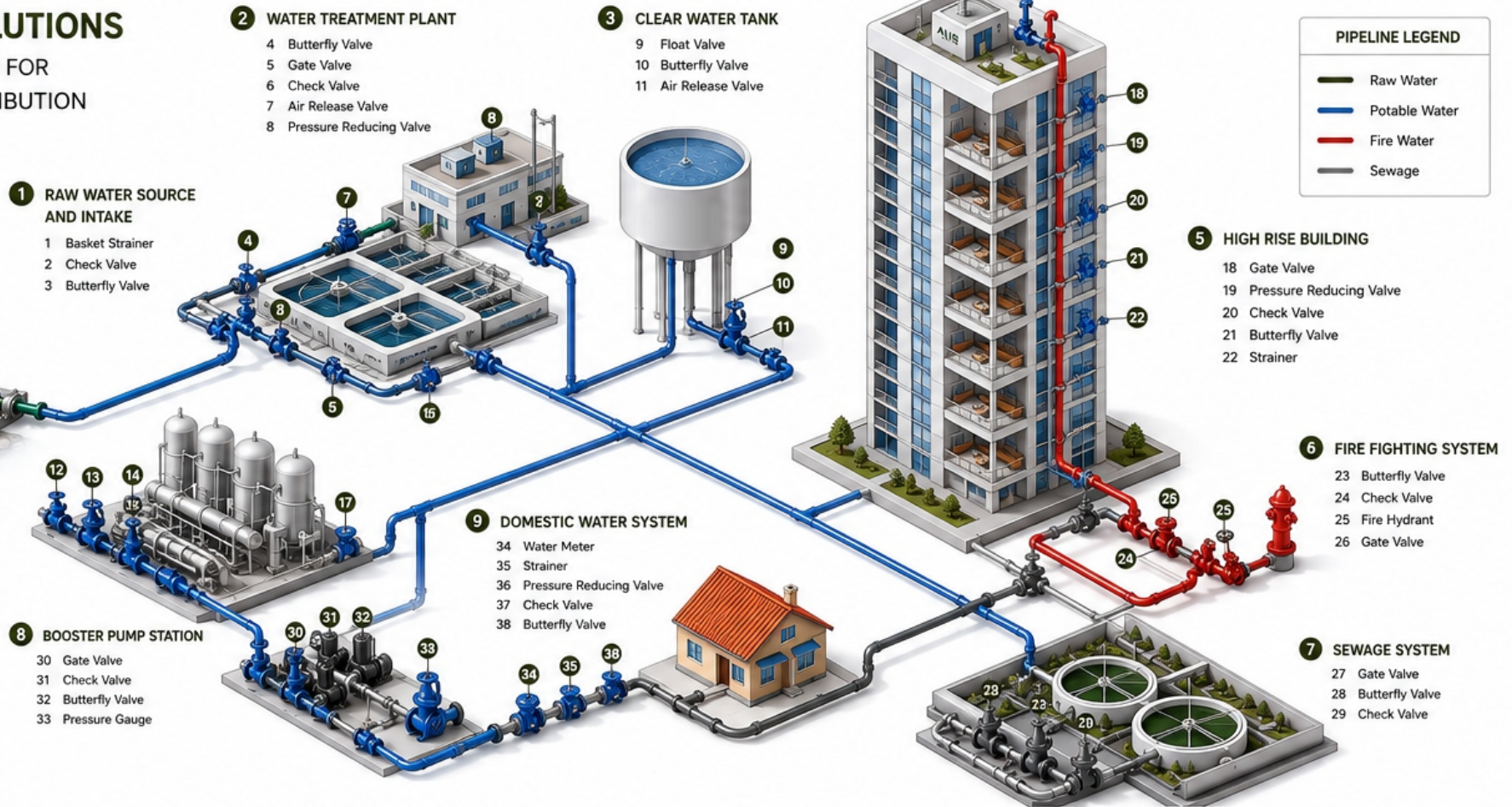
ENGINEERED TO CONTROL. BUILT TO LAST.

EDITION 2024

WATER SYSTEM SOLUTIONS

COMPLETE VALVE SOLUTIONS FOR EVERY STEP OF WATER DISTRIBUTION

ALIS Valves offer a complete range of high-quality valves for water supply, water treatment, industrial processes, HVAC systems, fire protection and drainage applications.



ALIS VALVE SOLUTIONS



APPLICATIONS



PRODUCT DISPLAY



ELECTRIC GROOVED
GATE VALVE



GROOVED NON-RISING
STEM HARD SEALING
GATE VALVE



GROOVED RISING
STEM HARD SEALING
GATE VALVE



GROOVED LOCKABLE
GATE VALVE



FIRE PROTECTION
SIGNAL GATE VALVE



GROOVED RISING STEM
SIGNAL HARD SEALING
GATE VALVE



GROOVED RISING STEM
SIGNAL SOFT SEALING
GATE VALVE



NATIONAL STANDARD
GROOVED NON-RISING STEM
SOFT SEALING GATE VALVE



DN50-DN1000
(QT450-BALL VALVE)
DN50-DN1000
(QT450-ELECTRIC GATE VALVE)

PRODUCT DISPLAY



FLANGED NON-RISING STEM
HARD SEALING GATE VALVE



FLANGED NON-RISING STEM
SOFT SEALING GATE VALVE



FLANGED NON-RISING STEM
SIGNAL SOFT SEALING
GATE VALVE



NON-RISING STEM
SOFT SEALING GATE VALVE
WITH INDICATOR



FLANGED RISING STEM
SOFT SEALING GATE VALVE



FLANGED RISING STEM
SIGNAL SOFT SEALING
GATE VALVE



FLANGED LOCKABLE
SOFT SEALING GATE VALVE



SOCKET
SOFT SEALING GATE VALVE



BURIED
SOCKET GATE VALVE

PRODUCT DISPLAY



GROOVED LEVER
BUTTERFLY VALVE



FIRE PROTECTION HANDLE
SIGNAL BUTTERFLY VALVE



WORM GEAR SIGNAL
BUTTERFLY VALVE



EXPLOSION-PROOF SIGNAL
BUTTERFLY VALVE



ANSI BUTTERFLY VALVE



ELECTRIC
BUTTERFLY VALVE



WORM GEAR WAFER
BUTTERFLY VALVE



GROOVED Y-TYPE
STRAINER



GROOVED SILENT
CHECK VALVE

PRODUCT DISPLAY



WORM GEAR WAFER
BUTTERFLY VALVE



LEVER WAFER
BUTTERFLY VALVE



LEVER FLANGED
BUTTERFLY VALVE



LEVER FLANGED
BUTTERFLY VALVE



D341 WORM GEAR FLANGED
BUTTERFLY VALVE



WORM GEAR WAFER BUTTERFLY
VALVE (GOST STANDARD)



LEVER GROOVED
BUTTERFLY VALVE



FLANGED FOOT VALVE
(WITH STRAINER)



SWING
CHECK VALVE



BUTTERFLY
CHECK VALVE

PRODUCT DISPLAY



RUBBER DISC
SWING CHECK VALVE



FLANGED BALL
CHECK VALVE



100X REMOTE CONTROL
FLOAT VALVE



200X PRESSURE
REDUCING VALVE



300X SLOW CLOSING
CHECK VALVE



400X FLOW
CONTROL VALVE



500X PRESSURE
RELIEF VALVE



600X ELECTRIC
CONTROL VALVE



800X DIFFERENTIAL
PRESSURE BYPASS VALVE

PRODUCT DISPLAY



RVHB/SBZ45X-16
UNDERGROUND RESILIENT
SEATED GATE VALVE
FOR DRINKING WATER



NEW TYPE FLANGED
RUBBER DISC
CHECK VALVE



FLANGED
STRAINER



RVCY/SZ45X-16
UNDERGROUND RESILIENT
SEATED GATE VALVE
FOR DRINKING WATER



RVZM/MZ45X-16
BURIED (TELESCOPIC STEM)
RESILIENT SEATED
GATE VALVE



WUV TYPE
WATER SUPPLY
BURIED (TELESCOPIC STEM)
RESILIENT SEATED
GATE VALVE ASSEMBLY

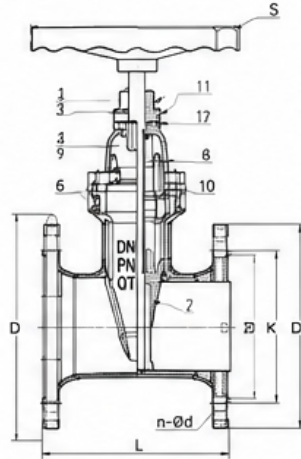


FUV TYPE
FIRE PROTECTION
BURIED (TELESCOPIC STEM)
RESILIENT SEATED
GATE VALVE ASSEMBLY



RHX/Z41X-16
RISING STEM RESILIENT
SEATED GATE VALVE
FOR DRINKING WATER

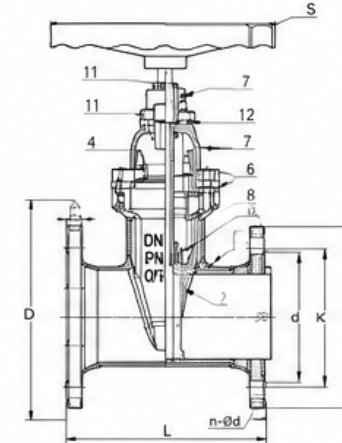
FLANGED NON-RISING STEM SOFT SEALING GATE VALVE (DIN)



NO.	PART NAME	MATERIAL
1	Handwheel	QT450
2	Stem	2Cr13 / EPDM
3	Bonnet	QT450
4	Gasket	QT450 + EPDM
5	Bolt	QT450
6	Bonnet Nut	2Cr13
7	Packing	EPDM
8	Gland	QT450
9	Bonnet Gasket	EPDM
10	Body	QT450
11	Seat	EPDM

DIMENSIONS (mm)										
NOMINAL DIAMETER DN	L	D 1.0MPa	D 1.6MPa	K 1.0MPa	K 1.6MPa	d 1.0MPa	n-Ød 1.0MPa	n-Ød 1.6MPa	f	C
40	150		150		110		4-19	4-19	2	17
50	150		160		125		4-19	4-19	2	17
65	170		180		145		4-19	4-19	2	17
80	180		195		130		8-19	8-19	2	18
100	190		215		150		8-19	8-19	2	19
125	200		245		210		8-19	8-19	2	19
150	210		280		240		8-23	8-23	2.5	21
200	230		395		260		8-23	12-23	2.5	22
250	250	405	350	355	315		12-23	12-28	2.5	21
300	270	460	400	410	365		12-23	12-28	2.5	21

BS FLANGED NON-RISING STEM SOFT SEALING GATE VALVE (BS)



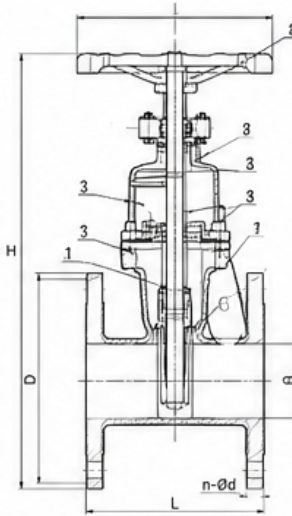
NO.	PART NAME	MATERIAL
1	Handwheel	QT450
2	Stem	2Cr13 / EPDM
3	Bonnet	QT450
4	Gasket	QT450
5	Bolt	QT450
6	Bonnet Nut	SS201
7	Packing	EPDM
8	Gland	QT450
9	Bonnet Gasket	EPDM
10	Body	QT450
11	Seat	2Cr13
12	O-Ring	EPDM

DIMENSIONS (mm)								
NOMINAL DIAMETER DN	L	D 1.0MPa	K 1.6MPa	d 1.0MPa	n-Ød 1.0MPa	n-Ød 1.6MPa	f	C (FLANGE THICKNESS)
40	182	155	110	84	4-18	4-18	3	15
50	182	155	125	99	4-18	4-18	3	15
65	190	175	145	118	4-18	4-18	3	15
80	204	195	160	132	8-18	8-18	3	17
100	233	210	180	156	8-18	8-18	3	18
125	254	250	210	184	8-18	8-18	3	19
150	270	275	240	211	8-23	8-23	3	19
200	298	338	295	266	8-23	12-23	3	20
250	330	405	350	319	12-23	12-28	3	24
300	356	450	400	370	12-23	12-28	4	24.5

BS FLANGED NON-RISING STEM HARD SEALING GATE VALVE

PRODUCT FEATURES

- Non-rising stem design
- Metal-to-metal sealing
- Bi-directional tight shut-off
- Low operation torque
- Flanged ends as per BS EN 1092-2



NO.	PART NAME	MATERIAL
1	Body	QT450
2	Bonnet	QT450-10
3	Stem	2Cr13
4	Disc	QT450
5	Seat	2Cr13
6	Gland	2Cr13
7	Gland Packing	Graphite
8	Gland Flange	Q235
9	Bonnet Bolt	35CrMo
10	Handwheel	QT450

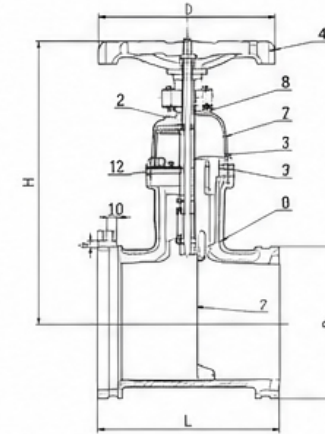
DIMENSIONS (mm)

NOMINAL DIAMETER DN	L	PN10		PN16		n-Ød		f	H (Approx.)	WEIGHT (kg) (Approx.)
		D	K	D	K	PN10	PN16			
50	178	165	125	165	125	4-19	4-19	2	15	10.5
65	190	185	145	185	145	4-19	4-19	2	17	13.5
80	203	200	160	200	160	8-19	8-19	2	17	17.0
100	229	220	180	220	180	8-19	8-19	2	19	23.0
125	254	250	210	250	210	8-19	8-19	2	20	29.0
150	267	285	240	285	240	8-23	8-23	2.5	22	36.0
200	292	340	295	340	295	8-23	12-23	2.5	27	55.0
250	330	395	350	405	355	12-23	12-28	2.5	31	86.0
300	356	445	400	460	410	12-23	12-28	2.5	34	113.0
350	381	505	460	520	470	16-23	16-31	3	37	142.0
400	406	565	515	580	525	16-28	16-31	3	41	175.0

GROOVED NON-RISING STEM SOFT SEALING GATE VALVE WITH INDICATOR

PRODUCT FEATURES

- Non-rising stem design
- Resilient soft sealing
- Visual position indicator
- Grooved ends as per AWWA C606

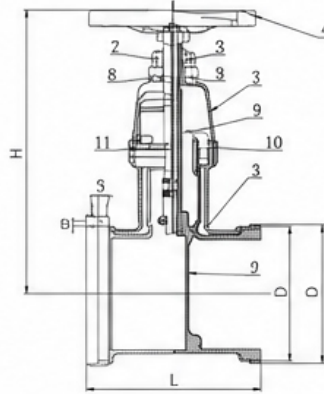


NO.	PART NAME	MATERIAL
1	Body	QT450
2	Bonnet	QT450+EPDM
3	Stem	QT450
4	Disc	QT450
5	Seat	EPDM+NBR
6	Nut	EPDM
7	Gland	QT450
8	Packing	EPDM
9	Gland Nut	Q235
10	Bolt	Q235
11	Indicator	EPDM

DIMENSIONS (mm)

NOMINAL DIAMETER DN	PIPE O.D (Ømm)		WORKING PRESSURE		TEST PRESSURE (MPa)		f	H (Approx.)	WEIGHT (kg) (Approx.)
	AWWA C606 CLASS D	AWWA C606 CLASS E	PN10 (MPa)	PN16 (MPa)	SHELL (TEST)	SEAL (TEST)			
50	60.3	60.3	1.0	1.6	1.5	1.1	1.6	148	12.0
65	73.0	76.1	1.0	1.6	1.5	1.1	1.6	162	14.5
80	88.9	88.9	1.0	1.6	1.5	1.1	1.6	175	15.7
100	114.3	114.3	1.0	1.6	1.5	1.1	2.11	206	17.8
125	139.7	139.7	1.0	1.6	1.5	1.1	2.11	230	22.0
150	165.1	165.1	1.0	1.6	1.5	1.1	2.16	243	22.5
200	219.1	219.1	1.0	1.6	1.5	1.1	2.34	290	27.7
250	273.0	273.0	1.0	1.6	1.5	1.1	2.39	314	31.1
300	323.9	323.9	1.0	1.6	1.5	1.1	2.77	359	31.5

GROOVED NON-RISING STEM NATIONAL STANDARD SOFT SEALING GATE VALVE



NO.	PART NAME	MATERIAL
1	Body	QT450
2	Bonnet	QT450+EPDM
3	Stem	QT450
4	Disc	QT450
5	Seat	EPDM
6	Nut	45# / 2Cr13
7	Gland	EPDM
8	Gland Nut	QT450
9	Bolt	Q235
10	O-Ring	EPDM
11	Handwheel	QT450

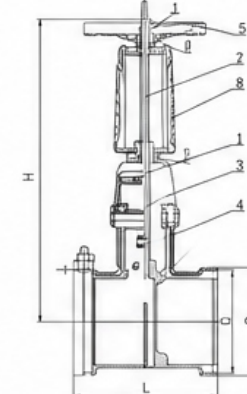
PERFORMANCE SPECIFICATIONS

Nominal Pressure	1.6	MPa
Working Pressure	2.4	
Shell Test Pressure	1.76	
Seal Test Pressure	0.6	
Operating Temperature	-20°C to +80°C	
Suitable Media	Water, Oil, Gas, etc.	

DIMENSIONS (mm)

NOMINAL DIAMETER DN	OUTLINE DIMENSIONS		END CONNECTION SIZE		THROAT C		HANDWHEEL D1	H (APPROX.)	WEIGHT (kg) (APPROX.)
	L	D	A±0.61	B±0.61	Cmin.	Cmax.			
50	120	60.3	+0.61	-0.61	57.15	-0.38	15.88	7.93	2.08
65	145	76.1	-0.76	-0.76	72.26	-0.46	15.88	7.33	2.05
80	157	88.9	+0.89	-0.79	84.94	-0.46	15.88	7.33	1.98
100	178	114.3	+1.14	-0.79	110.08	-0.51	15.88	9.53	2.10
125	197	139.7	+1.40	-0.79	135.48	-0.51	15.88	9.53	2.11
150	226	165.1	+1.60	-0.79	160.98	-0.56	15.88	9.53	2.16
200	276	219.1	+1.60	-0.79	214.40	-0.64	19.05	12.70	2.39
250	329	273.0	+1.60	-0.79	268.28	-0.64	19.05	12.70	2.77
300	381	323.9	+1.60	-0.79	318.29	-0.64	19.05	2.77	3.06

RIISING STEM GROOVED GATE VALVE



NO.	PART NAME	MATERIAL
1	Body	QT450
2	Bonnet	QT450+EPDM
3	Stem	QT450
4	Disc	QT450
5	Seat	45# / 2Cr13
6	Nut	45#
7	Gland	EPDM
8	Handwheel	QT450

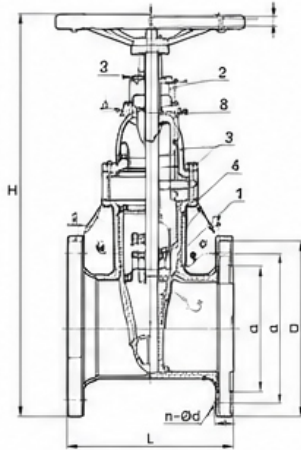
PERFORMANCE SPECIFICATIONS

Nominal Pressure	1.6	MPa
Working Pressure	2.4	
Shell Test Pressure	1.76	
Seal Test Pressure	0.6	
Operating Temperature	-20°C to +80°C	
Suitable Media	Water, Oil, Gas, etc.	

DIMENSIONS (mm)

NOMINAL DIAMETER DN	OUTLINE DIMENSIONS		THROAT C		THROAT DEPTH f	VALVE BORE d	VALVE LENGTH L1
	L	D	Cmin.	Cmax.			
50	120	60.3	57.15	-0.38	1.6	148	120
65	145	76.1	72.26	-0.46	1.98	162	145
80	160	88.9	+0.89	-0.46	1.98	175	157
100	178	114.3	+1.14	110.08	2.11	206	178
125	197	139.7	+1.40	135.48	2.11	230	220
150	226	165.1	+1.60	-0.86	2.16	243	225
200	276	219.1	+1.60	214.40	2.34	290	277
250	329	273.0	+1.60	268.28	2.39	314	311
300	381	323.9	+1.60	318.29	2.77	359	315

FLANGED NON-RISING STEM HARD SEALING GATE VALVE

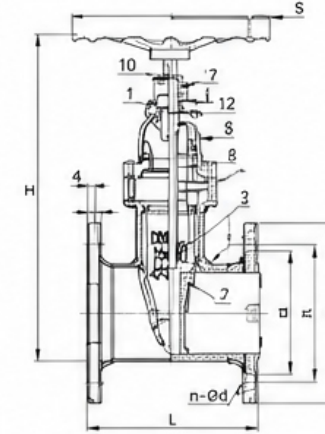


NO.	PART NAME	MATERIAL
1	Body	QT450
2	Bonnet	QT450-10
3	Stem	QT450
4	Disc	QT450
5	Handwheel	QT450
6	Nut	2Cr13
7	Gland	EPDM
8	Gland Flange	QT450
9	Bonnet Gasket	EPDM
10	Packing	Flexible Graphite

DIMENSIONS (mm)

DN Size	L (PN16)	OUTLINE DIMENSIONS				n-Ød		f	H (Approx.)	WEIGHT (kg) (Approx.)
		D (PN10)	D (PN16)	K (PN10)	K (PN16)	(PN10)	(PN16)			
40	140	150	150	110	110	4-Ø18	4-Ø18	2	140	3.30
50	150	165	165	125	125	4-Ø18	4-Ø18	2	15	4.20
65	170	185	185	145	145	4-Ø18	4-Ø18	2	17	5.30
80	180	200	200	160	160	8-Ø18	8-Ø18	2	17	6.80
100	190	220	220	180	180	8-Ø18	8-Ø18	2	18	9.80
125	200	250	250	210	210	8-Ø18	8-Ø18	2	19	13.00
150	210	285	285	240	240	8-Ø23	8-Ø23	2.5	21	17.50
200	230	340	340	295	295	8-Ø23	12-Ø23	2.5	27	27.00
250	250	395	405	350	355	12-Ø23	12-Ø28	2.5	31	40.50
300	270	445	460	400	410	12-Ø23	12-Ø28	2.5	34	59.00
350	290	505	520	460	470	12-Ø23	16-Ø28	3	37	78.00
400	310	565	580	515	525	16-Ø28	16-Ø31	3	41	100.00

HANDWHEEL F4 + BS NON-RISING STEM GATE VALVE



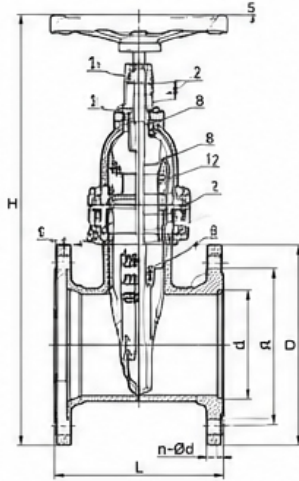
NO.	PART NAME	MATERIAL
1	Body	QT450-10
2	Bonnet	QT450-10
3	Stem	QT450
4	Disc	QT450
5	Handwheel	QT450
6	Nut	2Cr13
7	Gland	EPDM
8	Gland Flange	QT450
9	Packing	EPDM
10	Bonnet Bolt	QT450
11	Bonnet Gasket	EPDM
12	Packing	Flexible Graphite

DIMENSIONS (mm)

DN Size	S (F4+BS)	L (PN16)	D (PN10)	D (PN16)	K (PN10)	K (PN16)	d (PN10)	C (PN16)	n-Ød (PN10)	n-Ød (PN16)	f	H (Approx.)	H1 (Approx.)
40	7"	140	150	110	110	84	19	3	4-Ø19	4-Ø19	3	150	230
50	7"	150	165	125	125	99	19	3	4-Ø19	4-Ø19	3	160	245
65	8"	170	185	145	145	118	19	3	4-Ø19	4-Ø19	3	175	265
80	8"	180	200	160	160	132	19	3	8-Ø19	8-Ø19	3	190	290
100	8"	190	220	220	180	156	19	3	8-Ø19	8-Ø19	3	210	310
125	10"	200	250	210	210	184	19	3	8-Ø19	8-Ø19	3	230	340
150	10"	210	285	240	240	211	19	3	8-Ø23	8-Ø23	3.5	250	365
200	12"	230	340	295	295	266	20	3	8-Ø23	12-Ø23	3.5	300	440
250	12"	250	395	350	355	319	22	3	12-Ø23	12-Ø28	3.5	350	490
300	14"	270	445	400	410	370	24.5	4	12-Ø23	12-Ø28	4	400	560
350	14"	290	520	460	470	429	24.5	4	16-Ø23	16-Ø28	4	460	620
400	16"	310	565	515	525	480	24.5	4	16-Ø28	16-Ø31	4	520	680
500	20"	350	615	620	650	582	26.5	4	20-Ø28	20-Ø34	4	620	820
600	24"	390	680	725	770	682	30	5	20-Ø31	20-Ø37	5	750	1000
800	32"	470	1015	1950	950	901	33	5	24-Ø34	24-Ø40	5	920	1250
1000	40"	550	1230	1160	1170	1112	37.5	5	28-Ø37	28-Ø43	5	1100	1480
1200	48"	630	1455	1380	1390	1328	41.5	5	32-Ø40	32-Ø49	5	1250	1680



DIN HARD SEALING GATE VALVE

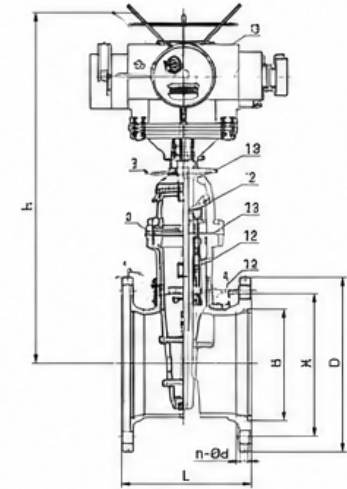


NO.	PART NAME	MATERIAL
1	Body	QT450
2	Bonnet	QT450+EPDM
3	Stem	2Cr13
4	Disc	QT450
5	Handwheel	QT450
6	Nut	Q235
7	Gland	EPDM
8	Packing	EPDM
9	Bonnet Gasket	EPDM
10	Seat	2Cr13
11	O-Ring	EPDM

DIMENSIONS (mm)

NOMINAL DIAMETER DN	MODEL	OUTLINE DIMENSIONS					n-Ød			f	C
		L	D		K		d	1.0MPa	1.6MPa		
			1.0MPa	1.6MPa	1.6MPa	1.6MPa	1.6MPa				
40	F5	240	150	150	110	85		4-19	4-19	2	17
50	F5	250	165	160	125	99		4-19	4-19	2	19
65	F5	270	185	180	145	118		4-19	4-19	2	19
80	F5	280	200	195	160	132		8-19	8-19	2	19
100	F5	300	220	215	180	156		8-19	8-19	2	19
125	F5	325	250	245	210	184		8-19	8-19	2	19
150	F5	350	285	280	240	211		8-23	8-23	2.5	19
200	F5	400	340	295	260	266		8-23	12-23	2.5	22
250	F5	450	395	405	355	319		12-23	12-28	2.5	24.5
300	F5	500	445	460	410	370		12-23	12-28	2.5	24.5

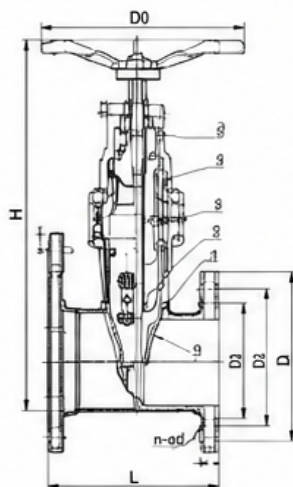
DN50-DN1000 (QT450) ELECTRIC GATE VALVE



NOMINAL DIAMETER DN	MODEL	OUTLINE DIMENSIONS							d (1.0/1.6MPa)	n-Ød		f	C	H (APPROX.)
		L	ELECTRIC ACTUATOR K							1.0MPa	1.6MPa			
			1.0MPa			1.6MPa								
			100Nm	160Nm	240Nm	100Nm	160Nm	240Nm						
50	BS	250	158	158	158	158	158	158	99	4-19	4-19	3	15	580
65	BS	270	158	158	158	158	158	158	118	4-19	4-19	3	15	590
80	BS	280	158	158	158	158	158	158	132	8-19	8-19	3	17	610
100	BS	300	158	158	158	158	158	158	156	8-19	8-19	3	18	660
125	BS	325	158	158	258	158	158	158	184	8-19	8-19	3	19	700
150	BS	350	158	258	258	258	258	258	211	8-23	8-23	3	20	760
200	BS	400	258	258	258	258	258	258	266	8-23	12-23	3	22	850
250	BS	450	258	258	350	350	350	350	319	12-23	12-28	3	24	950
300	BS	500	350	350	350	350	350	350	370	12-23	12-28	4	24.5	1050
350	BS	550	350	350	460	460	460	460	429	16-23	16-28	4	26.5	1150
400	BS	600	460	460	460	640	640	640	480	16-28	16-31	4	28	1260
450	BS	650	460	460	640	640	640	640	548	20-28	20-31	4	30	1360
500	BS	700	640	640	640	640	640	640	609	20-28	20-34	4	31	1460
600	BS	800	640	640	840	840	840	840	720	20-31	20-37	5	36	1680
700	BS	900	840	840	840	840	840	840	794	24-31	24-37	5	39.5	1890
800	BS	1000	840	840	1025	1025	1025	1025	901	24-34	24-40	5	43	2100
900	BB	1100	1025	1025	1025	1025	1025	1025	1001	28-34	28-40	5	46.5	2310
1000	BS	1200	1025	1025	1255	1255	1255	1255	1112	28-37	28-43	5	50	2520



NON-RISING STEM SIGNAL GATE VALVE



NO.	PART NAME	MATERIAL
1	Body	QT450
2	Wedge	QT450+EPDM
3	Stem	2Cr13
4	Bonnet	QT450
5	Gland	EPDM
6	Gland Flange	QT450
7	Packing	EPDM
8	Bolt	35#
9	Handwheel	QT450
10	Bonnet Gasket	EPDM
11	O-Ring	NBR

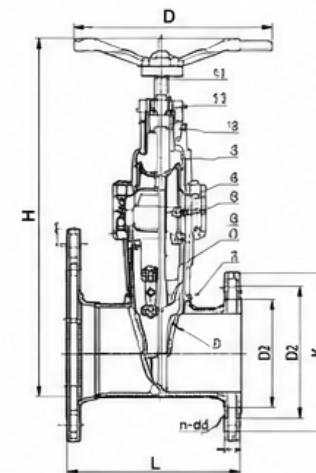
DIMENSIONS (mm)

NOMINAL SIZE DN	L	FLANGE DIMENSIONS								f	C	H (APPROX.)	WEIGHT (kg) (APPROX.)
		D		D1		D2		n-ød					
		PN16	PN25	PN16	PN25	PN16	PN25	PN16	PN25				
40	140	150	110	88	68	19	19	4-ø19	4-ø19	2	17	130	3.30
50	150	165	125	99	80	19	19	4-ø19	4-ø19	2	19	150	4.20
65	170	185	145	118	110	19	19	4-ø19	4-ø19	2	19	170	5.30
80	180	200	160	132	110	19	19	8-ø19	8-ø19	2	19	190	6.80
100	190	220	180	156	132	19	19	8-ø19	8-ø19	2	19	210	9.50
125	200	250	210	184	155	19	19	8-ø19	8-ø19	2	19	230	13.00
150	210	285	240	211	184	23	23	8-ø23	8-ø23	2.5	19	260	17.50
200	230	340	295	266	211	23	23	8-ø23	8-ø23	2.7	24	300	27.00
250	250	405	355	319	266	23	23	12-ø23	12-ø23	3	25	350	40.50
300	270	460	410	370	355	23	23	12-ø23	12-ø23	2.7	31	400	59.00

Design & Manufacturing Standard :

BS EN 1171 | Face to Face : BS EN 558 Series 14 | End Flange : BS EN 1092-2 | Testing : BS EN 12266-1

BS GATE VALVE (BRITISH STANDARD)



NO.	PART NAME	MATERIAL
1	Body	QT450
2	Bonnet	QT450+EPDM
3	Stem	QT450
4	Disc	QT450
5	Handwheel	QT450
6	Wedge	EPDM+NBR
7	Gland	EPDM
8	Packing	QT450
9	Gland Flange	QT450
10	Bolt	QT450
11	O-Ring	EPDM

DIMENSIONS (mm)

NOMINAL SIZE DN	L	BS FLANGE DIMENSIONS										f	C	H (APPROX.)	WEIGHT (kg) (APPROX.)
		D		K		d			n-ød						
		PN16	PN25	PN16	PN25	PN16	PN16	PN25	PN16	PN25					
40	140	165	110	110	84	84	19	19	4-ø19	4-ø19	2	15	130	3.15	
50	150	165	150	125	99	99	19	19	4-ø19	4-ø19	2	15	150	4.10	
65	170	185	170	145	118	118	19	19	4-ø19	4-ø19	2	17	170	5.70	
80	180	200	180	160	132	132	19	19	8-ø19	8-ø19	2	17	190	6.90	
100	190	220	190	180	156	156	19	19	8-ø19	8-ø19	2	18	210	9.80	
125	200	250	220	210	184	184	19	19	8-ø19	8-ø19	2	19	230	13.40	
150	210	285	250	240	211	211	23	23	8-ø23	8-ø23	2.5	19	260	18.20	
200	230	340	310	295	266	266	23	23	12-ø23	12-ø23	3	24	300	28.90	
250	250	405	370	355	319	319	28	28	12-ø28	12-ø28	3	27	350	42.50	
300	270	460	430	410	370	370	28	28	12-ø28	12-ø28	3	31	400	61.20	



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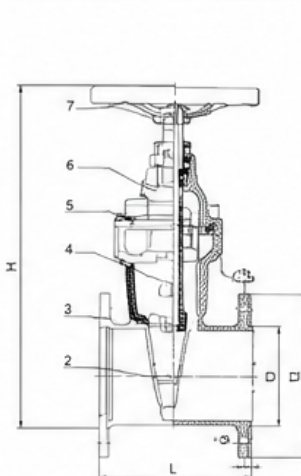


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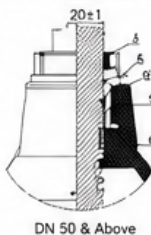


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ANSI CLASS 125 (AMERICAN STANDARD GATE VALVE)



Design & Manufacturing standard :
ANSI B16.34
Face to Face dimensions : ASME B16.10
End Flange Dimensions : ASME B16.1
Testing pressure : API 598



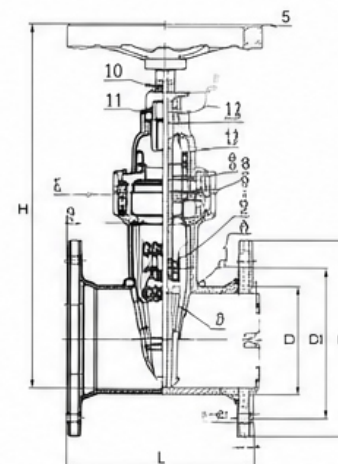
DN 50 & Above

NO.	PART NAME	MATERIAL
1	Body	QT450
2	Bonnet	QT450
3	Wedge	QT430+EPDM
4	Stem	SS420/13Cr
5	Bonnet Gasket	EPDM
6	Packing	EPDM
7	Handwheel	QT450
8	Nut	2Cr13
9	Gland	EPDM
10	Gland Flange	QT450
11	Bolt	Q235
12	O-Ring	EPDM

API 6D & NACE standard
available upon request.

DN	L	D		D1		b	n-ød	
		CL125	CL150	CL125	CL150		CL125	CL150
50	178	152	152	121	121	19	4-ø19	4-ø19
65	190	178	178	140	140	19	4-ø19	4-ø19
80	203	190	190	152.5	152.5	24	4-ø19	4-ø19
100	229	229	229	190.5	190.5	24	8-ø19	8-ø19
125	254	254	254	216	216	24	8-ø23	8-ø23
150	267	279	279	241.3	241.3	25	8-ø23	8-ø23
200	292	343	343	298.5	298.5	29	8-ø23	8-ø23
250	330	406	406	362	362	30	12-ø25	12-ø25
300	356	483	483	432	432	32	12-ø25	12-ø25

BS FLANGED NON-RISING STEM SOFT SEALING GATE VALVE



NO.	PART NAME	MATERIAL
1	Body	QT450
2	Bonnet	QT450+EPDM
3	Stem	SS420/13Cr
4	Disc	QT450
5	Handwheel	QT450
6	Nut	2Cr13
7	Gland	EPDM
8	Packing	EPDM
9	Bonnet Gasket	EPDM
10	Bolt	Q235
11	O-Ring	EPDM
12	Seat	EPDM

DN	L	OUTLINE DIMENSIONS									n-ød			f	C	H (APPROX.)
		D (1.0MPa)	D (1.6MPa)	D (2.5MPa)	K (1.0MPa)	K (1.6MPa)	K (2.5MPa)	d (1.0MPa)	d (1.6MPa)	d (2.5MPa)	(1.0MPa)	(1.6MPa)	(2.5MPa)			
40	165	150	150	150	110	110	110	84	84	84	4-ø19	4-ø19	4-ø19	2.5	15	180
50	178	165	165	165	125	125	125	99	99	99	4-ø19	4-ø19	4-ø19	2.5	15	190
65	190	185	185	185	145	145	145	118	118	118	4-ø19	4-ø19	4-ø19	2.5	17	200
80	203	200	200	200	160	160	160	132	132	132	8-ø19	8-ø19	8-ø19	2.5	17	230
100	229	220	220	220	180	180	180	156	156	156	8-ø19	8-ø19	8-ø19	2.5	18	260
125	254	250	250	250	210	210	210	184	184	184	8-ø19	8-ø19	8-ø19	2.5	19	285
150	267	285	285	285	240	240	240	211	211	211	8-ø23	8-ø23	8-ø23	2.5	19	320
200	292	340	340	340	295	295	295	266	266	266	8-ø23	12-ø23	12-ø23	2.5	20	370
250	330	395	405	400	350	355	355	319	319	319	12-ø23	12-ø28	12-ø28	2.5	24.5	440
300	356	445	460	460	400	410	410	370	370	370	12-ø23	12-ø28	12-ø28	2.5	24.5	510



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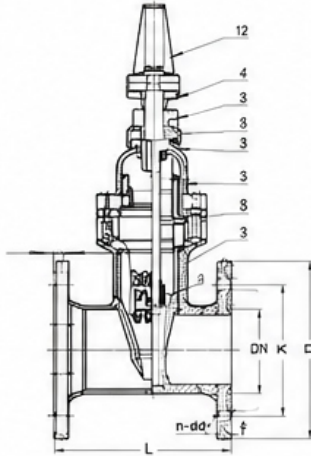


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UNDERGROUND FLANGED GATE VALVE



NO.	PART NAME	MATERIAL
1	Body	Ductile Iron (QT450)
2	Wedge	Ductile Iron + EPDM
3	Stem	Stainless Steel (2Cr13)
4	Bonnet	Ductile Iron (QT450)
5	Stem Cap	Ductile Iron (QT450)
6	O-Ring	NBR
7	Packing	EPDM
8	Gland	Ductile Iron (QT450)
9	Gland Flange	Ductile Iron (QT450)
10	Bolt	Carbon Steel (Q235)
11	Bonnet Gasket	EPDM
12	Seat	EPDM

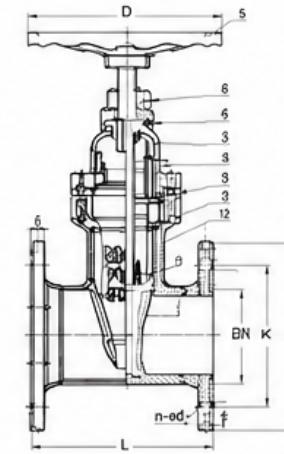
DIMENSIONS (mm)

DN	L	OUTLINE DIMENSIONS										n-ød			f	C	H (APPROX.)
		D			K			D2									
		1.0MPa	1.6MPa	2.5MPa	1.0MPa	1.6MPa	2.5MPa	1.0MPa	1.6MPa	2.5MPa	1.0MPa	1.6MPa	2.5MPa				
40	180	150	165	165	110	110	110	84	84	84	4-ø18	4-ø18	4-ø18	3	19	250	
50	190	165	165	165	125	125	125	99	99	99	4-ø18	4-ø18	4-ø18	3	19	265	
65	210	185	185	185	145	145	145	118	118	118	4-ø18	4-ø18	4-ø18	3	19	300	
80	230	200	200	200	160	160	160	132	132	132	8-ø18	8-ø18	8-ø18	3	19	325	
100	250	220	220	220	180	180	180	156	156	156	8-ø18	8-ø18	8-ø18	3	19	370	
125	270	250	250	250	210	210	210	184	184	184	8-ø18	8-ø18	8-ø18	3	19	420	
150	280	285	285	285	240	240	240	211	211	211	8-ø23	8-ø23	8-ø23	3	19	560	
200	330	340	340	340	295	295	295	266	266	266	12-ø23	12-ø23	12-ø23	3	20	630	
250	450	405	405	405	355	355	355	319	319	319	12-ø23	12-ø28	12-ø28	4	22	720	
300	550	520	520	520	410	410	410	370	370	370	12-ø23	12-ø28	12-ø28	4	24	810	
400	700	715	715	715	525	525	525	480	480	480	16-ø28	16-ø31	16-ø31	4	25	1050	
500	800	840	840	840	650	650	650	609	609	609	18-ø28	20-ø34	20-ø34	4	26	1250	
600	900	910	910	910	770	770	770	720	720	720	20-ø31	20-ø37	20-ø37	5	28	1450	
700	1000	1025	1025	1025	840	840	840	794	794	794	24-ø31	24-ø37	24-ø37	5	30	1650	
800	1100	1125	1125	1125	950	950	950	901	901	901	24-ø34	24-ø40	24-ø40	5	30	1850	
1000	1200	1255	1255	1255	1170	1170	1170	1112	1112	1112	28-ø37	28-ø43	28-ø43	5	34	2050	
1200	1400	1485	1485	1485	1390	1390	1390	1328	1328	1328	32-ø40	32-ø49	32-ø49	5	36	2450	

Design & Manufacturing Standard :

ANSI B16.34 | Face to Face : ASME B16.10 | End Flange : ASME B16.1 | Testing : API 598

DIN FLANGED NON-RISING STEM SOFT SEAL GATE VALVE



NO.	PART NAME	MATERIAL
1	Body	Ductile Iron (QT450)
2	Bonnet	Ductile Iron + EPDM
3	Stem	Stainless Steel (SS420/13Cr)
4	Disc	Ductile Iron (QT450)
5	Handwheel	Ductile Iron (QT450)
6	Nut	Stainless Steel (SS201)
7	Gland	EPDM
8	Packing	Ductile Iron (QT450)
9	Gland Flange	EPDM
10	Bolt	Stainless Steel (SS201)
11	O-Ring	Carbon Steel (Q235)
12	Seat	EPDM

DIMENSIONS (mm)

DN	L	D		K		d		n-ed		f	C
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16		
40	140	150	165	110	110	84	84	4-ø18	4-ø19	2	15
50	150	165	165	125	125	99	99	4-ø18	4-ø19	2	15
65	170	185	185	145	145	118	118	4-ø18	4-ø19	2	15
80	180	200	200	160	160	132	132	8-ø18	8-ø19	2	16
100	190	215	220	180	180	156	156	8-ø18	8-ø19	2	16
125	200	245	250	210	210	184	184	8-ø18	8-ø19	2	17
150	210	280	285	240	240	211	211	8-ø23	8-ø23	2.5	19
200	230	345	405	295	295	266	266	8-ø23	12-ø23	3	20
250	230	395	406	355	355	319	319	12-ø23	12-ø28	3	21
300	270	505	460	400	410	370	370	12-ø23	16-ø28	2.5	21
350	310	580	580	460	470	429	429	16-ø28	16-ø31	4	22
400	330	615	640	565	585	548	548	20-ø28	20-ø31	4	22
500	350	670	715	620	655	609	609	20-ø28	20-ø34	4	22
600	390	780	840	725	770	720	720	20-ø31	20-ø37	5	22
700	430	895	910	840	840	794	794	24-ø31	24-ø37	5	22
800	470	1015	1025	950	950	901	901	24-ø34	24-ø40	5	23
900	510	1115	1125	1050	1050	1001	1001	28-ø34	28-ø40	5	23
1000	550	1230	1255	1170	1170	1112	1112	28-ø37	28-ø43	5	23



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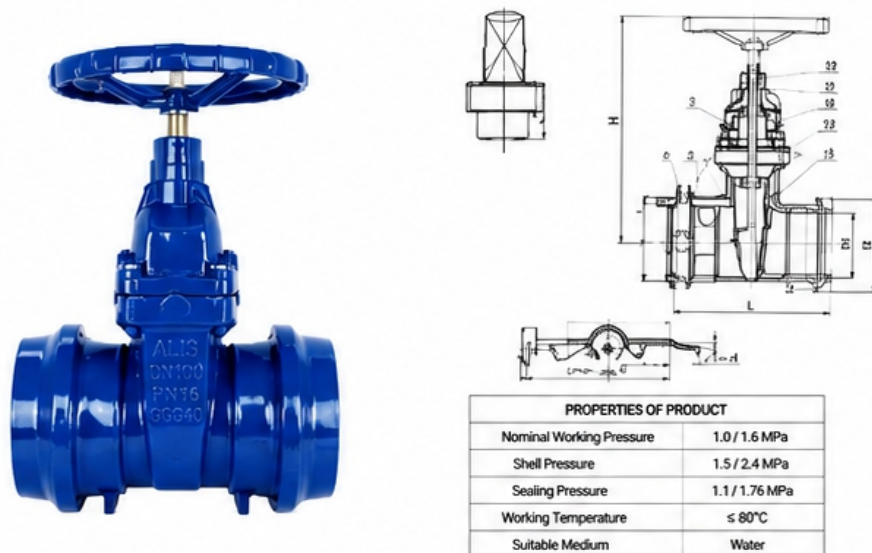


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SOCKET SOFT SEALING GATE VALVE



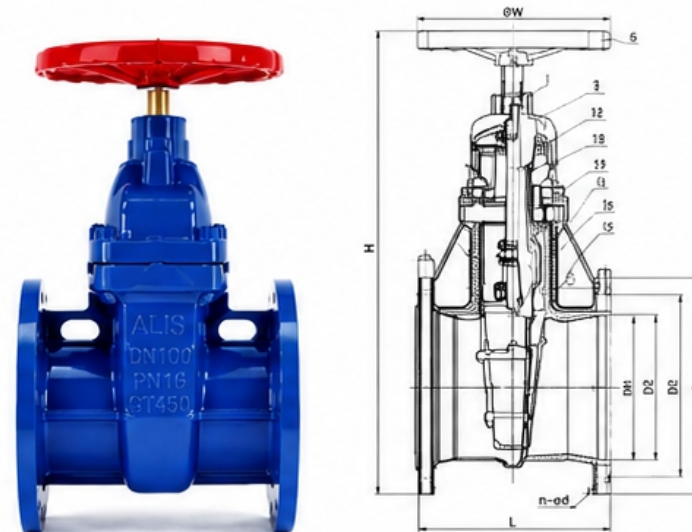
PROPERTIES OF PRODUCT	
Nominal Working Pressure	1.0 / 1.6 MPa
Shell Pressure	1.5 / 2.4 MPa
Sealing Pressure	1.1 / 1.76 MPa
Working Temperature	≤ 80°C
Suitable Medium	Water

NO.	PART NAME	MATERIAL	DIMENSIONS (mm)											
			DN	L	D	D1	D2	b	f	H	W	R2	t	B
1	Body	GGG40	40	140	50	51	67	18	1	70	4-19	3	5	70
2	Bonnet	GGG40+EPDM	50	150	56	58	72	18	1	74	4-19	3	5	72
3	Stem	2Cr13	(65(2 1/2"))	170	75	84	102	18	1	81	4-19	3.5	5	80
4	Wedge	GGG40	80(3")	180	90	98	118	18	2	89	4-19	3.5	6.5	86
5	Wedge Nut	EPDM	100(4")	190	110	118	132	20	2	96	8-19	4	6.5	95
6	Stem Nut	EPDM	125(5")	200	125	145	162	20	2	103	8-19	4	6.5	103
7	O-Ring	EPDM	150(6")	210	160	170	188	22	2	112	8-23	4.5	7	112
8	Packing	EPDM	200(8")	230	200	222	228	24	3	134	8-23	4.5	7	134
9	Gland	GGG40	250(10")	250	250	278	288	26	3	152	12-23	5	8	154
10	Gland Flange	Q235	300(12")	270	315	332	338	26	4	174	12-23	5	8	174
11	Bolt	Q235	350	290	355	370	362	26	4	193	16-23	6	32	193
12	Bolt Nut	Q235	400	310	400	429	388	28	4	216	16-28	6	36	214
13	Handwheel	QT450	500	350	500	520	465	30	4	258	20-28	7	11	258

Design & Manufacturing Standard :

ANSI B16.34 | Face to Face : ASME B16.10 | End Flange : ASME B16.1 | Testing : API 598

QT450 FLANGED HARD SEALING GATE VALVE



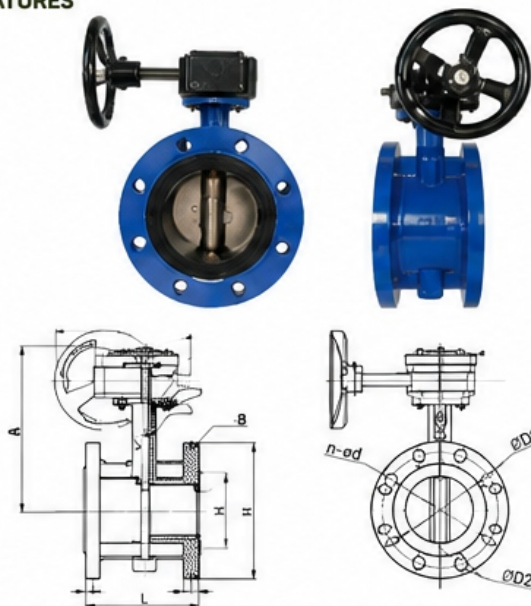
NO.	PART NAME	MATERIAL
1	Body	QT450-14
2	Bonnet	QT450-14
3	Stem	QT450
4	Disc	QT450
5	Handwheel	QT450
6	Nut	Q235/20Cr13
7	Gland	EPDM
8	Packing	QT450/GBBR
9	Gland Flange	EPDM
10	Bolt	Q235
11	Bolt Nut	Q235
12	Seat Ring	HCu116

DIMENSIONS (mm)

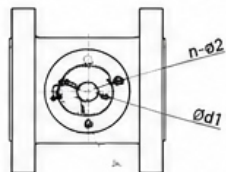
DN	L	OUTLINE DIMENSIONS								f	n-ød		H	H (Approx.)	WEIGHT (kg) (Approx.)
		D		D1		D2		b			PN10	PN16			
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16						
40	165	165	110	110	84	84	138	110	138	2	4-18	4-18	2	168	2.80
50	178	165	165	125	125	99	220	200	200	2	4-18	4-18	2	175	2.95
65	190	185	165	145	145	118	118	118	120	2	4-18	4-18	2	187	3.25
80	203	200	160	160	132	132	138	280	200	2	8-18	8-18	2	200	3.60
100	229	220	220	180	186	156	156	156	222	2	8-18	8-18	2	270	4.05
125	254	250	250	210	184	184	214	230	222	2.5	8-18	8-19	2	254	4.70
150	267	346	385	290	266	261	211	230	224	3	8-23	8-23	3	330	6.30
260	292	405	495	355	355	319	319	286	236	3	12-23	12-28	3	358	8.20
300	356	460	460	410	410	370	370	220	288	3	12-23	12-28	4	406	9.20
350	381	520	520	470	470	429	429	320	300	3	16-23	16-28	4	581	10.60
400	432	580	580	525	525	480	480	585	32	4	16-28	16-31	4	581	11.50

D341 GEAR FLANGED BUTTERFLY VALVE (10K)

FEATURES



NO.	PART NAME	MATERIAL
1	Body	GGG40
2	Disc	CF8
3	Stem	2Cr13
4	Seat	EPDM / NBR
5	O-Ring	EPDM
6	Pin	45# Steel
7	Gearbox	QT450
8	Handwheel	QT450

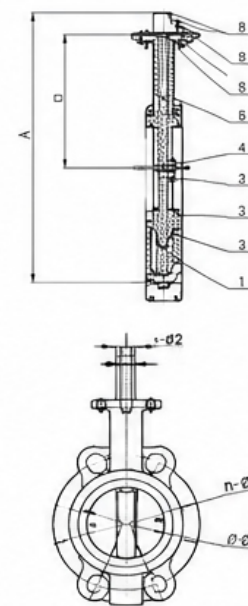
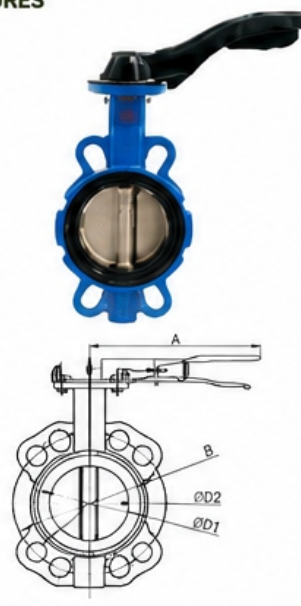


DIMENSIONS (mm)

NOMINAL SIZE DN	A	B	C	F	H	L	FLANGE DRILLING (10K)			ød2	L	ø2	ø3	n-ø2
							D	D1	n-ød					
50	161	80	43	11	4	155	120	4-19	12	131	12.5	90	65	4-ø15
65	175	89	46	11	4	175	140	4-19	14	142	12.7	100	70	4-ø15
80	181	95	46	11	4	185	150	4-19	14	158	11.5	120	75	4-ø15
100	200	114	52	11	4	210	175	4-19	16	178	16.2	140	105	4-ø19
125	213	127	56	14	4	250	210	4-23	16	210	16.2	170	125	4-ø19
150	226	139	56	14	4	280	240	4-23	18	236	21.8	190	145	4-ø19
200	260	175	60	17	4	330	355	4-23	22	326	31.7	225	176	4-ø23
300	337	242	78	17	4	445	400	4-23	24	368	34.9	275	230	4-ø23
350	377	267	78	17	4	490	445	4-23	24	428	40.0	310	255	4-ø23
400	420	292	102	17	4	565	510	4-27	26	482	45.0	350	270	4-ø23
450	462	318	104	17	4	620	565	4-27	26	530	50.1	375	300	4-ø23
500	480	336	127	17	4	675	620	4-27	26	585	55.5	305	320	4-ø23
600	562	365	154	17	4	795	730	4-27	30	692	65.8	324	380	4-ø27

LEVER WAFER BUTTERFLY VALVE

FEATURES



NO.	PART NAME	MATERIAL
1	Body	GGG40
2	Disc	CF8 / CF8M
3	Stem	2Cr13
4	Seat	EPDM / NBR
5	O-Ring	EPDM
6	Pin	45# Steel
7	Handle	QT450
8	Gasket	QT450

DIMENSIONS (mm)

NOMINAL SIZE DN	A	B	C	F	K	D1	D2	L	Stem ød2
50	273	161	42.0	11.0	125	51	76.3	25.5	Ø12.7
65	295	175	47.1	15.0	145	59	89.8	29.5	Ø12.7
80	398	181	65.2	49.1	160	73	91.5	25.5	Ø12.7
100	354	200	52.1	55.5	180	101	115.5	25.5	Ø18.8
125	372	213	54.8	58.8	210	126.5	129.8	28.5	Ø18.9
150	392	260	58.6	62.1	240	146.5	138.1	28.5	Ø18.9
200	435	260	60.6	64.1	295	200.5	139.1	30.0	Ø22.2
250	540	292	65.6	71.1	355	268.9	234.9	30.0	Ø22.6
300	624	337	67.9	81.1	410	309.9	341.2	44.6	Ø31.6

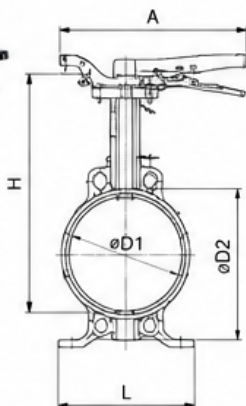
No.	PART NAME	MATERIAL
1	Handle	QT450
2	Bolt	Iron Plated, Grade 8.8
3	Toothlock Washer	25# Steel, Lock
4	Bolt	Iron Plated, Grade 8.8
5	Valve Sleeve	Nylon66+20%GF
6	Washer	AISI304
7	Taper Pin	Carbon Steel 45H
8	Valve Plate	GGG50
9	Valve Seat	EPDM
10	Valve Sleeve	Nylon66+20%GF
11	Name Board	GGG50
DESCRIPTION		MATERIAL

LEVER GROOVED BUTTERFLY VALVE

FEATURES



Grooved Connection
GB5135-11



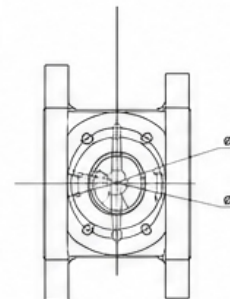
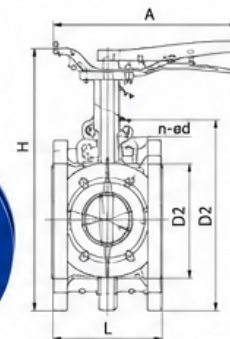
NO.	PART NAME	MATERIAL
1	Body	QT450
2	Disc	QT450+EPDM
3	Stem	QT450
4	Seat	EPDM
5	O-Ring	EPDM
6	Pin	EPDM
7	Bushing	EPDM
8	Handle	EPDM
9	Lock Plate	45# Steel
10	Bolt	25#-11

DIMENSIONS (mm)

NOMINAL SIZE DN	CONNECTING DIMENSIONS				Wall Thickness		Working Pressure f	Height H	Length L
	Groove Diameter D		Groove Width E						
	Min.	Max.	Min.	Max.	Min.	Max.			
50	60.3 +0.61/-0.61	57.15 +0.38/-0.38	15.88	8.74	1.98		1.6	98	103
65	76.1 +0.76/-0.76	72.26 +0.46/-0.46	15.88	8.74	1.98		1.98	112	100
80	88.9 +0.89/-0.89	84.94 +0.46/-0.46	15.88	8.74	1.98		1.98	130	105
100	114.3 +1.14/-1.14	110.1 +0.51/-0.51	15.88	8.74	2.11		2.11	158	120
125	139.7 +1.40/-1.40	135.48 +0.51/-0.51	15.88	8.74	2.11		2.11	182	130
150	165.1 +1.60/-1.60	160.90 +0.66/-0.56	15.88	8.74	2.16		2.16	194	149
200	219.1 +1.60/-1.60	214.40 +0.64/-0.64	19.05	11.91	2.34		2.27	227	187
250	273.0 +1.98/-1.98	268.28 +0.69/-0.69	19.05	11.91	2.39		2.39	262	211
300	323.9 +1.98/-1.98	318.29 +0.76/-0.76	19.05	11.91	2.93		2.77	309	288

LEVER FLANGED BUTTERFLY VALVE

FEATURES



NO.	PART NAME	MATERIAL
1	Body	QT450
2	Disc	QT450+EPDM
3	Stem	EPDM/45# Steel
4	Seat	EPDM/NBR
5	O-Ring	EPDM
6	Pin	45# Steel
7	Handle	QT450
8	Lock Plate	EPDM
9	Bolt	QT450
10	Bushing	EPDM
11	Lock Nut	45# Steel

DIMENSIONS (mm)

NOMINAL SIZE DN	MAIN DIMENSIONS (mm)								n-ød		Stem ød2	ø3
	A	B	C	F	K	D1	D2	L				
									PN10	PN16		
50	273	161	42	46.1	125	51	76.3	235	4-ø18	4-ø18	ø12.7	95
65	295	175	47.1	50.1	145	59	89.8	235	4-ø18	4-ø18	ø12.7	100
80	398	181	65.2	49.1	160	73	91.5	235	8-ø18	8-ø18	ø12.7	120
100	354	200	52.1	55.5	180	101.5	115.5	280	8-ø18	8-ø19	ø15.8	100
125	372	213	54.8	58.8	210	126.5	129.8	280	8-ø18	8-ø19	ø15.8	176
150	392	260	56.6	62.1	240	145.5	138.1	280	8-ø23	8-ø23	ø18.9	125
200	435	260	60.6	64.1	295	200.5	139.1	300	12-ø23	12-ø23	ø22.2	235
250	540	292	65.6	71.1	355	268.9	234.9	300	12-ø28	12-ø28	ø28.6	300
300	624	337	67.9	81.1	410	309.9	341.2	450	12-ø28	12-ø28	ø31.6	380

NO.	PART NAME	MATERIAL
11	Handle	QT450
10	Bolt	Iron Steel, Grade 8.8
9	Toothlock Washer	E235B to Lock
8	Bolt	Iron Steel, Grade 8.8
7	Axle Sleeve	Moderate Molecular
6	Valve Stem	AISI420
5	Taper Pin	Carbon Steel 45H
4	Valve Plate	GGG50
3	Valve Seat	EPDM
2	Axle Sleeve	Moderate Molecular
1	Valve Body	GGG50
	DESCRIPTION	MATERIAL



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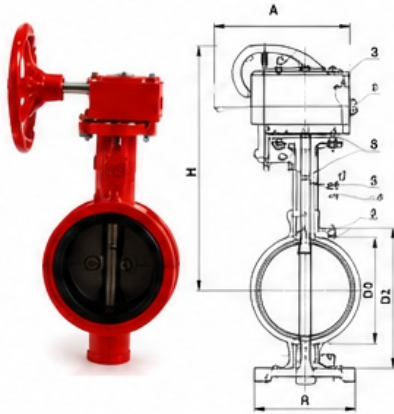


Ahmedabad, Gujarat, India

WORM GEAR GROOVED BUTTERFLY VALVE

FEATURES

- Compact structure, easy installation
- Smooth operation, high torque
- Tight sealing, no leakage
- Suitable for water supply, drainage, HVAC systems
- Widely used in fire protection systems



Grooved Connection
GB5135-11

NO.	PART NAME	MATERIAL
1	Body	QT450
2	Disc	QT450
3	Stem	EPDM Coated
4	Seat	EPDM
5	O-Ring	EPDM
6	Pin	45# Steel
7	Bushing	EPDM
8	Gearbox	QT450

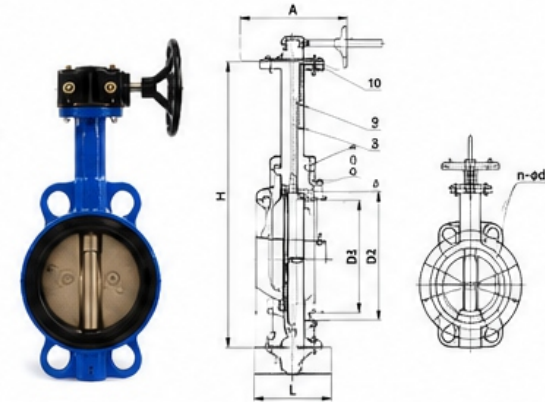
DIMENSIONS (mm)

NOMINAL SIZE DN	CONNECTING DIMENSIONS						WALL THICKNESS	WORKING PRESSURE	HEIGHT	LENGTH
	GROOVE DIAMETER D		GROOVE WIDTH E		CHANNEL DIAMETER					
	Min.	Max.	Min.	Max.	A±0.76	B±0.76				
50	60.3	61.0	57.15	0.38	15.88	8.74	1.56	1.6	120	103
65	76.1	76.7	72.26	0.46	15.88	8.74	1.98	1.98	134	100
80	88.9	89.7	84.94	0.46	15.88	8.74	1.98	1.98	147	105
100	114.3	114.7	110.1	0.51	15.88	8.74	2.11	2.18	178	120
125	139.7	140.7	135.48	0.51	15.88	8.74	2.11	2.02	202	130
150	165.1	166.0	160.90	0.56	15.88	8.74	2.16	2.16	215	149
200	219.1	220.0	214.40	0.64	19.05	11.91	2.34	2.34	227	187
250	273.0	273.9	268.28	0.69	19.05	11.91	2.39	2.39	285	211
300	323.9	324.8	318.29	0.76	19.05	11.91	2.77	3.30	330	288

WORM GEAR WAFER BUTTERFLY VALVE

FEATURES

- Lightweight design, compact structure
- Reliable sealing performance
- Easy installation and maintenance
- Suitable for water supply, drainage, HVAC systems
- Widely used in industrial applications



NO.	PART NAME	MATERIAL
1	Body	QT450
2	Disc	QT450+EPDM
3	Stem	EPDM Coated
4	Seat	EPDM
5	O-Ring	EPDM
6	Pin	45# Steel
7	Bushing	EPDM
8	Handle	QT450
9	Lock Plate	EPDM
10	Bolt	QT450

DIMENSIONS (mm)

NOMINAL SIZE DN	MAIN DIMENSIONS (mm)								n-ød		
	A	B	C	F	K	D1	D2	L	PN10	PN16	ø2
50	206	161	42	46.1	125	51	34	43	4-ø16	4-ø16	ø12.7
65	220	175	44.7	49.1	145	59	34	46	4-ø16	4-ø16	ø12.7
80	226	181	45.2	49.1	160	77.3	34	46	8-ø18	8-ø18	ø12.7
100	254	200	52.1	55.3	180	102.7	35	52	8-ø18	8-ø19	ø15.8
125	287	226	54.8	58.8	210	126.5	35	56	8-ø18	8-ø19	ø18.9
150	320	260	56.6	62.1	240	145.4	38	56	8-ø23	8-ø23	ø18.9
200	370	292	65.6	71.8	295	200.9	43	60	12-ø23	12-ø23	ø22.6
250	490	400	84.2	93.1	355	248.9	47	68	12-ø23	12-ø28	ø39.6
300	570	460	95.2	105.3	410	309.9	50	78	12-ø27	12-ø28	ø38.1
350	620	520	106.3	117.7	470	360.5	64	78	16-ø27	16-ø31	ø44.5
400	650	562	117.3	129.2	525	390.6	70	86	16-ø27	16-ø31	ø50.5
500	750	645	133.6	145.0	590	463.6	70	96	20-ø30	20-ø34	ø50.8
600	820	688	133.6	145.0	590	565.0	70	96	20-ø30	20-ø37	ø57.2
700	920	800	159.0	171.4	700	665.6	70	110	24-ø36	24-ø40	ø63.5
800	820	688	133.6	145.0	590	740.0	70	110	24-ø36	24-ø40	ø69.9

NO.	PART NAME	MATERIAL
11	Handle	QT450
10	Bolt	Carbon Steel Grade 8.8
9	Toothlock Washer	E235B to Lock
8	Bolt	Carbon Steel Grade 8.8
7	Valve Stem	AISI420
6	Valve Seat	EPDM
5	Taper Pin	Carbon Steel 45H
4	Valve Plate	GGG50
3	Axle Sleeve	EPDM
2	Axle Sleeve	AISI420
1	Valve Body	GGG50
	DESCRIPTION	MATERIAL

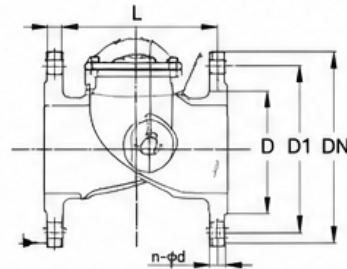
FLANGED BALL CHECK VALVE

FEATURES

- Simple structure, reliable sealing
- Low pressure drop
- Compact design
- Suitable for clean water, sewage and neutral media



NO.	PART NAME	MATERIAL
1	Cover	GGG40
2	Body	QT450
3	Disc	QT450
4	Seat	SS201
5	Bolt & Nut	QT450



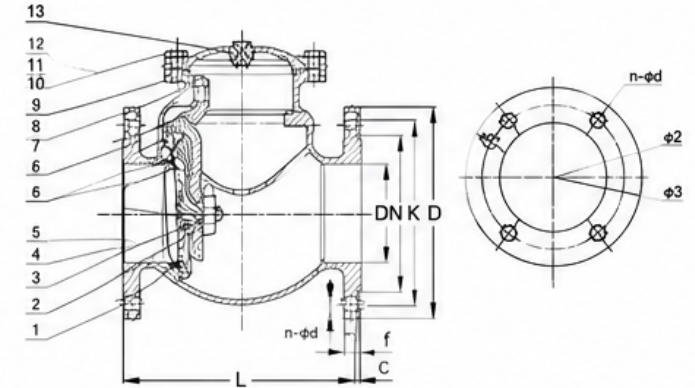
DIN F6 BALL CHECK VALVE

DN	L		D		D1		d	C	f	n-φd	
	PN10	PN16	PN10	PN16	PN10	PN16				PN10	PN16
DN40	180	150	110	110	84	15	6	2	2	4-φ19	4-φ19
DN50	200	165	125	125	99	15	2	2	2	4-φ19	4-φ19
DN65	240	185	145	145	118	15	2	2	2	4-φ19	4-φ19
DN80	260	200	160	160	133	17	2	2	2	8-φ19	8-φ19
DN100	300	215	180	180	154	19	2	2	2	8-φ19	8-φ19
DN125	350	250	210	210	184	19	2	2	2	8-φ19	8-φ19
DN150	400	285	245	245	266	21	3	3	3	8-φ23	8-φ23
DN250	600	395	350	355	369	24	2	3	3	8-φ23	12-φ23
DN300	700	445	400	410	370	25	2	3	3	12-φ23	12-φ28
DN400	900	580	515	525	480	27	3	3	3	16-φ28	16-φ31
DN500	1100	670	715	620	582	30	3	3	3	20-φ28	20-φ34

SWING CHECK VALVE

FEATURES

- Tight sealing, low flow resistance
- Swing disc, reliable operation
- Easy installation, low maintenance
- Suitable for water, wastewater and general pipeline systems



DIMENSIONS (mm)

Nominal Size	Face to Face					Face to Face	
	EN1092-2 PN10					125 LB	
DN	D	K	C	f	n-φd	D	n-φd
50	203	165	125	19	3	1532	4-φ18
65	216	185	145	19	3	1788	4-φ18
80	241	200	160	20	3	8*91	8-φ19
100	292	220	180	20	3	8239	8-φ19
125	330	250	210	22	3	2*54	8-φ19
150	356	285	240	22	3	8-23	8-φ23
200	495	340	295	24.5	3	8-433	8-φ23
250	622	405	355	24.5	3	12-φ28	12-φ28
300	698	460	410	25.5	4	12-φ28	12-φ28
350	787	520	470	26.5	4	16-φ23	12-φ28
400	914	580	515	26.5	4	16-φ28	16-φ28
500	1016	670	620	26.5	4	20-φ28	16-φ28
600	1219	780	725	30	5	20-φ31	20-φ31

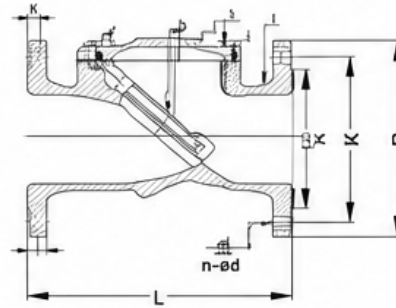
ASME B16.1 / 16.42

NO.	PART NAME	MATERIAL
13	Lever	Q235B
12	Cover Bolts	Q235+Zn Plated
11	Cover	GGG50
10	Gasket	EPDM
9	Hinge Pin	Carbon Steel 45H
8	Bolt	Carbon Steel, Class 8.8
7	Hinge	AlSi420
6	Body	GGG50
5	Disc	EPDM
4	Disc Seat	Macromolecule
3	Seat Ring	EPDM
2	Body Seat	GGG50
1	Drain Plug	45# Steel
No.	DESCRIPTION	MATERIAL

RUBBER DISC SWING CHECK VALVE

FEATURES

- Low pressure drop
- Reliable sealing
- Compact and lightweight design
- Suitable for water, wastewater and general services



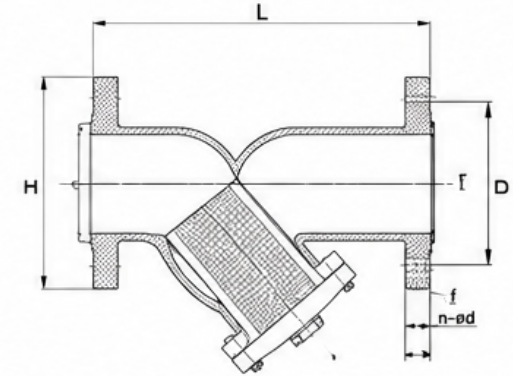
DN	L	d	10K~ d1	16K~ d1	10K~ K	16K~ K	10K~ n-ød	16K~ n-ød	C	f
50	203	99	165	125	165	125	4-ø19	4-ø19	19	3
65	216	118	185	145	185	145	4-ø19	4-ø19	19	3
80	241	132	200	160	200	160	8-ø19	8-ø19	19	3
100	292	156	220	180	220	180	8-ø19	8-ø19	19	3
125	330	184	250	210	250	210	8-ø19	8-ø19	19	3
150	356	211	285	240	285	240	8-ø23	8-ø23	19	3
200	495	266	340	295	340	295	8-ø23	12-ø23	22	3
250	622	319	395	355	405	355	12-ø23	12-ø28	22	3
300	698	370	445	400	460	410	12-ø23	12-ø28	24.5	4
350	787	429	505	460	520	470	16-ø23	16-ø28	24.5	4
400	914	480	565	515	580	525	16-ø23	16-ø28	25.5	4
450	1016	548	615	565	640	585	20-ø28	20-ø28	25.5	4
500	1219	609	670	620	715	650	20-ø28	20-ø31	26.5	4
600	1398	720	780	725	840	770	20-ø31	20-ø34	30	5

Note: 10K = JIS 10K | 16K = JIS 16K

Y-TYPE FLANGED STRAINER

FEATURES

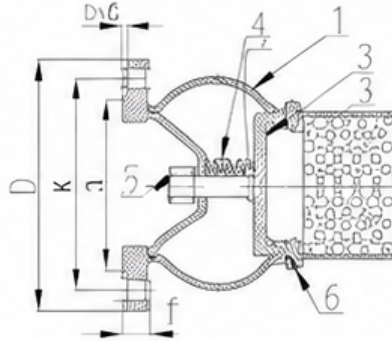
- Protects valves, pumps and equipment from foreign particles
- Durable and easy to maintain
- Compact Y-type design
- Suitable for water, oil and general industrial applications



DN	L	H	Ø1					n-ød					B	f	d		
			PN10	PN16	PN25	PN40	PN63	PN10	PN16	PN25	PN40	PN63			PN10	PN16	PN25
50	230	175	125	125	125	125	125	4-ø18	4-ø18	4-ø18	4-ø18	4-ø18	19	3	99	99	99
65	290	198	145	145	145	145	145	4-ø18	4-ø18	4-ø18	4-ø18	4-ø18	19	3	118	118	118
80	310	215	160	160	160	160	160	8-ø18	8-ø18	8-ø18	8-ø18	8-ø18	19	3	132	132	132
100	350	265	180	180	190	190	190	8-ø18	8-ø18	8-ø23	8-ø23	8-ø23	19	3	156	158	158
125	400	305	210	210	220	235	235	8-ø18	8-ø18	8-ø23	8-ø23	8-ø23	19	3	184	184	184
150	480	358	240	240	250	265	265	8-ø23	8-ø23	8-ø23	8-ø28	8-ø28	19	3	211	212	212
200	600	450	295	295	310	320	320	8-ø23	8-ø23	8-ø23	12-ø28	12-ø28	20	3	266	268	268
250	730	530	350	355	370	385	385	12-ø23	12-ø28	12-ø28	12-ø31	12-ø31	22	3	319	320	320
300	850	610	400	410	430	450	450	12-ø23	12-ø28	16-ø28	16-ø31	16-ø31	24.5	4	370	378	378
350	980	680	460	470	490	510	510	16-ø23	16-ø28	16-ø28	16-ø31	16-ø31	24.5	4	429	438	438
400	1100	760	515	525	550	585	585	16-ø28	16-ø31	16-ø31	20-ø31	20-ø34	25.5	4	480	490	490
450	1200	830	565	585	600	610	610	20-ø28	20-ø31	20-ø31	20-ø31	20-ø31	25.5	4	548	550	550
500	1250	900	620	650	660	670	670	20-ø28	20-ø31	20-ø34	20-ø34	20-ø34	26.5	4	609	610	610
600	1450	1060	725	770	770	795	795	20-ø31	20-ø34	20-ø37	20-ø37	20-ø37	30	5	720	726	726

Note: PN10 – PN63 as per EN1092-2 | Dimensions in mm

FLANGED BOTTOM VALVE



NO.	PART NAME	MATERIAL
1	Body	QT450
2	Disc	SS304
3	Seat	EPDM
4	Screen	SS304
5	Bonnet	Cast Iron
6	Bolt	SS304

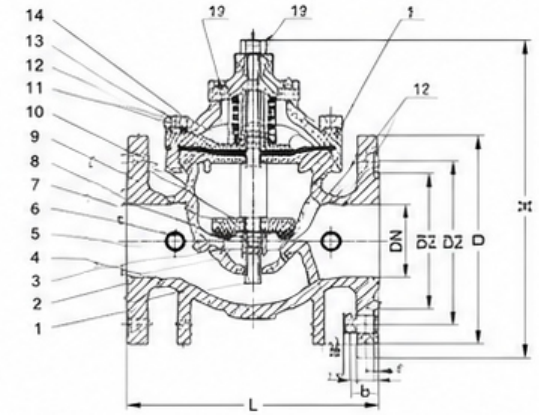
DIMENSIONS (mm)					
DN	D	K	d	f	C
50	165	125	99	3	19
65	185	145	118	3	19
80	200	160	132	3	19
100	220	180	156	3	19
125	250	210	184	3	19
150	285	240	211	3	19
200	340	295	266	3	20
250	395	405	319	3	22
300	445	460	370	3	22
350	505	520	429	3	24
400	565	580	480	3	24

100X REMOTE CONTROL FLOAT VALVE



TECHNICAL NOTES:

1. Flange dimension according to GB/T 17241.6.
2. Pressure test according to GB/T 13927.



MATERIAL LIST		
NO.	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Seat	SS304
3	Disc	QT450 + EPDM
4	Diaphragm	EPDM
5	Diaphragm Plate	SS304
6	Bonnet	Ductile Iron
7	Stem	SS304
8	Adjusting Bolt	SS304
9	Float Arm	SS304
10	Float Ball	SS304
11	Pilot Valve	QT450
12	Ball Valve	Brass
13	Needle Valve	Brass
14	Copper Tube	Copper
	Paint	Epoxy Powder

MAIN DIMENSIONS (mm)								
DN	L	D	D1	D2	H	b	f	Z-φd
40	220	150	110	76	201	17	2	4-φ19
50	220	165	125	99	201	17	2	4-φ19
65	270	185	145	118	217	17	2	4-φ19
80	290	200	160	132	255	18	2	8-φ19
100	320	220	180	156	268	18	2	8-φ19
125	360	250	210	184	285	19	2	8-φ19
150	415	285	240	211	306	19	2	8-φ23
200	495	340	295	266	363	23	3	8-φ23
250	622	405	355	319	442	28	3	12-φ23
300	698	460	410	370	486	28	3	12-φ28
350	787	520	470	429	622	30	4	16-φ31
400	914	580	525	480	652	32	4	16-φ31
450	978	640	585	548	685	32	4	20-φ31
500	1016	670	620	609	725	34	4	20-φ34
600	1219	780	725	720	865	36	5	20-φ37

200X PRESSURE REDUCING VALVE

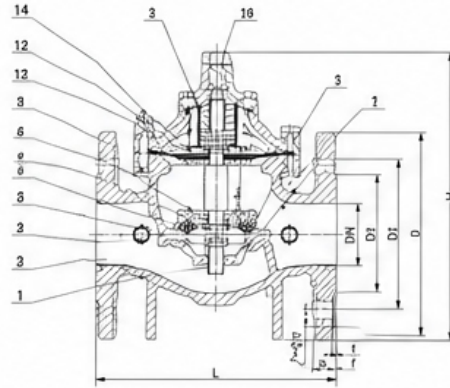
FEATURES

- Accurate pressure control
- Stable performance
- Easy adjustment and maintenance
- Suitable for water, oil and general applications



TECHNICAL NOTES:

1. Flange dimension according to GB/T 17241.6.
2. Pressure test according to GB/T 13927.



MATERIAL LIST		
NO.	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Cover	Ductile Iron
3	Seat	SS304
4	Diaphragm	NBR
5	Diaphragm Plate	SS304
6	Stem	SS304
7	Disc	Q235+EPDM
8	Spring	50CrV
9	Adjusting Screw	SS304
10	Bonnet	Ductile Iron
11	Pilot Valve	SS304
12	Ball Valve	Brass
13	Copper Tube	Copper
14	Strainer	SS304

MAIN DIMENSIONS (mm)										
DN	L	D	D1	D2	H	b	f	g	Z-φd	
32	220	140	100	76	201	17	2	4-φ19		
40	220	145	110	84	201	17	2	4-φ19		
50	220	160	125	99	225	18	2	4-φ19		
65	240	180	145	118	257	18	2	4-φ19		
80	255	195	160	132	265	19	2	8-φ19		
100	285	220	180	156	289	19	2	8-φ19		
125	330	250	210	184	336	22	3	8-φ19		
150	360	285	240	211	369	22	3	8-φ23		
200	415	340	295	266	442	26	3	12-φ23		
250	510	405	355	319	527	28	3	12-φ28		
300	590	460	410	370	622	28	3	12-φ28		
350	675	520	470	429	670	29	4	16-φ28		
400	720	580	525	480	800	32	4	16-φ31		
450	740	640	585	548	855	33	4	20-φ31		
500	810	715	650	609	965	38	5	20-φ34		

300X SLOW CLOSING CHECK VALVE

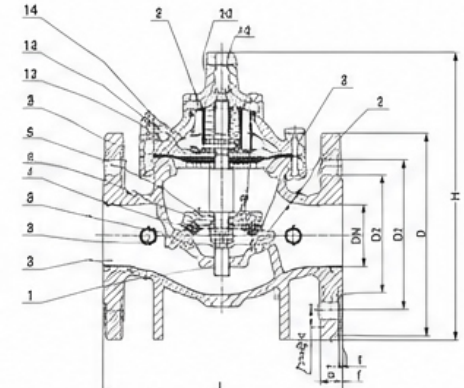
FEATURES

- Prevents water hammer
- Smooth and silent closing
- Reliable and durable
- Suitable for water, oil and general applications



TECHNICAL NOTES:

1. Flange dimension according to GB/T 17241.6.
2. Pressure test according to GB/T 13927.



MATERIAL LIST		
NO.	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Cover	Ductile Iron
3	Seat	SS304
4	Diaphragm	NBR
5	Diaphragm Plate	SS304
6	Stem	SS304
7	Disc	Q235+EPDM
8	Spring	50CrV
9	Adjusting Screw	SS304
10	Bonnet	Ductile Iron
11	Pilot Valve	SS304
12	Ball Valve	Brass
13	Copper Tube	Copper
14	Strainer	SS304

MAIN DIMENSIONS (mm)										
DN	L	D	D1	D2	H	b	f	g	Z-φd	
32	220	140	100	76	201	17	2	4-φ19		
40	220	145	110	84	201	17	2	4-φ19		
50	220	160	125	99	225	18	2	4-φ19		
65	240	180	145	118	257	18	2	4-φ19		
80	255	195	160	132	265	19	2	8-φ19		
100	285	220	180	156	289	19	2	8-φ19		
125	330	250	210	184	336	22	3	8-φ19		
150	360	285	240	211	369	22	3	8-φ23		
200	415	340	295	266	442	26	3	12-φ23		
250	510	405	355	319	527	28	3	12-φ28		
300	590	460	410	370	622	28	3	12-φ28		
350	675	520	470	429	670	29	4	16-φ28		
400	720	580	525	480	800	32	4	16-φ31		
450	740	640	585	548	855	33	4	20-φ31		
500	810	715	650	609	965	38	5	20-φ34		



400X FLOW CONTROL VALVE

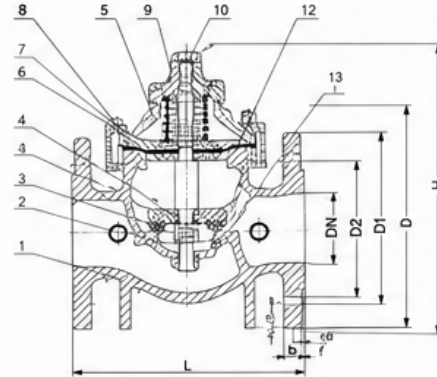
FEATURES

- Accurate flow control
- Stable performance
- Easy adjustment and maintenance
- Suitable for water and general applications



TECHNICAL NOTES:

1. Flange dimension according to GB/T 17241.6.
2. Pressure test according to GB/T 13927.



MATERIAL LIST

NO.	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Cover	Ductile Iron
3	Seat	SS304
4	Diaphragm	NBR
5	Diaphragm Plate	SS304
6	Stem	SS304
7	Zpilot	Q235+EPDM
8	Spring	50CrV
9	Adjusting Screw	SS304
10	Bonnet	Ductile Iron
11	Pilot Valve	SS304
12	Ball Valve	Brass
13	Copper Tube	Copper
14	Strainer	SS304

MAIN DIMENSIONS (mm)

DN	L	D	D1	D2	H	b	f	Z-φd
32	220	140	100	76	201	17	2	4-φ19
40	220	145	110	84	201	17	2	4-φ19
50	220	160	125	99	225	18	2	4-φ19
65	240	180	145	118	257	18	2	4-φ19
80	255	195	160	132	265	19	2	8-φ19
100	285	220	180	156	289	21	2	8-φ19
125	330	250	210	184	336	22	3	8-φ19
150	360	285	240	211	369	24	3	8-φ23
200	435	335	295	266	442	26	3	12-φ23
250	510	405	355	319	527	28	3	12-φ28
300	590	460	410	370	622	28	3	12-φ28
350	675	520	470	429	670	29	4	16-φ28
400	720	580	525	480	800	32	4	16-φ31
450	740	640	585	548	855	33	4	20-φ31
500	810	715	650	609	965	38	5	20-φ34

500X PRESSURE RELIEF VALVE

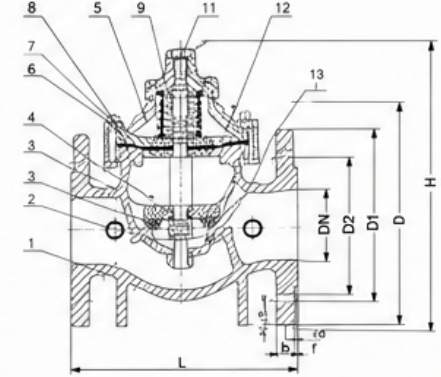
FEATURES

- Protects system from over pressure
- Quick response and accurate
- Reliable and durable
- Suitable for water and general applications



TECHNICAL NOTES:

1. Flange dimension according to GB/T 17241.6.
2. Pressure test according to GB/T 13927.



MATERIAL LIST

NO.	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Cover	Ductile Iron
3	Seat	SS304
4	Diaphragm	NBR
5	Diaphragm Plate	SS304
6	Stem	SS304
7	1 Disc	Q235+EPDM
8	Spring	50CrV
9	Adjusting Screw	SS304
10	Bonnet	Ductile Iron
11	Pilot Valve	SS304
12	Ball Valve	Brass
13	Copper Tube	Copper
14	Strainer	SS304

MAIN DIMENSIONS (mm)

DN	L	D	D1	D2	H	b	f	Z-φd
32	220	140	100	76	201	17	2	4-φ19
40	220	145	110	84	201	17	2	4-φ19
50	220	160	125	99	225	18	2	4-φ19
65	240	180	145	118	257	18	2	4-φ19
80	255	195	160	132	265	19	2	8-φ19
100	285	220	180	156	289	21	2	8-φ19
125	330	250	210	184	336	22	3	8-φ19
150	360	285	240	211	369	24	3	8-φ23
200	435	335	295	266	442	26	3	12-φ23
250	510	405	355	319	527	28	3	12-φ28
300	590	460	410	370	622	28	3	12-φ28
350	675	520	470	429	670	29	4	16-φ28
400	720	580	525	480	800	32	4	16-φ31
450	740	640	585	548	855	33	4	20-φ31
500	810	715	650	609	965	38	5	20-φ34



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600X ELECTRIC CONTROL VALVE

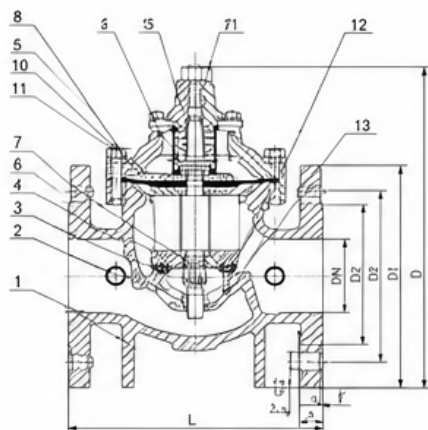
FEATURES

- Accurate level and flow control
- Remote operation
- Stable performance
- Easy adjustment and maintenance
- Suitable for water and general applications



TECHNICAL NOTES:

1. Flange dimension according to GB/T 17241.6.
2. Pressure test according to GB/T 13927.



MATERIAL LIST		
NO.	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Cover	Ductile Iron
3	Seat	SS304
4	Diaphragm	NBR
5	Diaphragm Plate	SS304
6	Stem	SS304
7	Disc	Q235+EPDM
8	Spring	50CrV
9	Adjusting Screw	SS304
10	Bonnet	Ductile Iron
11	Pilot Valve	SS304
12	Ball Valve	Brass
13	Copper Tube	Copper
14	Strainer	SS304

MAIN DIMENSIONS (mm)									
DN	L	D	D1	D2	H	b	f	Z-φd	
32	220	140	100	76	201	17	2	4-φ19	
40	220	145	110	84	201	17	2	4-φ19	
50	220	160	125	99	225	18	2	4-φ19	
65	240	180	145	118	257	18	2	4-φ19	
80	255	195	160	132	265	19	2	8-φ19	
100	285	220	180	156	289	21	2	8-φ19	
125	330	250	210	184	336	22	3	8-φ19	
150	360	285	240	211	369	24	3	8-φ23	
200	435	335	295	266	442	26	3	12-φ23	
250	510	405	355	319	627	28	3	12-φ28	
350	590	520	470	429	670	29	4	16-φ28	
400	720	580	525	480	800	32	4	16-φ31	
450	740	640	585	548	855	33	4	20-φ31	
500	810	715	650	609	965	38	5	20-φ34	

800X DIFFERENTIAL PRESSURE BYPASS VALVE

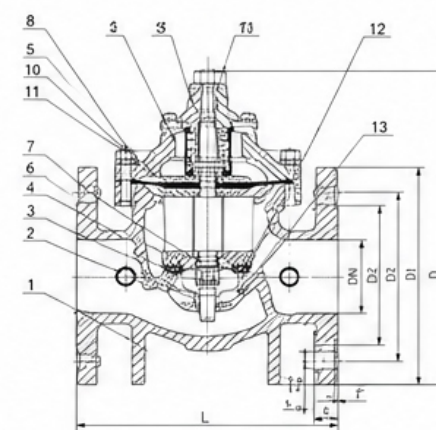
FEATURES

- Protects pump from over pressure
- Maintains constant differential pressure
- Reliable and durable
- Suitable for water and general applications



TECHNICAL NOTES:

1. Flange dimension according to GB/T 17241.6.
2. Pressure test according to GB/T 13927.



MATERIAL LIST		
NO.	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Cover	Ductile Iron
3	Seat	SS304
4	Diaphragm	NBR
5	Diaphragm Plate	SS304
6	Stem	SS304
7	Disc	Q235+EPDM
8	Spring	50CrV
9	Adjusting Screw	SS304
10	Bonnet	Ductile Iron
11	Pilot Valve	SS304
12	Ball Valve	Brass
13	Copper Tube	Copper
14	Strainer	SS304

MAIN DIMENSIONS (mm)									
DN	L	D	D1	D2	H	b	f	Z-φd	
32	220	140	100	76	201	17	2	4-φ19	
40	220	145	110	84	201	17	2	4-φ19	
50	220	160	125	99	225	18	2	4-φ19	
65	240	180	145	118	257	18	2	4-φ19	
80	255	195	160	132	265	19	2	8-φ19	
100	285	220	180	156	289	21	2	8-φ19	
125	330	250	210	184	336	22	3	8-φ19	
150	360	285	240	211	369	24	3	8-φ23	
200	435	335	295	266	442	26	3	12-φ23	
250	510	405	355	319	627	28	3	12-φ28	
350	590	520	470	429	670	29	4	16-φ28	
400	720	580	525	480	800	32	4	16-φ31	
450	740	640	585	548	855	33	4	20-φ31	
500	810	715	650	609	965	38	5	20-φ34	