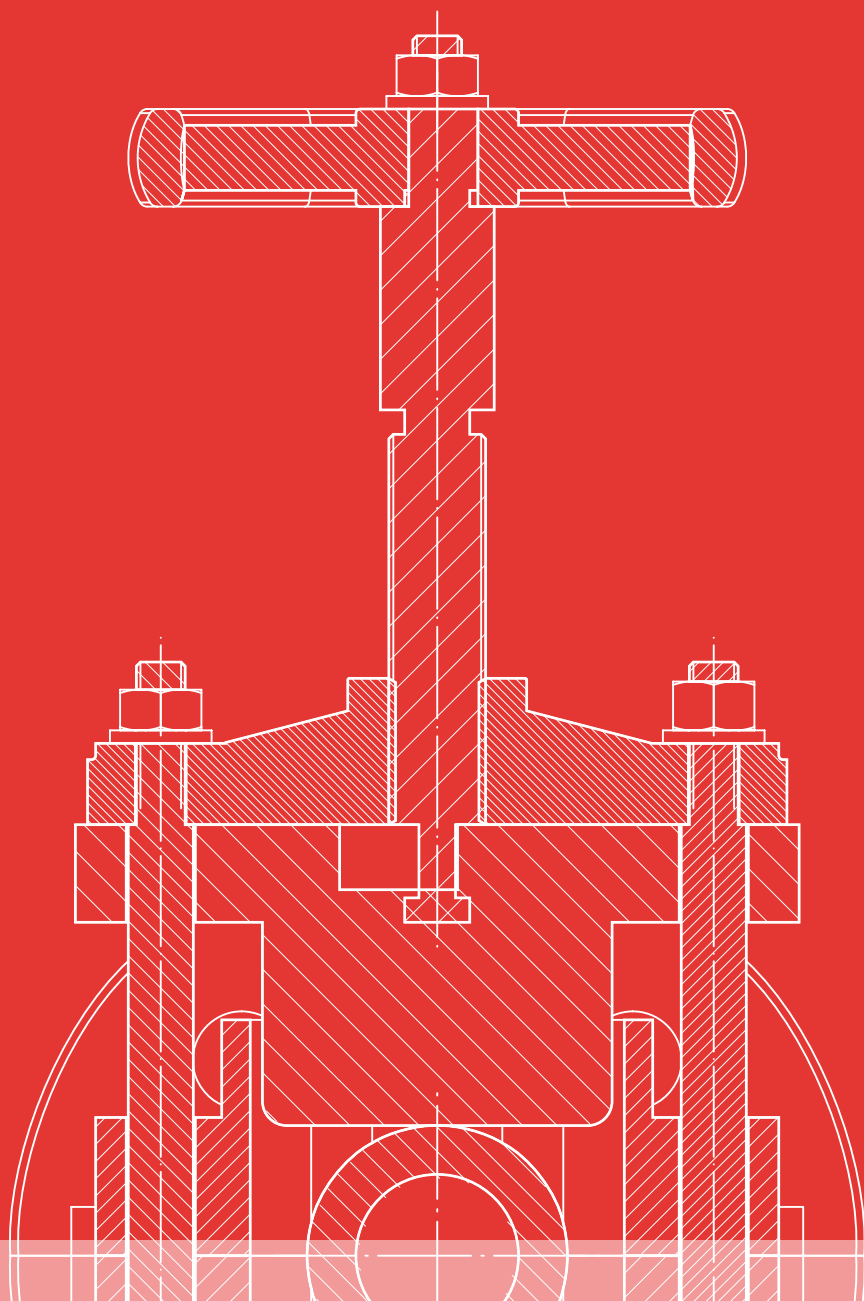


VALVOLE



Valves' List



GALASSI & ORTOLANI

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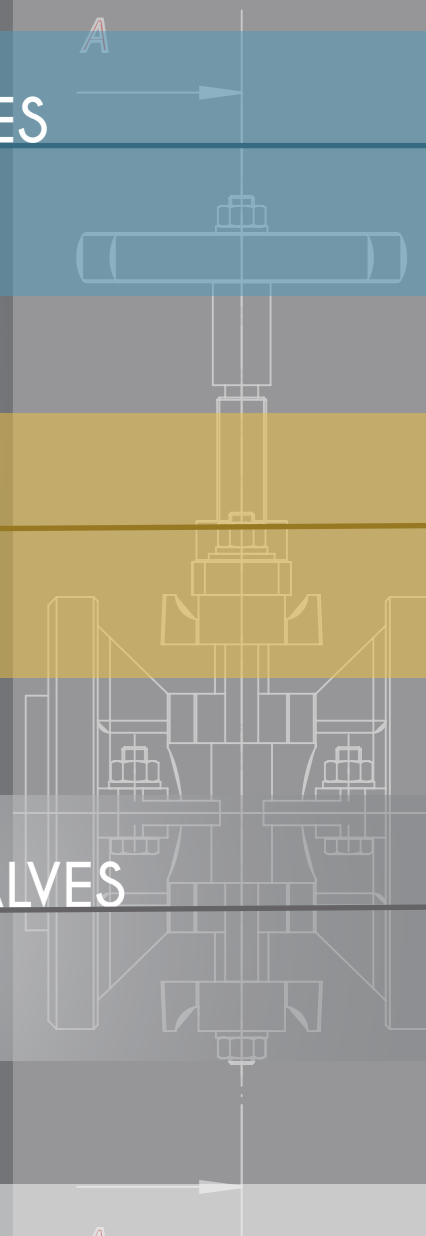
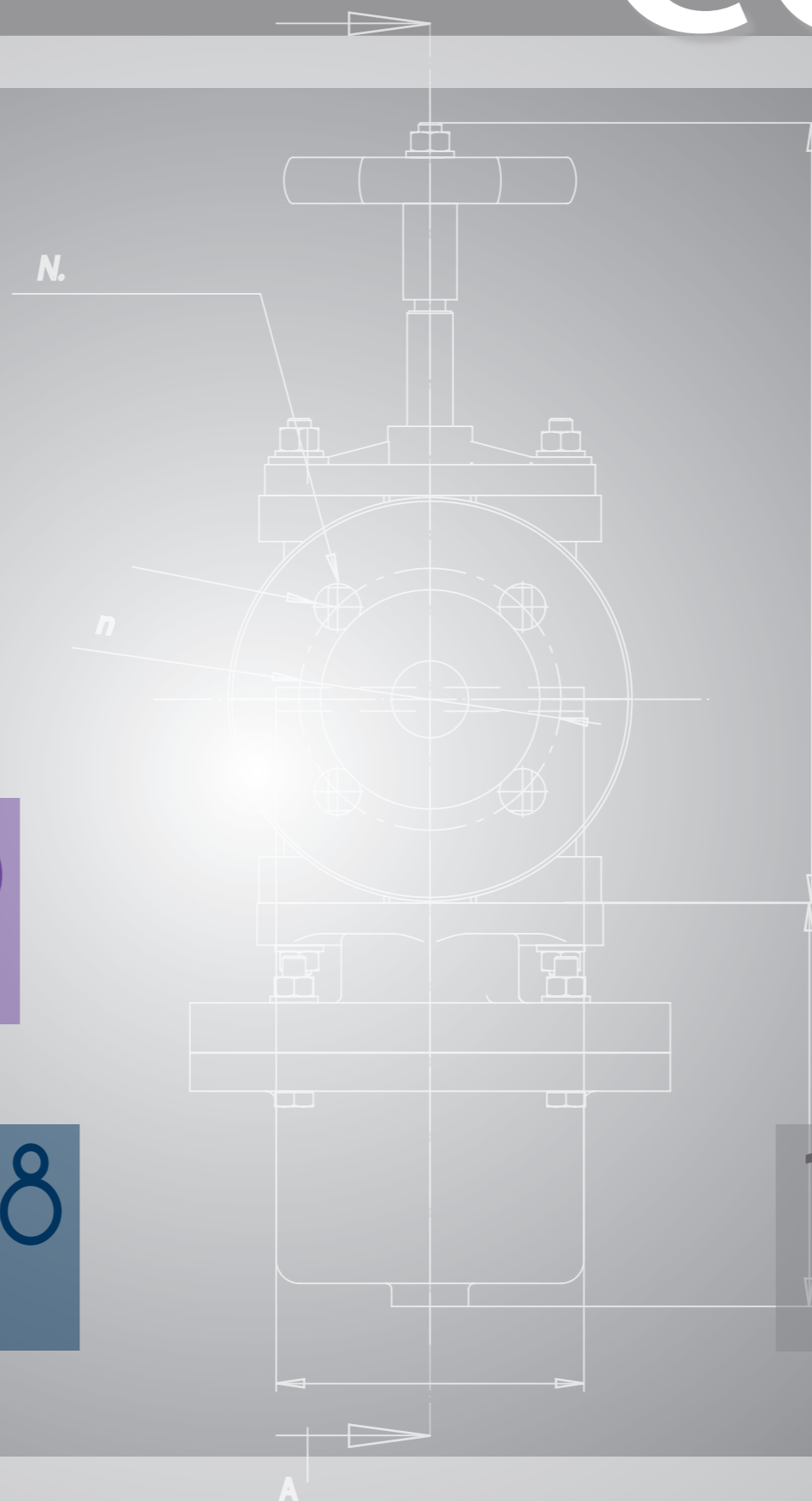
DIAPHRAGM VALVES 78

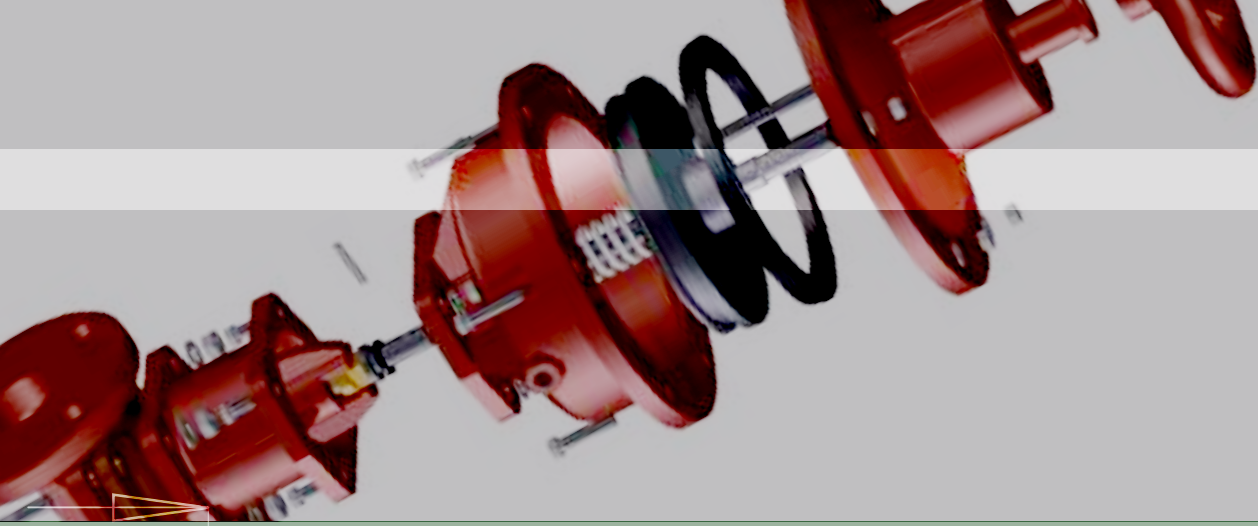
136 CHECK VALVES

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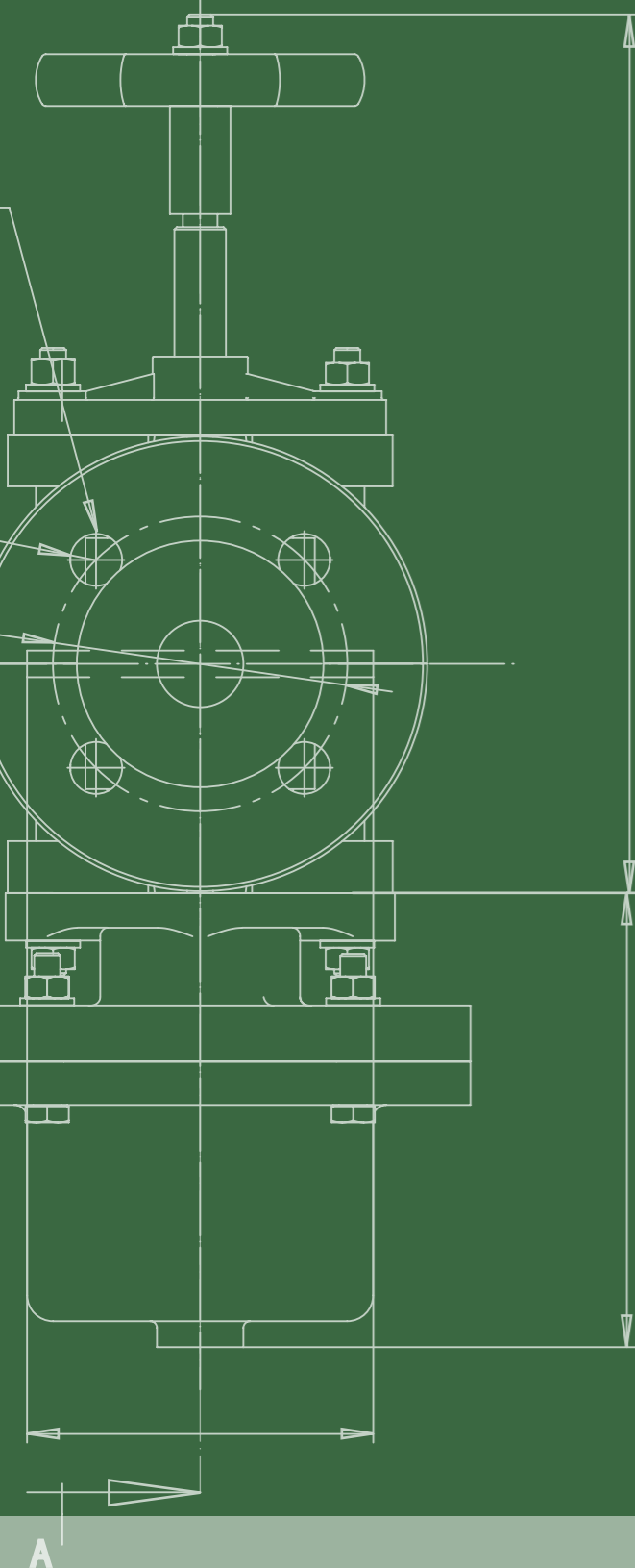
170 GATE VALVES

186 TERMOPLASTIC VALVES



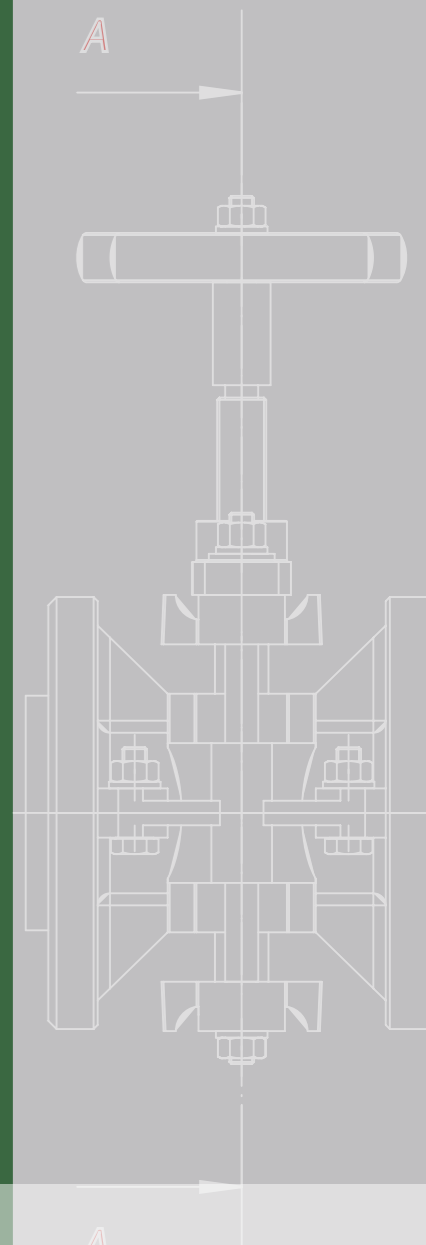
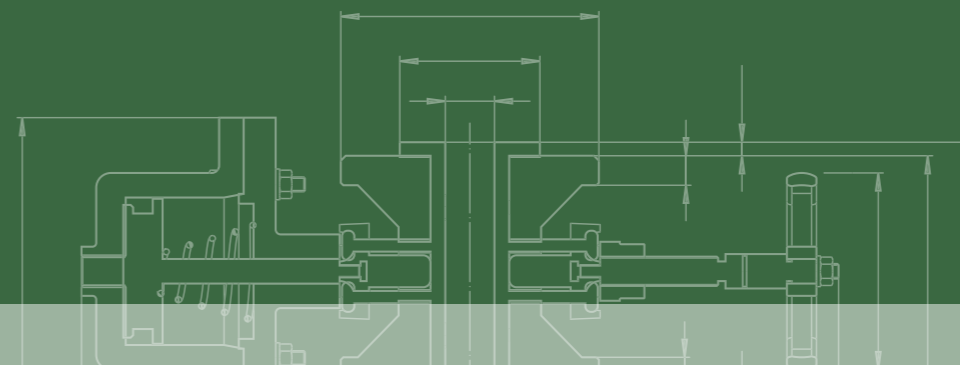


PINCH VALVES



PINCH VALVE 6

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THE ANSWER TO PROBLEMS OF: CORROSION, ABRASION, GRANULATED MATERIALS, POWDERS, SLUDGE, GAS ETC.



Hand and pneumatic operated pinch valves do not incorporate any stuffing box and are leaktight on all liquids, slurries, granular materials, powders, pastes, gases, acids etc..

Sleeve (internal rubber) is supported during opening and closing, and is easily replaceable without any special tools. The wide range of available elastomer materials enables an appropriate selection for each application and is a guarantee of perfect resistance to corrosion and abrasion.

PRODUCT FEATURES

- Straight through way
- Sized from 1/4" through 14"
- Flanged valves in according to UNI PN 10 and ANSI/ASME 150#
- Manual, pneumatic and electric operators

PERFORMANCE FEATURES

- No loss of head
- Faultless sealing on liquids, fluid suspensions, granulated materials, powders, sludge, gas, etc.
- No packing
- Quick and easy replacement of sleeve, no special tooling required
- Sleeve supported during opening and closing: hence the possibility of under vacuum operation
- No maintenance
- Long durability
- Threaded spindles and side tie rods in stainless steel
- Cylinders in aluminium and specially treated cylinder springs on pneumatic models
- Epoxy painted, valve bodies protected with an anti-acid varnish

BODY VALVE MATERIALS

- Cast iron GG25/Cast iron A126
- Spheroidal cast iron GGG40/Ductil iron ASTM A 395
- Pure aluminium
- Cast steel A 216 grade WCB
- Cast steel A 352 grade LCB
- 316 Stainless steel ASTM A 351 grade CF3M
- 316 L Stainless steel ASTM A 351 grade CF8M

MATERIAL OF SLEEVES

- Natural rubber
- White natural rubber
- Neoprene
- EPDM
- Viton
- Butyl
- Nitrile
- Hypalon
- Silicone
- Neoprene/Silicon (mixed)

CERTIFICATES AVAILABLE

- EN 10204 3.1.B
- EN 10204 2.2

INSPECTION TESTS AVAILABLE BY

- SGS GLOBAL TRADE SOLUTIONS
- ITS INTERTEK TESTING SERVICES
- BV BUREAU VERITAS

MAJOR MARKETS SERVED

- Chemical process
- Power generation
- Water treatment
- Mining
- Pulp & Paper
- Nuclear
- Pharmaceutical
- Food & Beverage
- Sugar

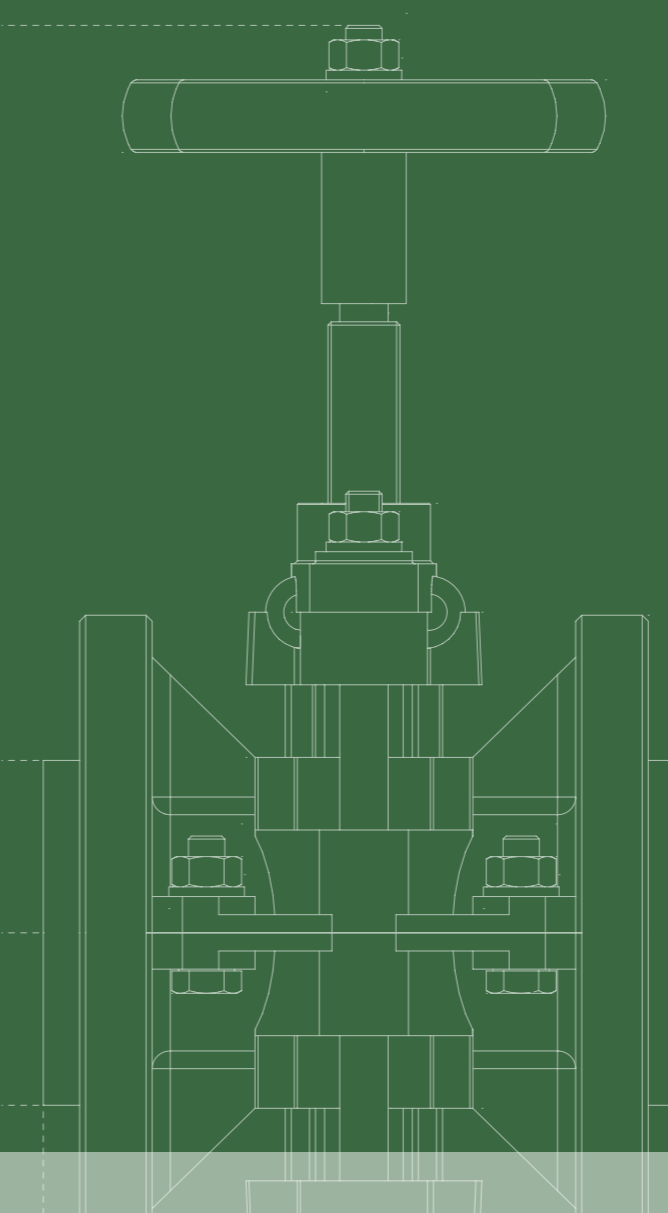
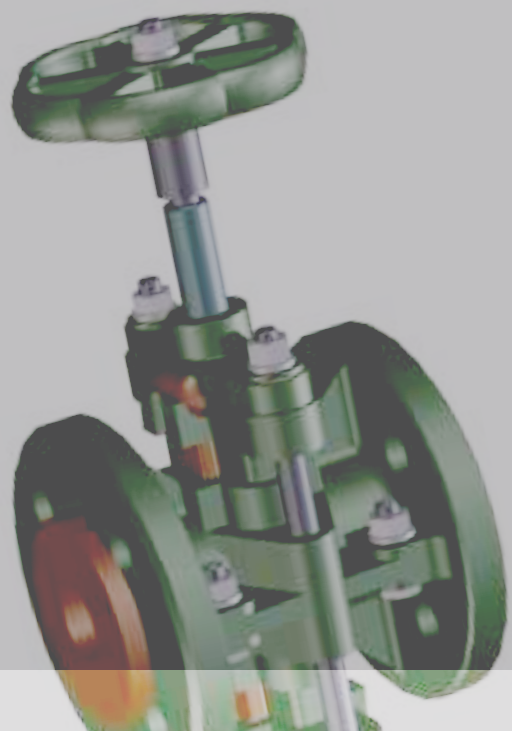
OPTIONS

- Limit switches
- Solenoid valve
- Position indicator
- Air filter regulator
- 3:15 PSI positioner
- 4:20mA electropneumatic positioner or 4:20mA electronic transmitter of position 30°-90°angle
- Triphase AC motor

G&O SERIES PNEUMATIC ACTUATORS

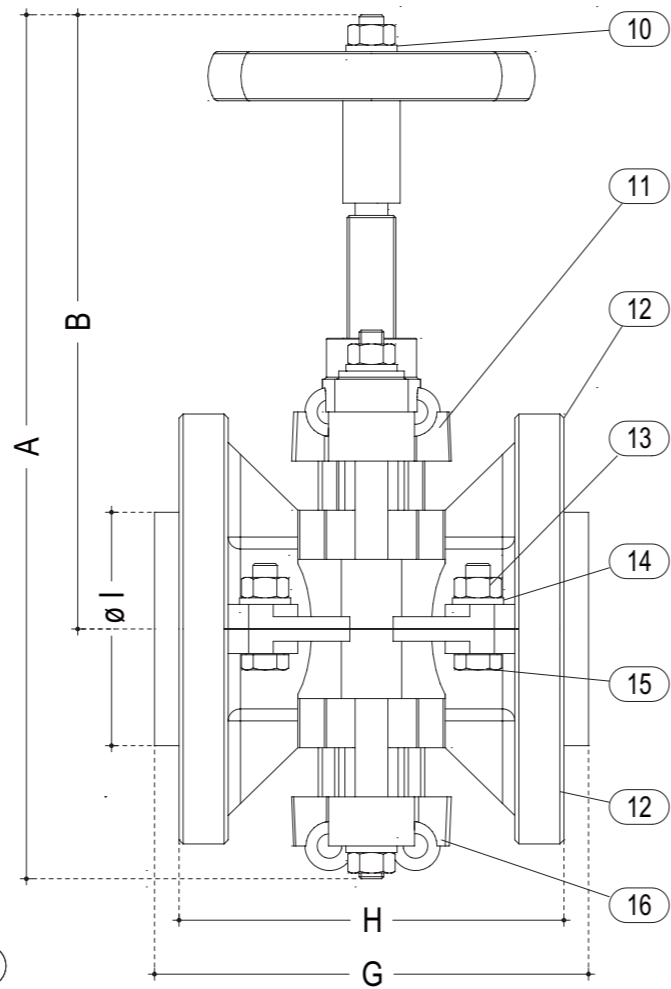
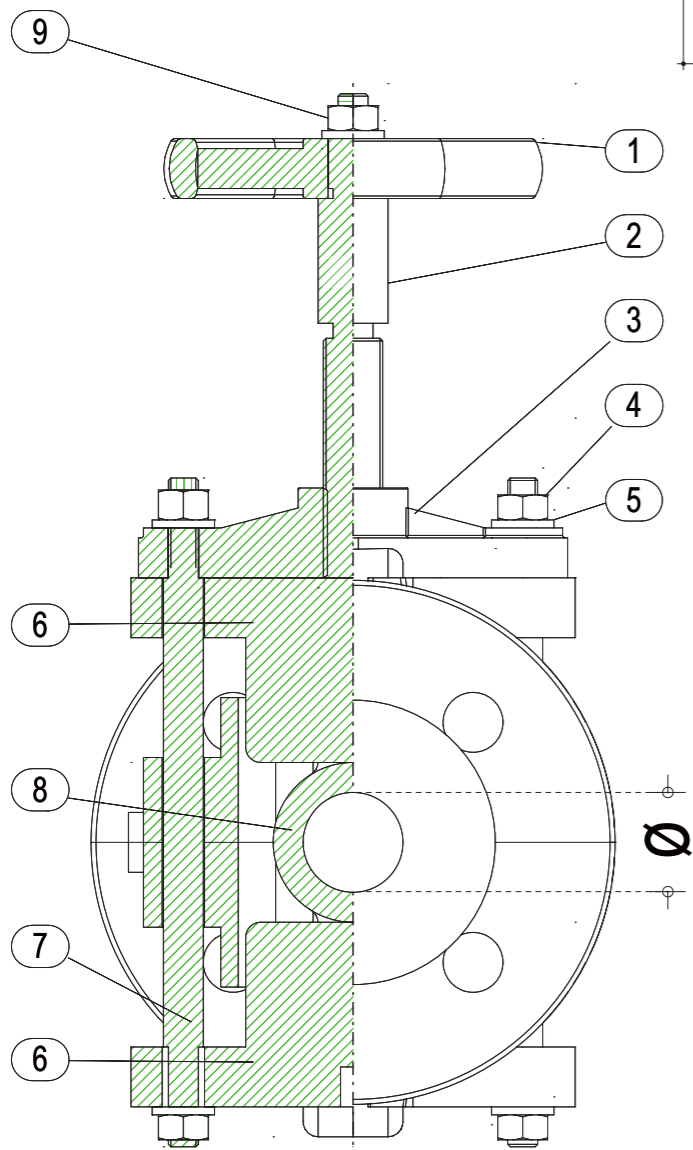
Piston type air operators line offer a great solution to a wide range of actuation situations. They are exclusively designed to G&O series pinch valves and can be mounted in any position. These actuators are built in aluminium and are available in three options:

- single effect acting - fail to close (air to open)
 - single effect acting - fail to open (air to close)
 - double effect acting - fail to open & fail to close
- Single effect acting actuators are fitted by an extractable handwheel for security.



Model GS1

PINCH VALVES



DETAILS	
1	WHEEL
2	LEAD SCREW
3	SUPPORT
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	HEXAGON NUT
10	WASHER
11	UPPER RETURN BUSHING BRONZE
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	LOWER RETURN BUSHING

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
10	5	10	5	4
15	5	10	5	4
20	5	10	5	4
25	5	10	5	4
30	5	10	5	4
40	5	10	5	4
50	5	10	5	4
60	5	10	5	4
70	5	10	5	4
80	5	10	5	3
90	5	10	5	3
100	4	10	4	3
125	4	10	4	3
150	4	8	4	3
175	4	8	4	3
200	4	8	4	3

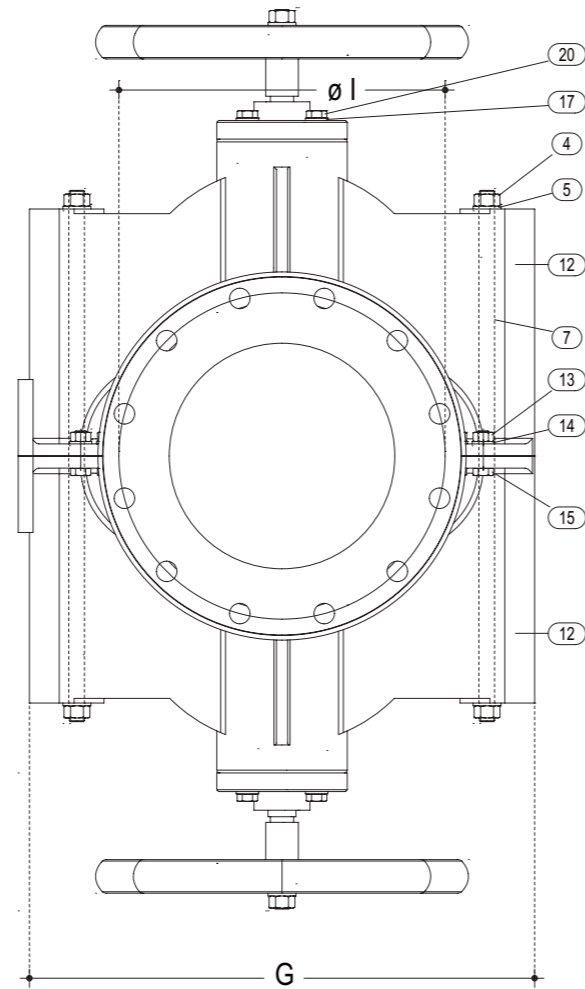
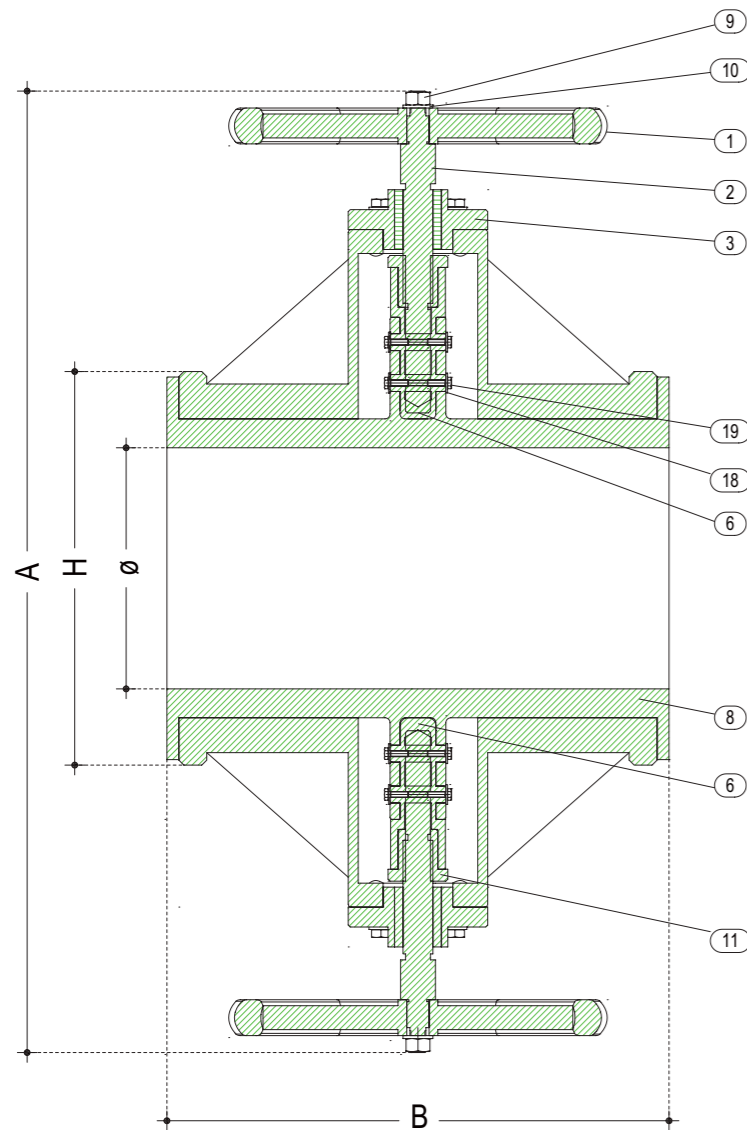
WEIGHT KG	
ALUMINIUM	C.I.
0,600	1,000
0,800	1,500
1,300	3,000
1,800	3,600
2,800	5,600
4,000	8,000
5,000	10,300
6,500	13,600
7,600	15,000
9,200	18,000
15,000	28,000
14,500	26,600
22,000	40,000
27,000	51,000
37,000	67,000
41,400	72,000

DIMENSIONS					
Ø	A	B	G	H	I
10	145	100	73	65	50
15	165	115	92	80	50
20	210	150	107	95	58
25	230	160	118	106	60
30	255	178	130	115	78
40	305	212	154	140	88
50	335	233	176	160	102
60	355	245	194	180	130
70	390	260	206	190	137
80	420	280	215	196	148
90	490	320	250	232	178
100	500	330	275	260	158
125	630	415	300	280	198
150	680	445	330	300	222
175	765	500	355	335	280
200	840	550	375	350	298

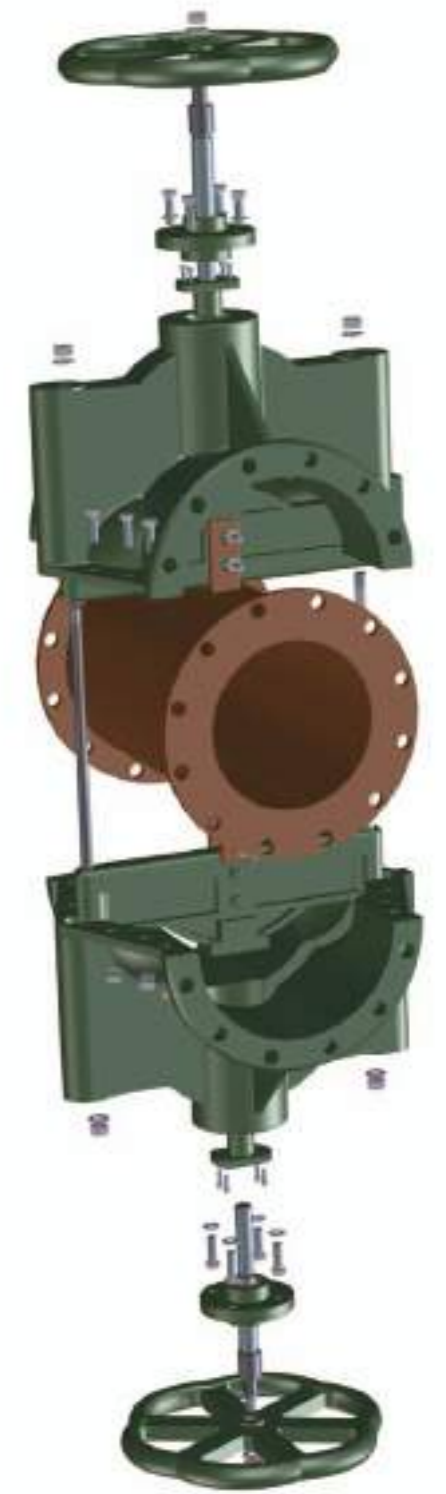
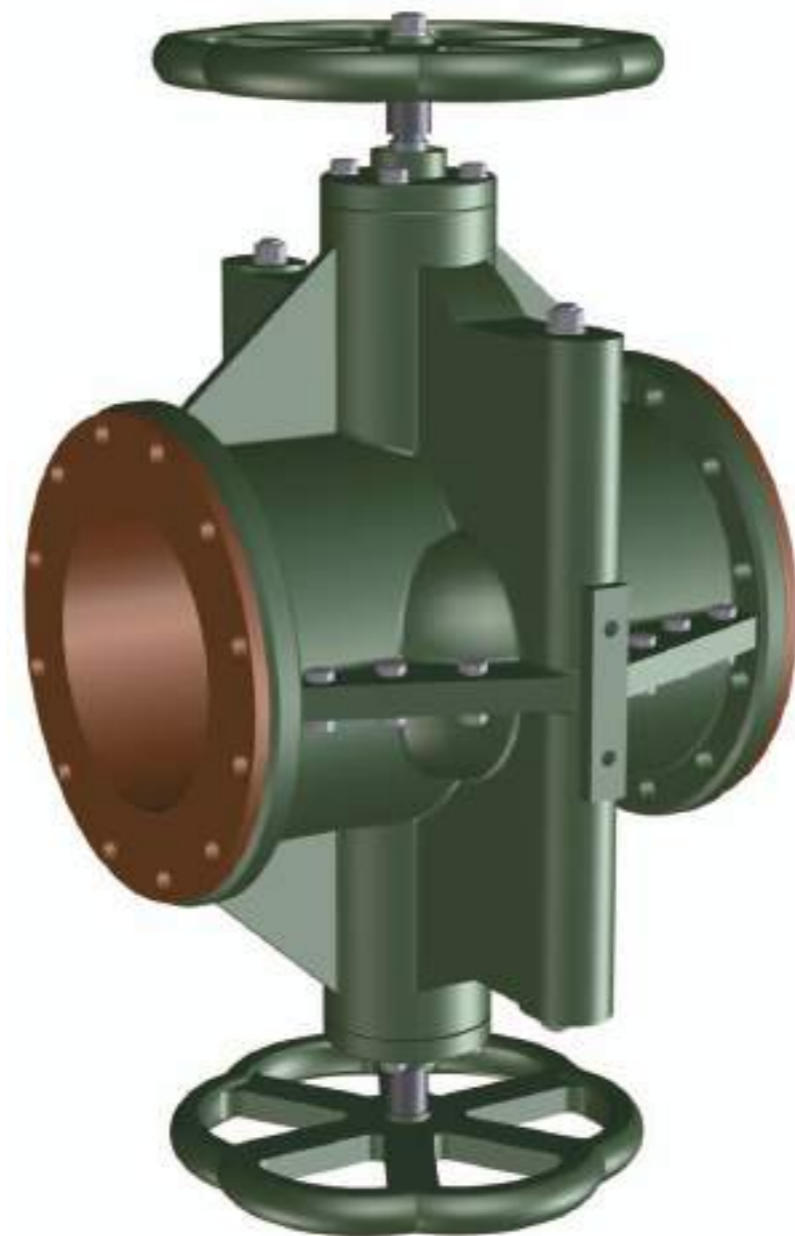
NOTE: For different pressure details please ask the DPT

Model GS2

PINCH VALVES



DETAILS	
1	WHEEL
2	LEAD SCREW
3	BUSHING
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	HEXAGON NUT
10	WASHER
11	BUSHING
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	CLAMPING SCREW FOR BUSHING
17	WASHER
18	WASHER
19	CLAMPING SCREW FOR BUSHING
20	HEXAGON BOLT



PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST		WORKING PRESSURE
		kg/cm ²		
		OPEN	CLOSE	kg/cm ²
250	4	8	4	2,5
300	4	8	4	2,5
350	3,5	8	3,5	2

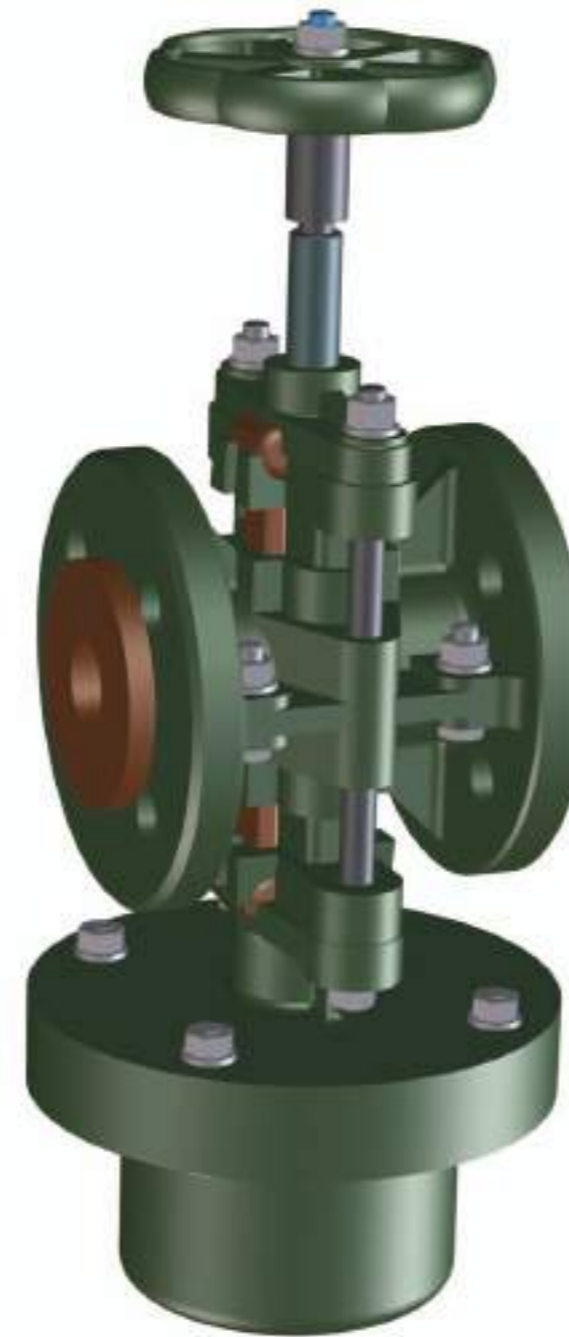
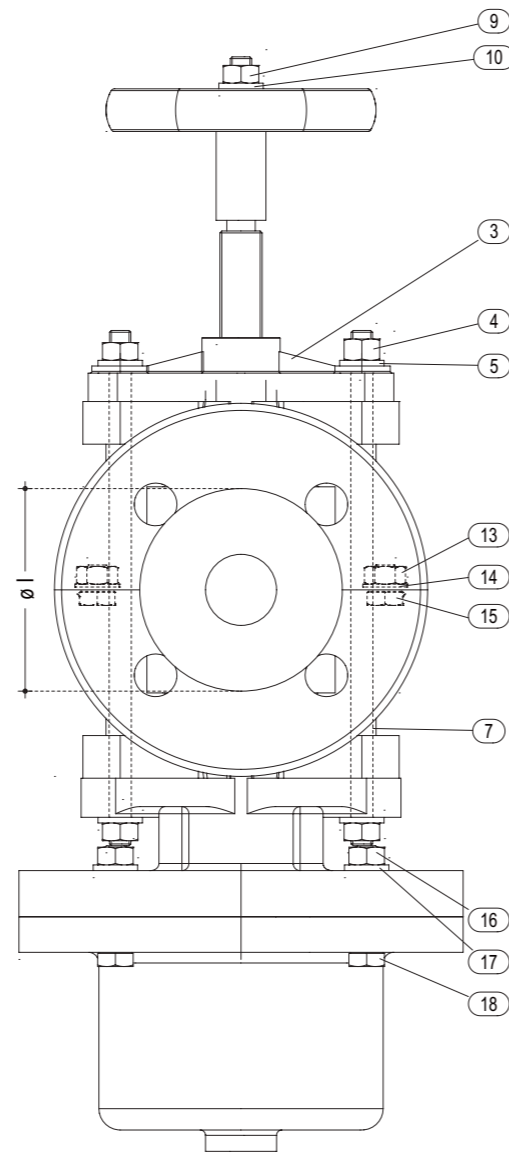
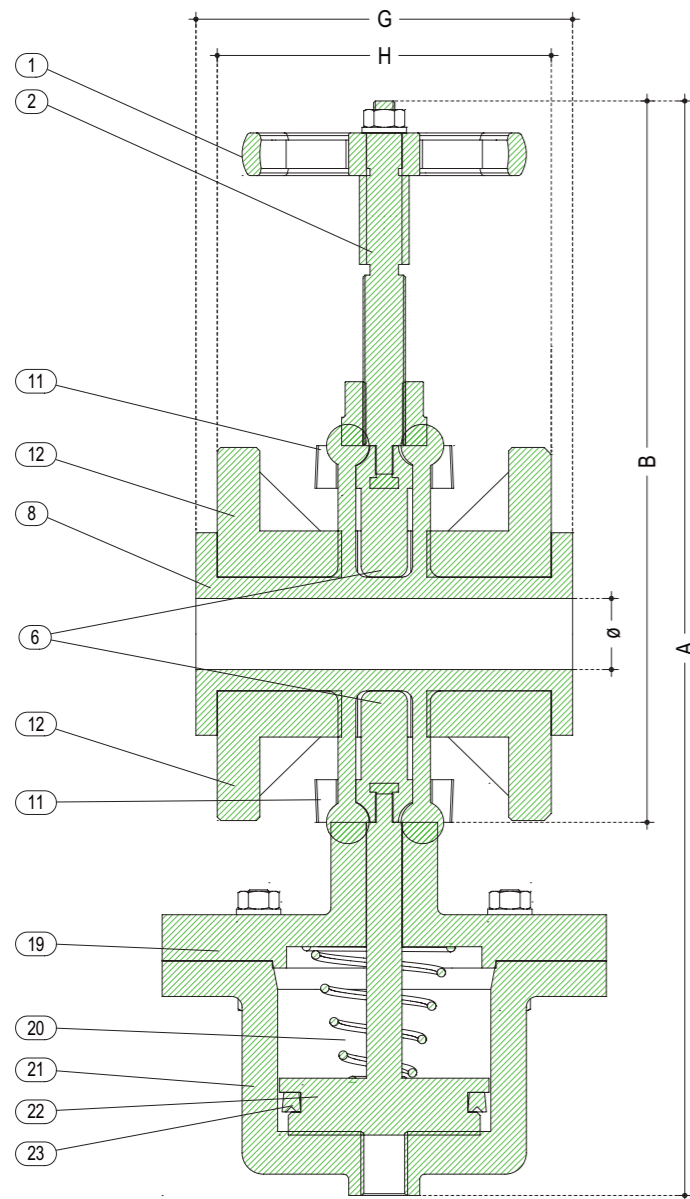
WEIGHT KG	
ALUMINIUM	C.I.
82,000	150,000
104,000	200,000
166,000	328,000

DIMENSIONS					
Ø	A	B	G	H	I
250	1100	510	515	395	350
300	1200	600	605	445	400
350	1300	700	720	505	460

NOTE: For different pressure details please ask the DPT

Model GS5

PINCH VALVES



DETAILS

1	WHEEL
2	LEAD SCREW
3	SUPPORT
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	HEXAGON NUT
10	WASHER
11	RETURN BUSHING BRONZE
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON NUT
19	SUPPORT AND CYLINDER
20	SPRINGS
21	CYLINDER
22	PISTON AND DRIVE PIN
23	"V" GASKET
24	RUBBER TUBE

PRESSURE DETAILS UNI_1284

DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	5	10	5	4
25	5	10	5	4
30	5	10	5	4
40	5	10	5	4
50	5	10	5	4
60	5	10	5	4
70	5	10	5	4
80	5	10	5	3
90	5	10	5	3
100	4	10	4	3
125	4	10	4	3
150	4	8	4	3
175	4	8	4	3
200	4	8	4	3

AIR PRESSURE REQUIRED KG/CM²

dn	20	25	30	40	50	60	70	80	90	100	125	150	175	200
min.	4	4	4	4	4	4	4	3,5	3,5	3,5	3,5	3,5	3,5	3,5
max.	6	6	6	5	5	5	5	4,5	4,5	4,5	4,5	4,5	4,5	4,5

WEIGHT KG

	ALUMINIUM	C.I.
20	3,000	5,000
25	4,500	6,000
30	5,200	8,000
40	7,700	12,200
50	9,000	13,600
60	12,100	19,000
70	13,500	21,000
80	15,000	23,000
90	23,000	29,000
100	23,000	36,000
125	33,000	52,000
150	43,500	65,000
175	54,000	79,000
200	61,000	94,500

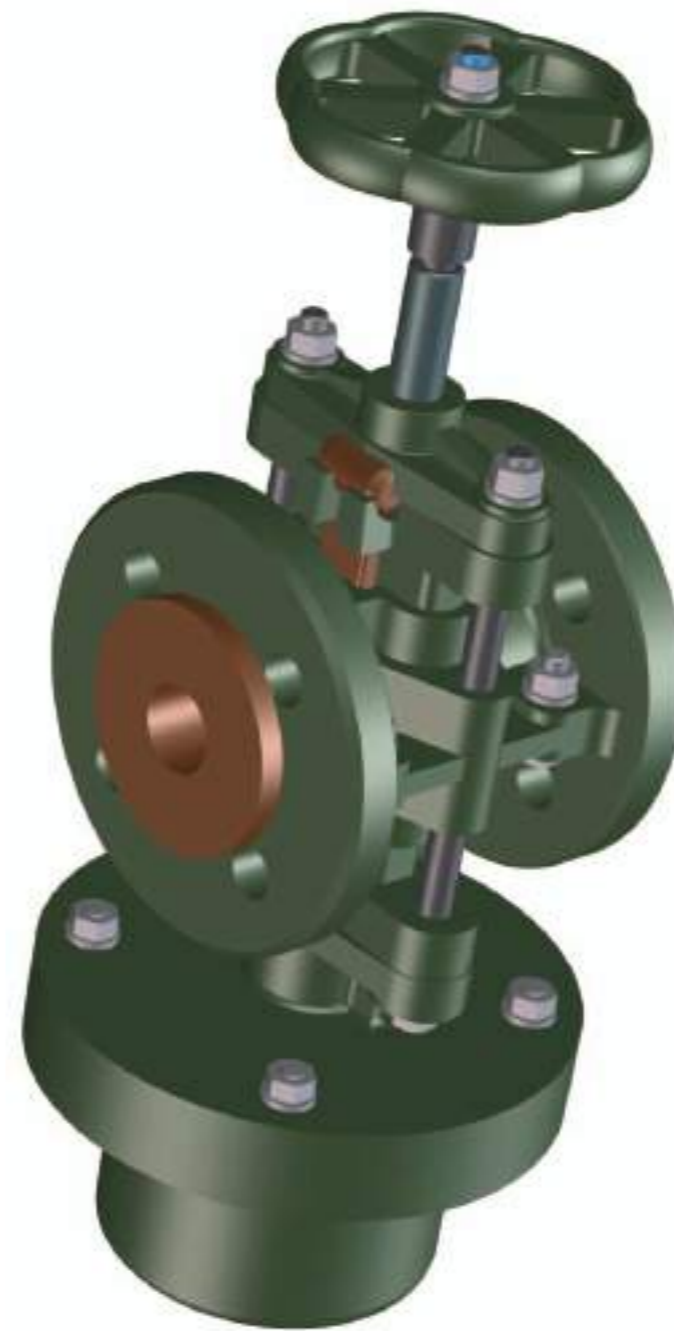
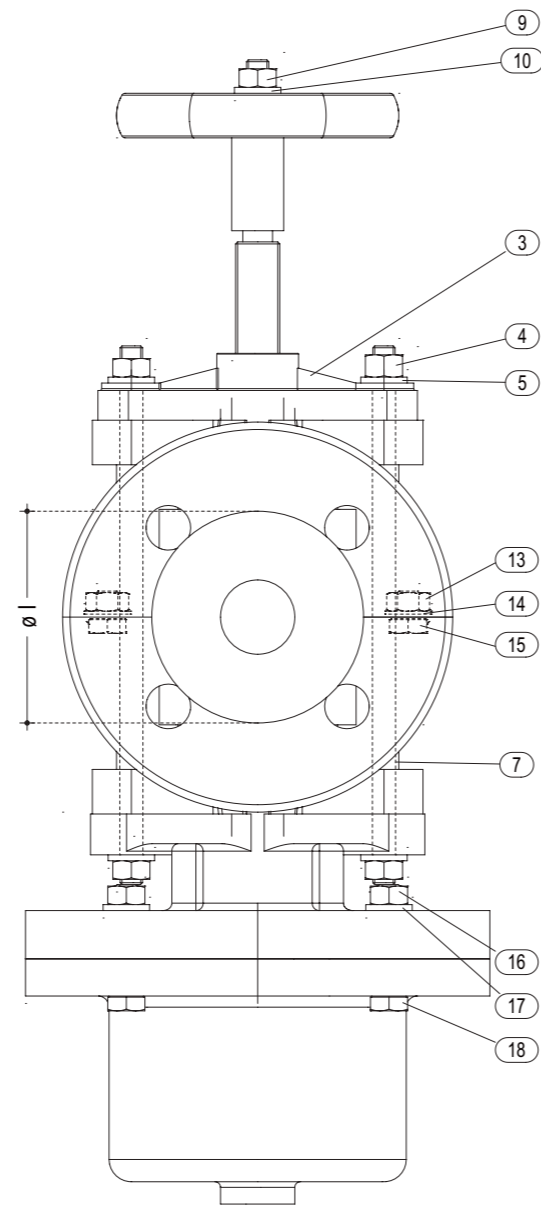
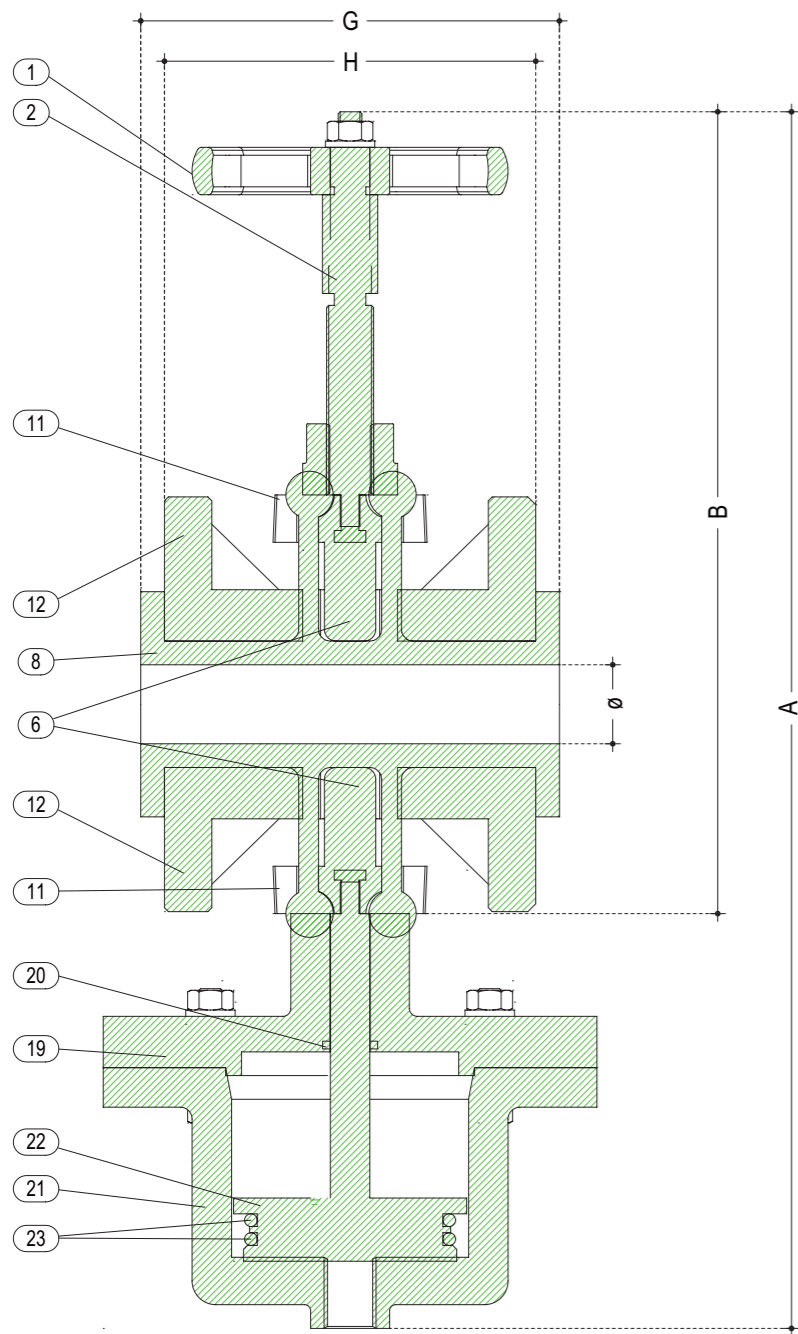
DIMENSIONS

Ø	A	B	G	H	I
20	310	205	107	95	58
25	345	220	118	106	68
30	380	245	130	115	78
40	445	300	154	140	88
50	495	330	176	160	102
60	525	350	194	180	130
70	565	280	206	190	137
80	605	410	215	196	148
90	665	450	250	232	178
100	715	490	275	260	158
125	850	600	300	280	198
150	935	650	330	300	222
175	1055	740	355	335	280
200	1142	800	375	350	298

NOTE: For different pressure details please ask the DPT

Model GS5D

PINCH VALVES



DETAILS

1	WHEEL
2	LEAD SCREW
3	SUPPORT
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	HEXAGON NUT
10	WASHER
11	RETURN BUSHING BRONZE
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON NUT
19	SUPPORT AND CYLINDER
21	CYLINDER
22	PISTON AND DRIVE PIN
23	"V" GASKET

PRESSURE DETAILS UNI_1284

DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	5	10	5	4
25	5	10	5	4
30	5	10	5	4
40	5	10	5	4
50	5	10	5	4
60	5	10	5	4
70	5	10	5	4
80	5	10	5	3
90	5	10	5	3
100	4	10	4	3
125	4	10	4	3
150	4	8	4	3
175	4	8	4	3
200	4	8	4	3

AIR PRESSURE REQUIRED KG/CM²

dn	20	25	30	40	50	60	70	80	90	100	125	150	175	200
min.	4	4	4	4	4	4	4	3,5	3,5	3,5	3,5	3,5	3,5	3,5
max.	6	6	6	5	5	5	5	4,5	4,5	4,5	4,5	4,5	4,5	4,5

WEIGHT KG

	ALUMINIUM	C.I.
20	3,000	5,000
25	4,500	6,000
30	5,200	8,000
40	7,700	12,200
50	9,000	13,600
60	12,100	19,000
70	13,500	21,000
80	15,000	23,000
90	23,000	29,000
100	23,000	36,000
125	33,000	52,000
150	43,500	65,000
175	54,000	79,000
200	61,000	94,500

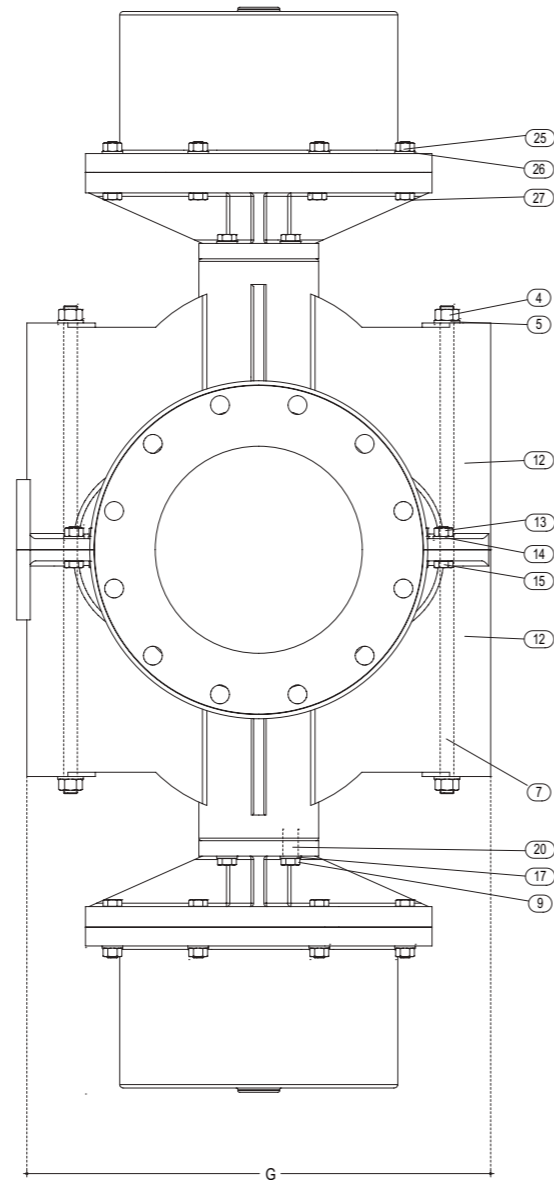
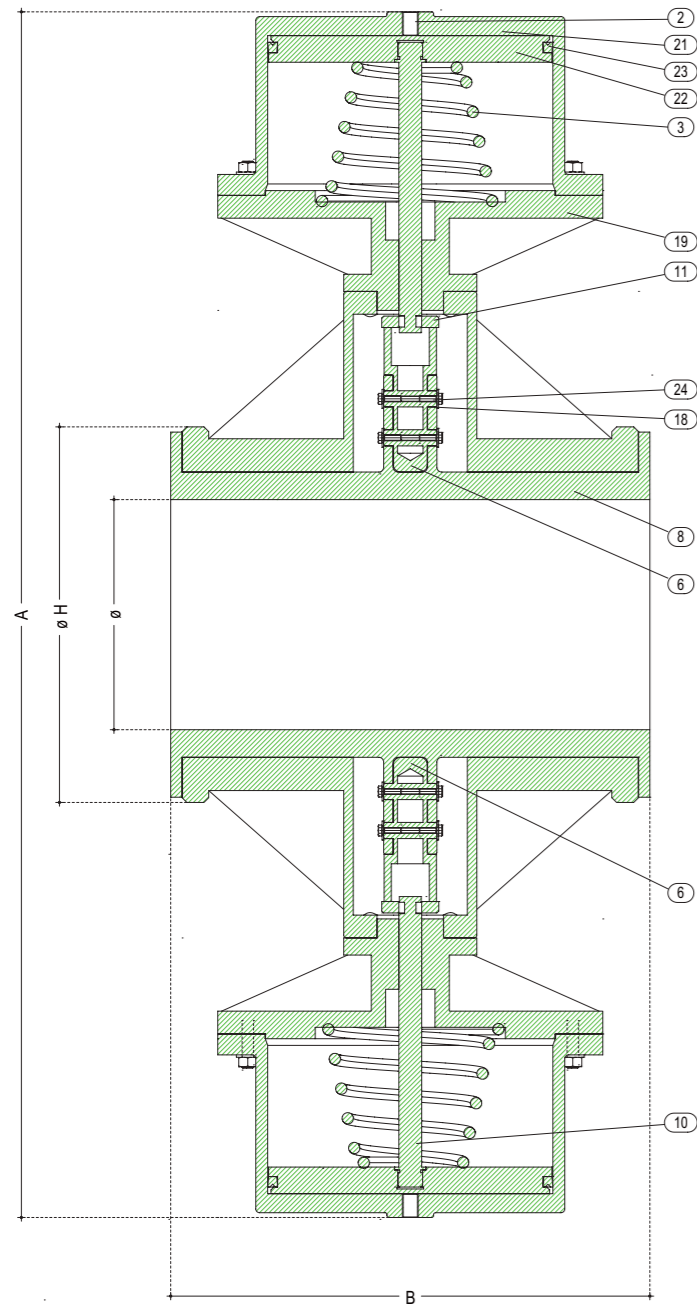
DIMENSIONS

Ø	A	B	G	H	I
20	310	205	107	95	58
25	345	220	118	106	68
30	380	245	130	115	78
40	445	300	154	140	88
50	495	330	176	160	102
60	525	350	194	180	130
70	565	280	206	190	137
80	605	410	215	196	148
90	665	450	250	232	178
100	715	490	275	260	158
125	850	600	300	280	198
150	935	650	330	300	222
175	1055	740	355	335	280
200	1142	800	375	350	298

NOTE: For different pressure details please ask the DPT

Model GS6

PINCH VALVES



DETAILS	
2	INSIDE PIPE FITTING
3	SPRINGS
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	HEXAGON NUT
10	DRIVE PIN
11	RETURN BUSHING
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	CLAMPING SCREW FOR BUSHING
17	WASHER
18	WASHER
19	SUPPORT AND CYLINDER
20	STUD BOLT
21	CYLINDER
22	PISTON
23	"V" GASKET
24	SCREW
25	HEXAGON NUT
26	WASHER
27	HEXAGON BOLT



AIR PRESSURE REQUIRED KG/CM ²			
dn	200	300	350
min.	3,5	3,5	3,5
max.	4,5	4,5	4,5

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
250	3	10	3	2
300	2,5	10	2,5	1,5
350	2,5	10	2,5	1,5

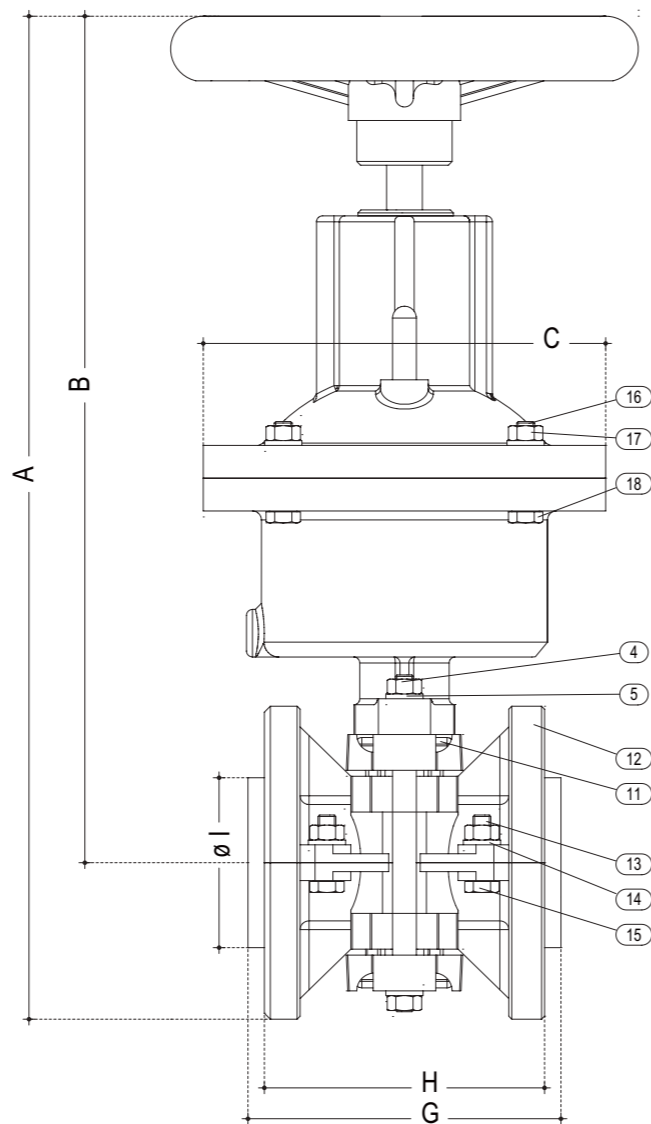
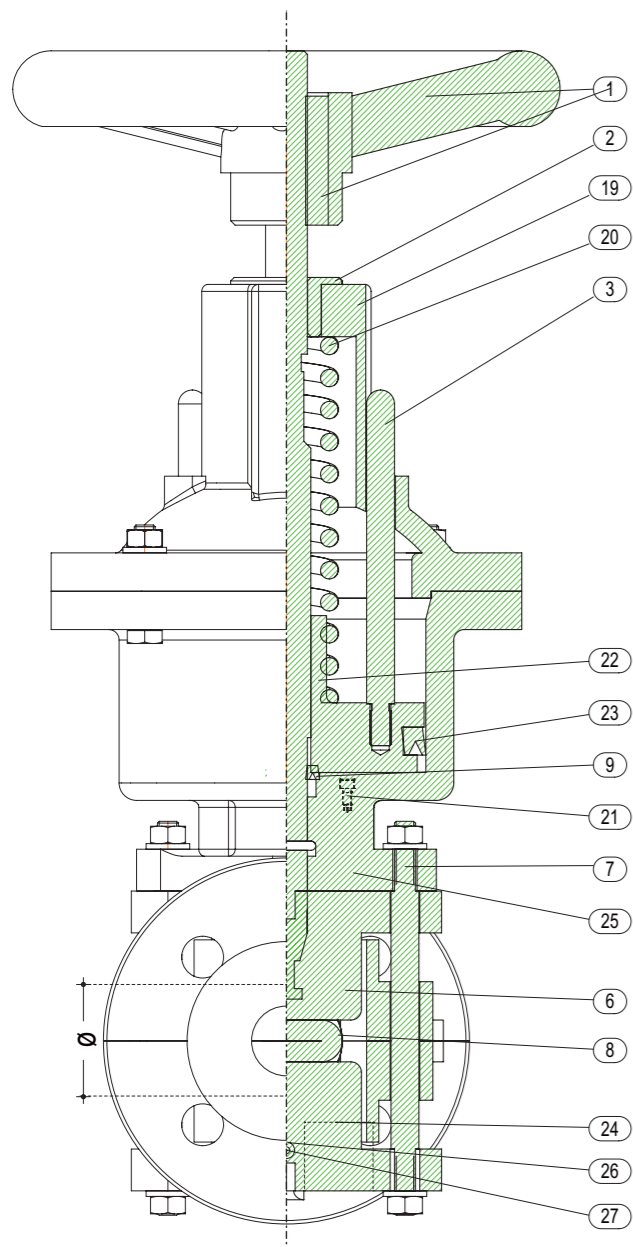
WEIGHT KG	
ALUMINIUM	C.I.
126,000	211,000
163,000	280,000
205,000	330,000

DIMENSIONS					
Ø	A	B	G	H	
250	1370	510	515	395	
300	1500	600	605	445	
350	1655	700	720	505	

NOTE: For different pressure details please ask the DPT

Model GS7

PINCH VALVES



DETAILS	
1	WHEEL AND BUSHING
2	SUPPORT RING
3	GUIDE PIN
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	SMALL "V" GASKET
10	RUBBER TUBE
11	RETURN BUSHING BRONZE
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON BOLT
19	COVER
20	SPRINGS
21	CYLINDER AND SUPPORT
22	PISTON PIN AND LEAD SCREW
23	"V" GASKET
24	LOWER PLUG
25	CLAMPING SCREW FOR BUSHING
26	WASHER
27	CLAMPING



Model GS7

AIR PRESSURE REQUIRED KG/CM ²							
dn	20	25	30	40	50	60	70 80
min.	4	4	4	4	4	4	4
max.	6	6	6	5	5	5	5

Model GS7A

AIR PRESSURE REQUIRED KG/CM ²					
dn	100	125	150	175	200
min.	4	4	4	4	4
max.	6	6	6	6	6

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	4,5	10	4,5	4
25	4,5	10	4,5	4
30	4,5	10	4,5	4
40	4,5	10	4,5	4
50	4,5	10	4,5	4
60	4	10	5	3
70	4	10	4	3
80	3,5	10	3,5	3
100	3,5	10	3,5	3
125	3,5	10	3,5	3
150	3,5	10	3,5	3
200	3,5	10	3,5	3

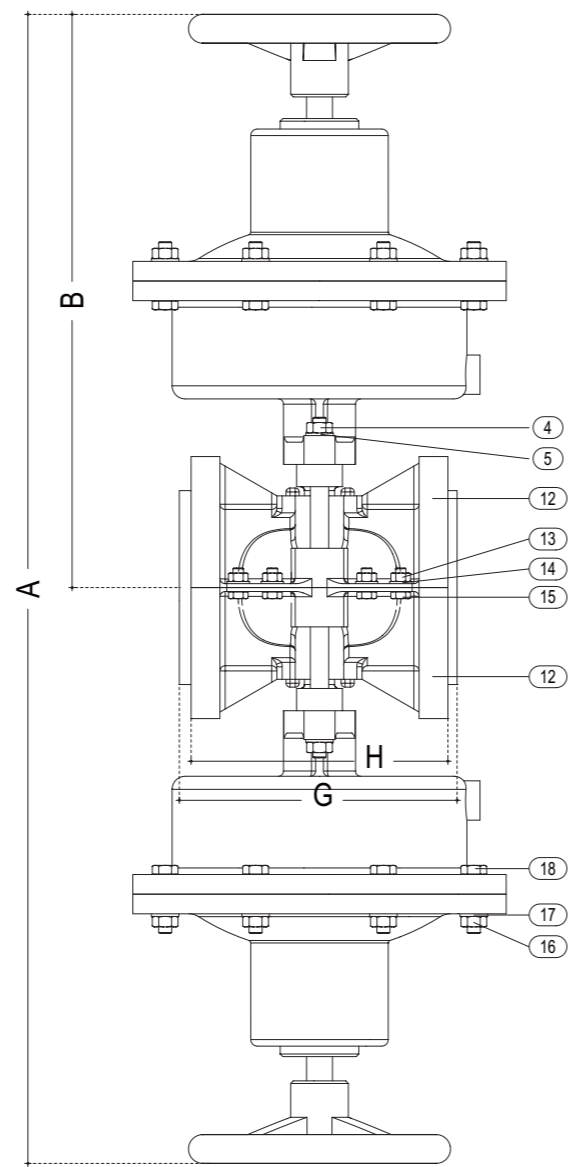
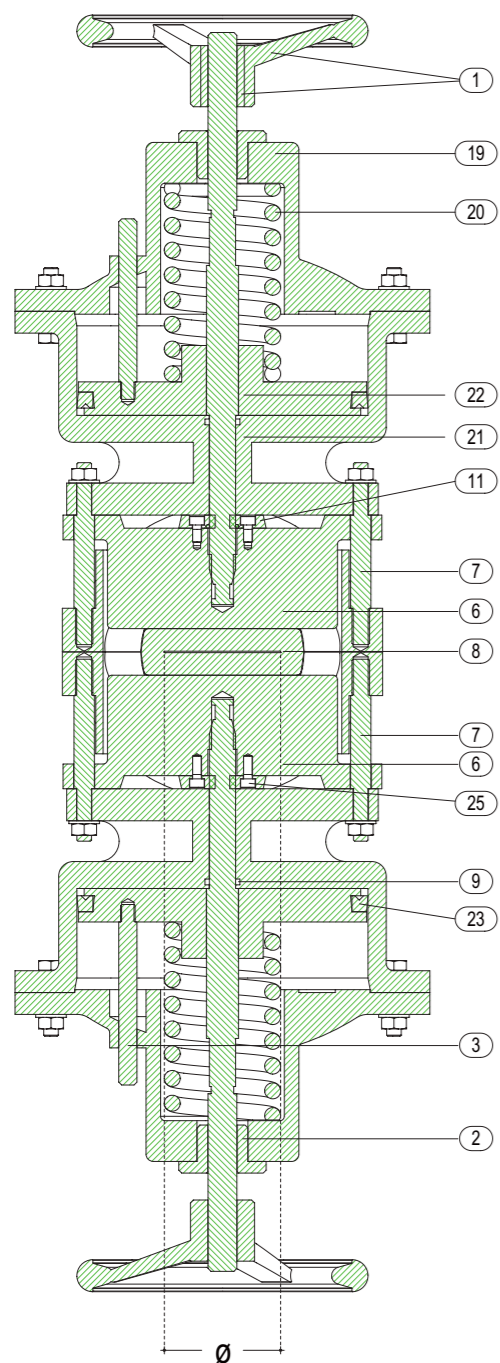
WEIGHT KG	
ALUMINIUM	C.I.
4,000	5,200
6,500	8,000
8,000	11,000
11,500	15,000
14,000	19,000
18,000	25,000
22,000	28,000
25,000	33,000
32,000	38,000
45,000	54,000
54,000	66,000
81,000	95,000

DIMENSIONS					
Ø	A	B	G	H	I
20	355	302,5	107	95	58
25	440	382,5	118	106	68
30	450	380	130	115	78
40	535	460	154	140	88
50	565	482,5	176	160	102
60	600	507,5	194	180	130
70	670	577,5	206	190	137
80	720	620	215	196	148
100	850	740	275	260	158
125	1000	875	300	280	198
150	1200	1058	330	300	222
200	1500	1330	375	350	298

NOTE: For different pressure details please ask the DPT

Model GS8

PINCH VALVES



DETAILS	
1	WHEEL AND BUSHING
2	SUPPORT RING
3	GUIDE PIN
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	SMALL "V" GASKET
10	RUBBER TUBE
11	RETURN BUSHING
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON BOLT
19	COVER
20	SPRINGS
21	CYLINDER AND SUPPORT
22	PISTON PIN AND LEAD SCREW
23	"V" GASKET
24	INSIDE PIPE FITTING
25	CLAMPING SCREW FOR BUSHING
26	WASHER
27	CLAMPING

AIR PRESSURE REQUIRED KG/CM ²							
dn	80	90	100	125	150	175	200
min.	3	3	3,5	3,5	4	4	4
max.	5	5	5	5	5	5	5

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST		WORKING PRESSURE
		kg/cm ²		
		OPEN	CLOSE	kg/cm ²
80	3,5	10	3,5	3
90	3,5	10	3,5	3
100	3,5	10	3,5	3
125	3	10	3	2,5
150	3	10	3	2,5
175	2,5	10	2,5	2
200	2	10	2	1,5

WEIGHT KG	
ALUMINIUM	C.I.
37,000	47,000
50,000	62,000
49,000	61,000
65,000	80,000
80,500	130,700
91,000	125,000
108,000	163,000

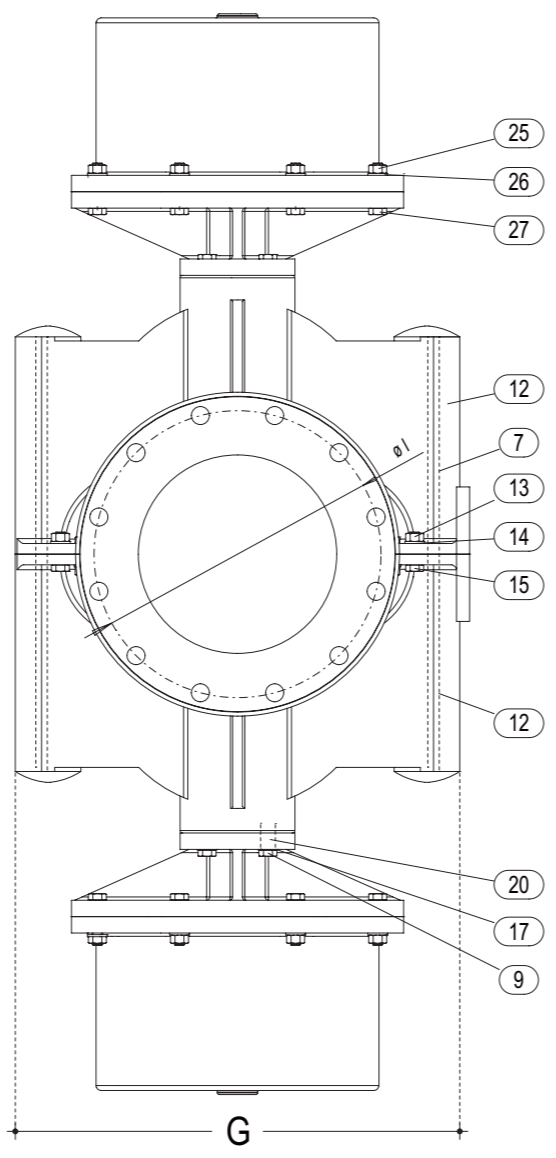
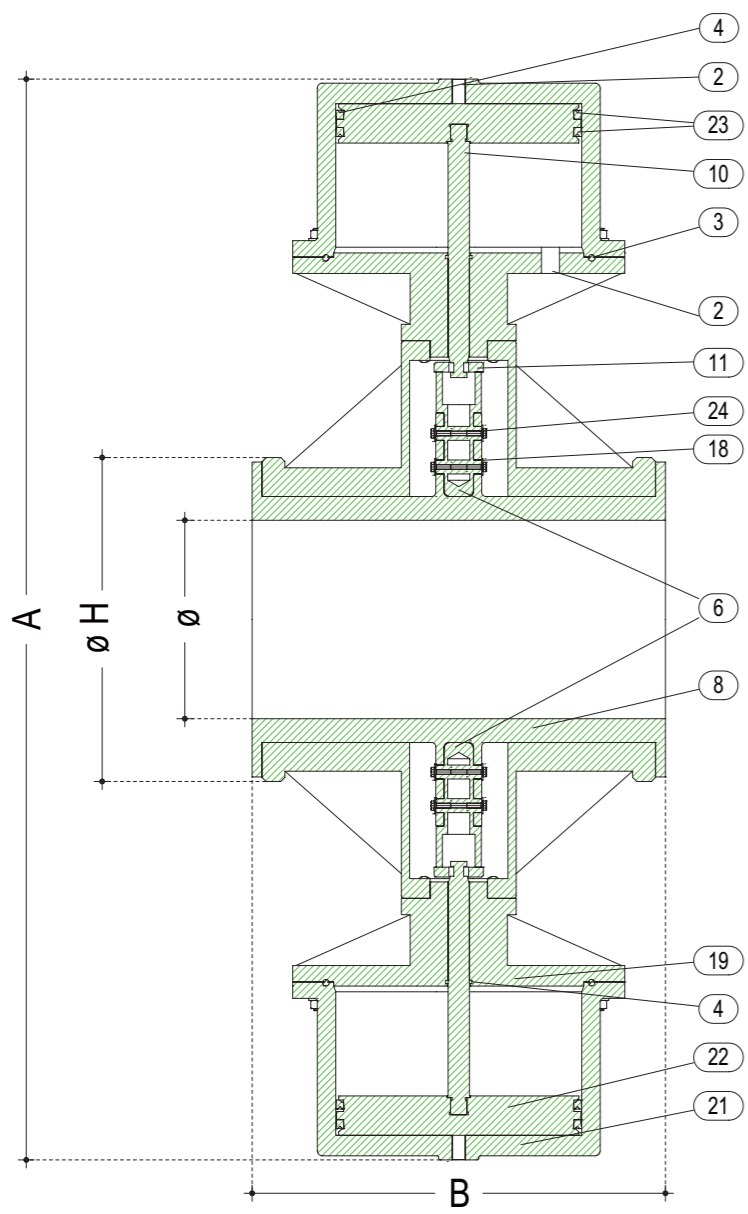
DIMENSIONS					
Ø	A	B	G	H	
80	940	470	215	196	
90	1230	615	250	232	
100	1230	615	275	260	
125	1290	645	300	280	
150	1400	700	330	300	
175	1490	745	355	335	
200	1550	775	375	350	

NOTE: For different pressure details please ask the DPT



Model GS18

PINCH VALVES



DETAILS	
2	INSIDE PIPE FITTING
3	GASKET
4	"V" GASKET
5	RUBBER TUBE
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	HEXAGON NUT
10	DRIVE PIN
11	RETURN BUSHING
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	CLAMPING SCREW FOR BUSHING
17	WASHER
18	WASHER
19	SUPPORT AND CYLINDER
20	STUD BOLT
21	CYLINDER
22	PISTON
23	"V" GASKET
24	CLAMPING SCREW
25	HEXAGON NUT
26	WASHER
27	HEXAGON BOLT

AIR PRESSURE REQUIRED KG/CM ²								
dn	100	125	150	175	200	250	300	350
min.	3	3	3	3	3	3	3	3
max.	6	6	6	5	5	4	4	4

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST		WORKING PRESSURE
		kg/cm ²		
		OPEN	CLOSE	
100	4	10	4	3
125	4	10	4	3
150	4	8	4	3
175	4	8	4	3
200	4	8	4	3
250	4	8	4	2,5
300	4	8	4	2,5
350	3,5	8	3,5	2

WEIGHT KG	
ALUMINIUM	C.I.
44,000	63,000
53,000	76,000
67,000	98,000
84,000	124,000
100,000	154,000
130,000	194,000
160,000	265,000
225,000	365,000

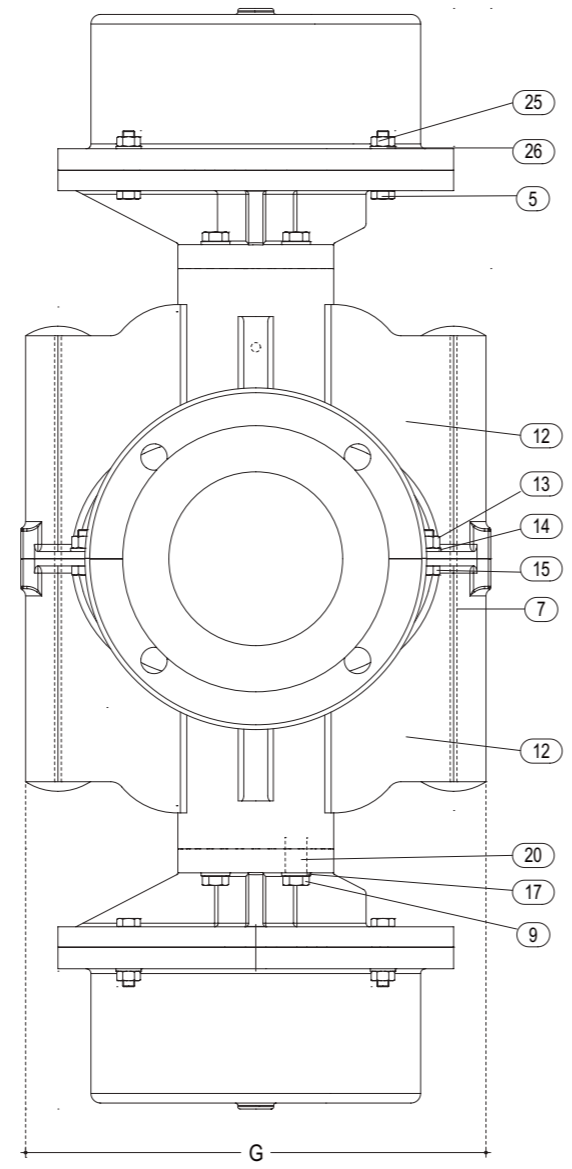
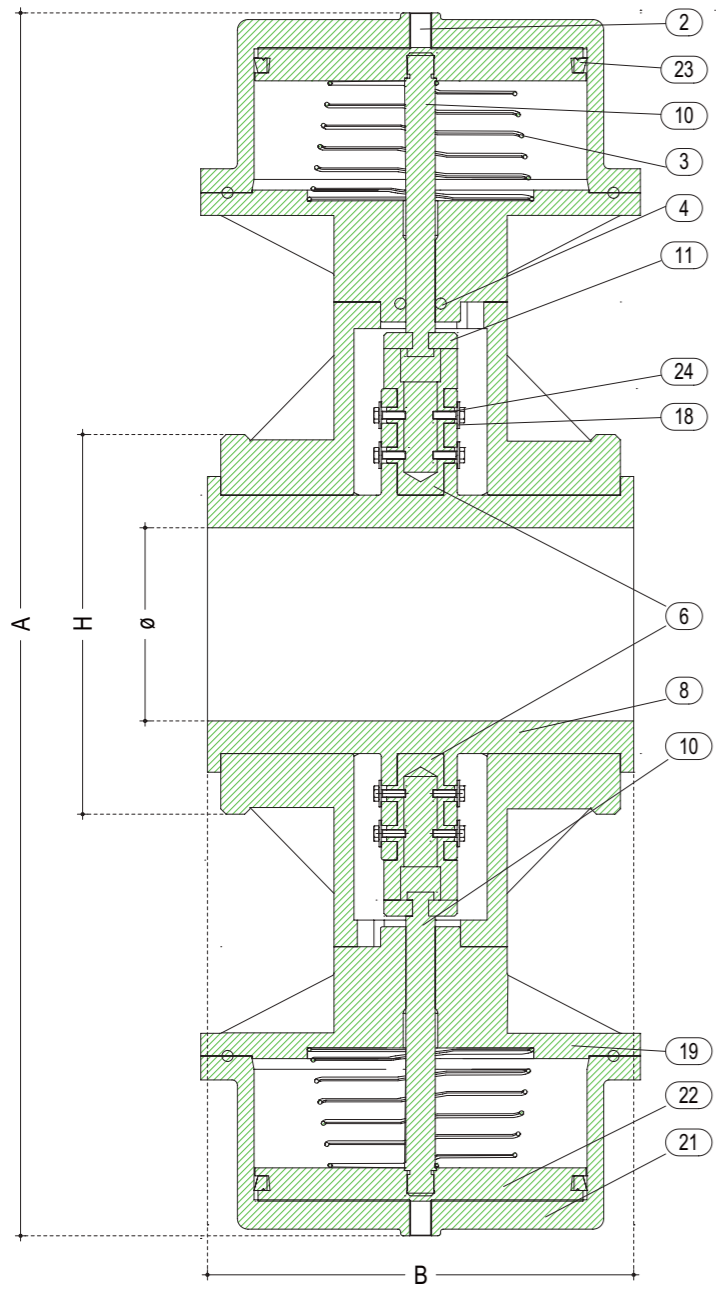
DIMENSIONS					
Ø	A	B	G	H	I
100	845	275	282	220	180
125	960	300	328	250	210
150	1055	330	384	285	240
175	1145	355	418	315	270
200	1255	375	460	340	295
250	1400	510	515	395	350
300	1540	600	605	445	400
350	1680	700	720	505	460



NOTE: For different pressure details please ask the DPT

Model GS19

PINCH VALVES



DETAILS	
2	INSIDE PIPE FITTING
3	SPRINGS
4	"V" GASKET
5	HEXAGON BOLT
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	HEXAGON NUT
10	DRIVE PIN
11	RETURN BUSHING
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	CLAMPING SCREW FOR BUSHING
17	WASHER
18	WASHER
19	SUPPORT AND CYLINDER
20	STUD BOLT
21	CYLINDER
22	PISTON
23	"V" GASKET
24	SCREW
25	HEXAGON BOLT
26	WASHER



AIR PRESSURE REQUIRED KG/CM ²										
dn	50	60	70	80	90	100	125	150	175	200
min.	3	3	3	3	3	3	3	3	3	3
max.	6	6	6	6	6	6	6	6	5	5

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST		WORKING PRESSURE
		kg/cm ²		
		OPEN	CLOSE	
50	5	10	5	4
60	5	10	5	4
70	5	10	5	4
80	4,5	10	4,5	3,5
90	4,5	10	4,5	3,5
100	4	10	4	3
125	4	10	4	3
150	4	8	4	3
175	4	8	4	3
200	4	8	4	3

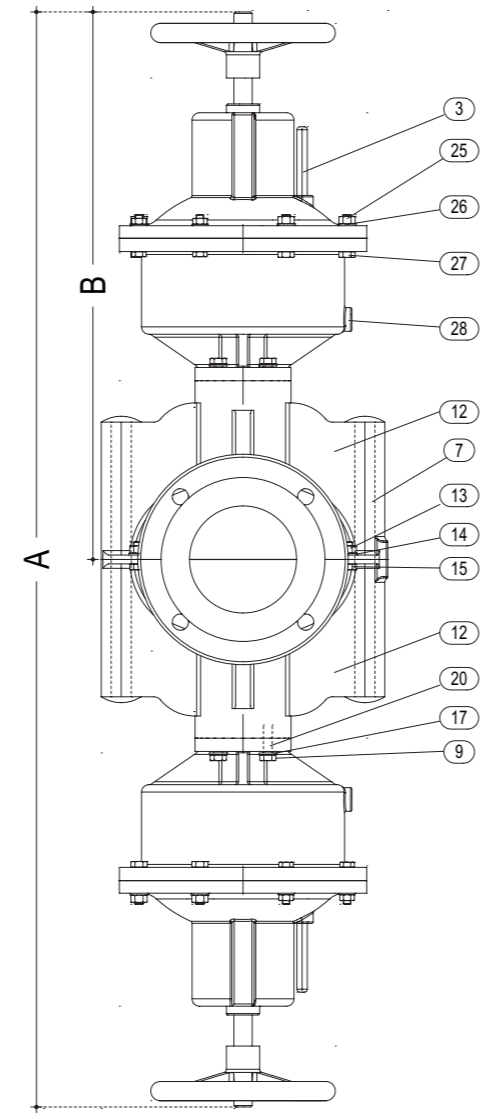
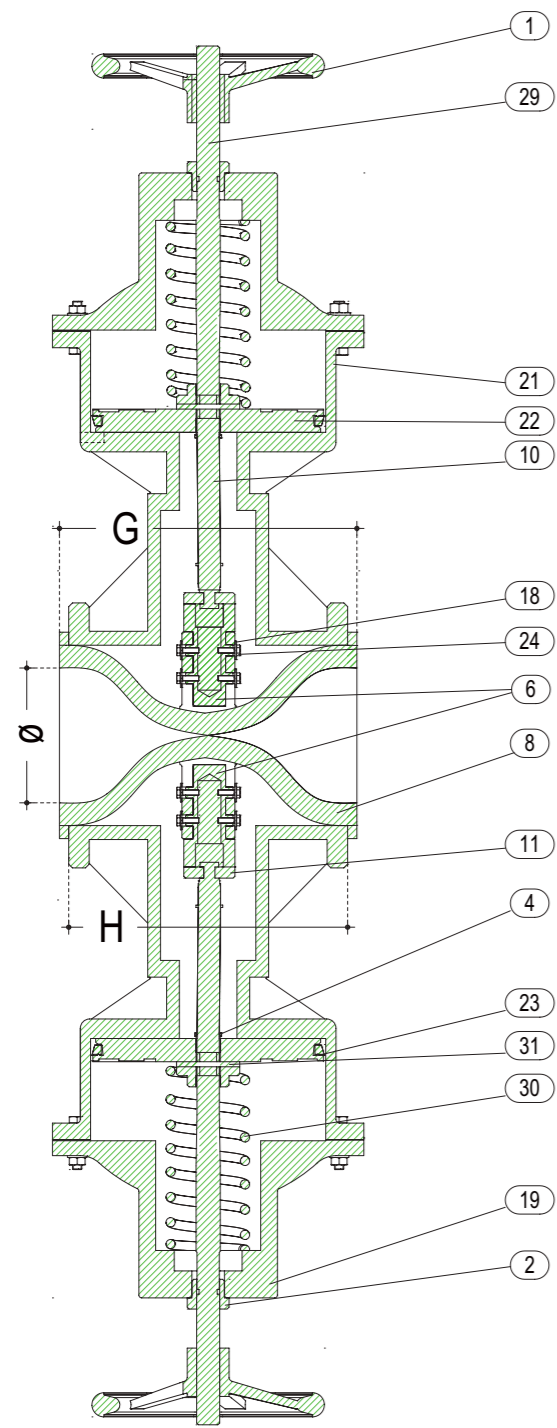
WEIGHT KG	
ALUMINIUM	C.I.
17,000	25,000
22,000	32,000
27,000	39,000
35,000	48,000
45,000	60,000
130,000	194,000
51,000	73,000
64,000	95,000
80,000	120,000
96,000	150,000

DIMENSIONS				
Ø	A	B	G	H
50	570	176	167	165
60	590	194	190	185
70	660	206	220	185
80	710	215	225	200
90	730	250	282	210
100	800	275	282	220
125	900	300	328	250
150	1020	330	384	285
175	1100	355	418	315
200	1200	375	460	340

NOTE: For different pressure details please ask the DPT

Model GS20

PINCH VALVES



DETAILS	
1	WHEEL AND BUSHING
2	SUPPORT RING
3	GUIDE PIN
4	"V" GASKET
6	PLUG
7	TIE ROD
8	RUBBER SLEEVE
9	HEXAGON NUT
10	DRIVE PIN
11	RETURN BUSHING
12	VALVE BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	CLAMPING SCREW FOR BUSHING
17	WASHER
18	WASHER
19	COVER
20	STUD BOLT
21	CYLINDER
22	PISTON
23	"V" GASKET
24	CLAMPING
25	HEXAGON NUT
26	WASHER
27	HEXAGON BOLT
28	INSIDE PIPE FITTING
29	LEAD SCREW
30	SPRINGS
31	SOCKET



AIR PRESSURE REQUIRED KG/CM ²										
dn	50	60	70	80	90	100	125	150	175	200
min.	3	3	3	3,5	3,5	3,5	3,5	4	4	4
max.	5	5	5	5	5	5	5	5	5	5

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	4,5	10	4,5	4
60	4,5	10	4,5	4
70	4	10	4	3,5
80	4	10	4	3,5
90	3,5	10	3,5	3
100	3,5	10	3,5	3
125	3	10	3	2,5
150	3	10	3	2,5
175	2,5	10	2,5	2
200	2	10	2	1,5

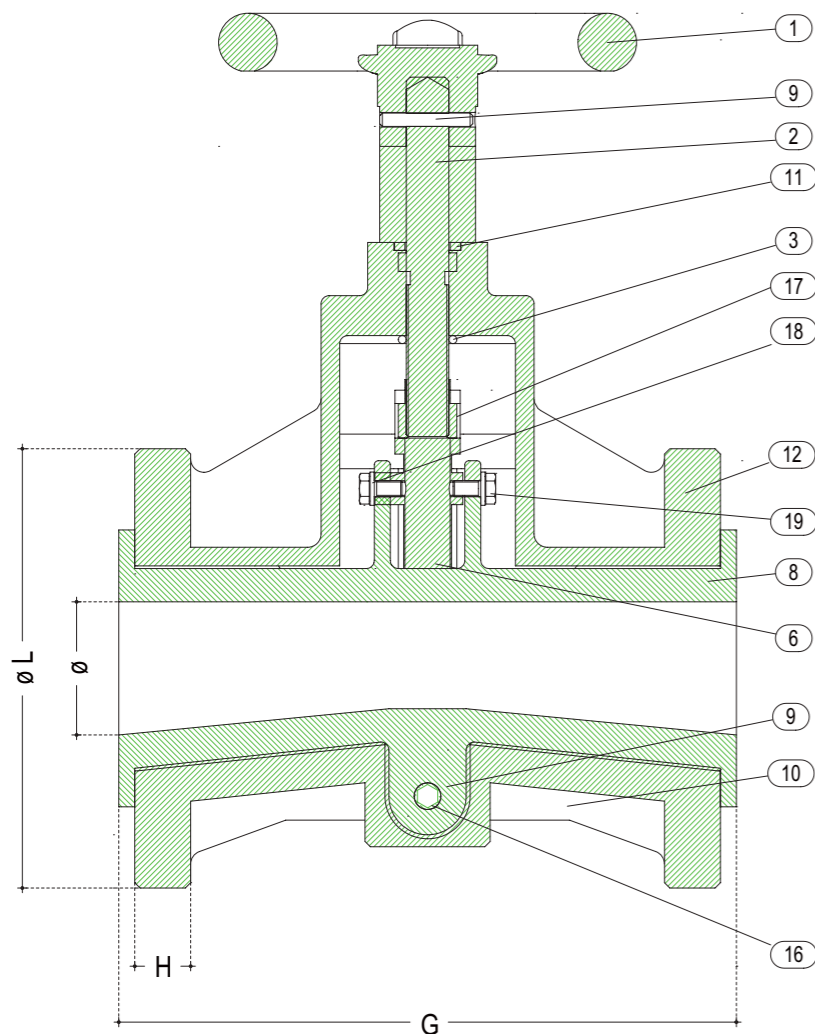
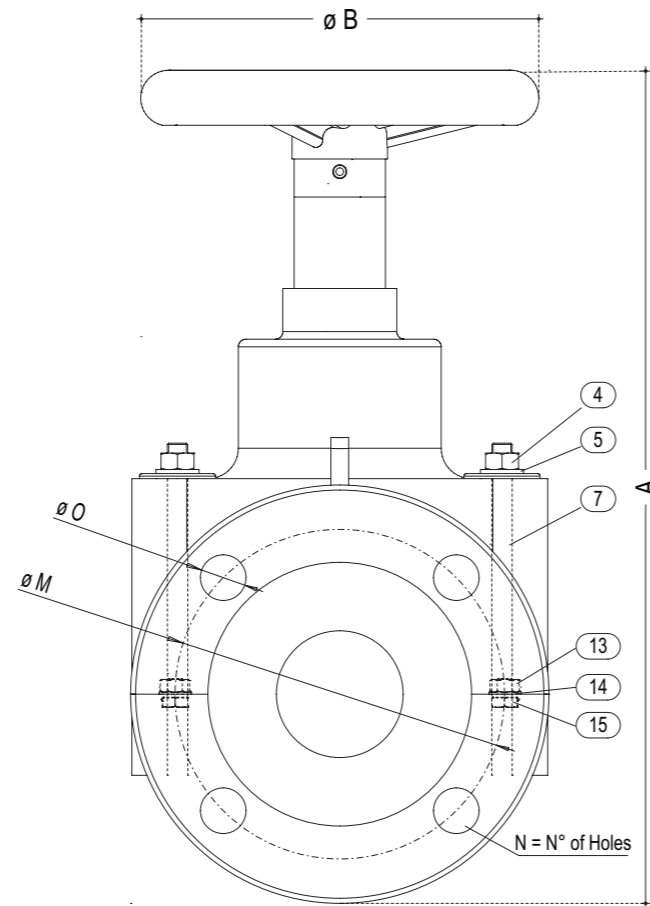
WEIGHT KG	
ALUMINIUM	C.I.
17,000	25,000
22,000	32,000
27,000	39,000
35,000	48,000
45,000	60,000
130,000	194,000
51,000	73,000
64,000	95,000
80,000	120,000
96,000	150,000

DIMENSIONS				
Ø	A	B	G	H
50	800	400	176	160
60	860	430	194	180
70	920	460	206	190
80	980	490	215	196
90	1150	575	250	232
100	1200	600	275	260
125	1300	650	300	280
150	1450	725	330	300
175	1540	770	355	335
200	1780	890	375	350

NOTE: For different pressure details please ask the DPT

Model GS21

PINCH VALVES



DETAILS	
1	WHEEL
2	LEAD SCREW
3	WASHER
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	SLEEVE
9	SOCKET
10	VALVE LOWER BODY
11	GASKET
12	VALVE UPPER BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	SCREW SOCKET
17	BRONZE NUT
18	WASHER
19	CLAMPING SCREW FOR BUSHING

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	5	10	5	4
25	5	10	5	4
30	5	10	5	4
40	5	10	5	4
50	5	10	5	4
80	5	10	5	4
100	5	10	4	3

NOTE: For different pressure details please ask the DPT

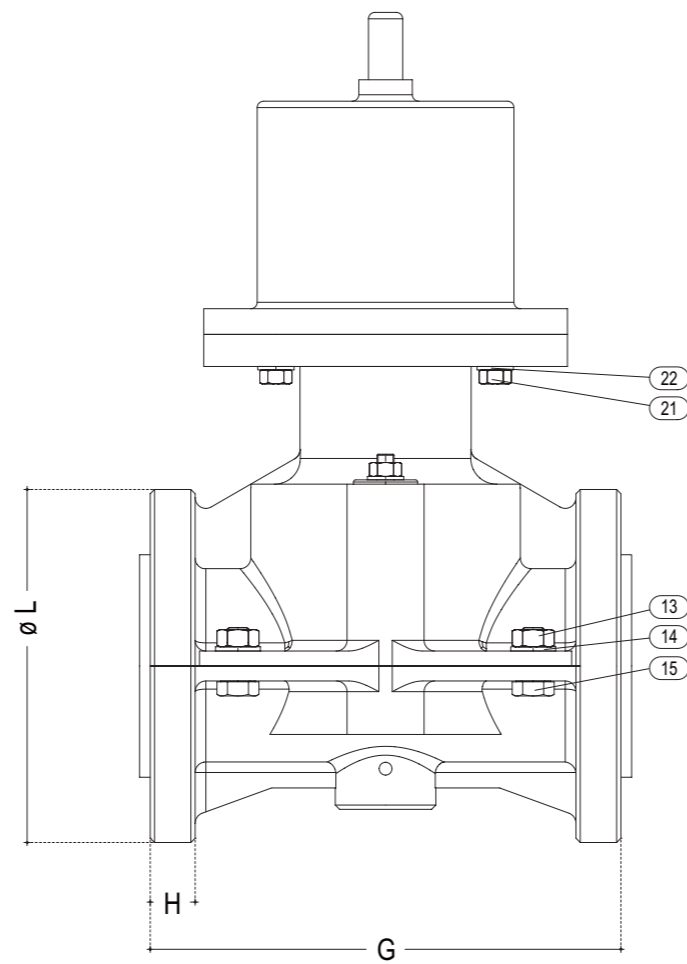
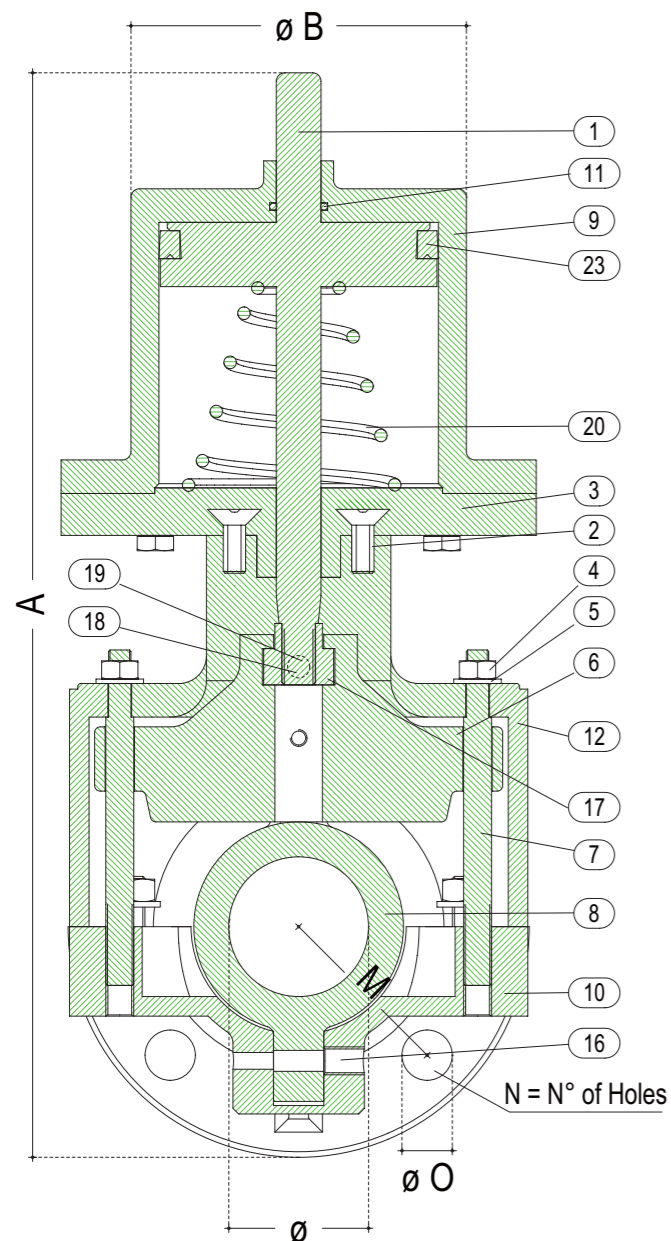
WEIGHT KG	
ALUMINIUM	
20	2,100
25	2,380
30	3,800
40	5,480
50	6,900
80	13,500
100	19,900
150	37,000

DIMENSIONS	UNI PN 10				ASA 150								
	\varnothing	A	B	G	H	L	M	N	O	L	M	N	O
20	185	110	140	14	105	75	4	14	98	70	4	16	
25	199	130	150	14	115	85	4	14	108	80	4	16	
30	235	130	170	16	140	100	4	18	118	90	4	16	
40	267	175	190	18	150	110	4	18	127	98	4	16	
50	292	175	220	21	165	125	4	18	152	120	4	19	
80	350	210	300	22	200	160	4	18	190	152	4	19	
100	425	255	340	22	220	180	8	18	229	190	8	19	
150	601	370	470	24	285	240	8	22	280	241	8	22	



Model GS22

PINCH VALVES



DETAILS	
1	DRIVE PIN-PISTON
2	HEXAGON SOCKET HEAD
3	SUPPORT
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	SLEEVE
9	CYLINDER
10	VALVE LOWER BODY
11	GASKET
12	VALVE UPPER BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	SCREW SOCKET
17	BRONZE NUT
18	WASHER
19	CLAMPING SCREW FOR BUSHING
20	SPRING
21	HEXAGON BOLT
22	WASHER
23	"V" GASKET

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	5	10	5	4
25	5	10	5	4
30	5	10	5	4
40	5	10	5	4
50	5	10	5	4
80	5	10	5	4
100	5	10	5	4
150	5	10	5	4

NOTE: For different pressure details please ask the DPT

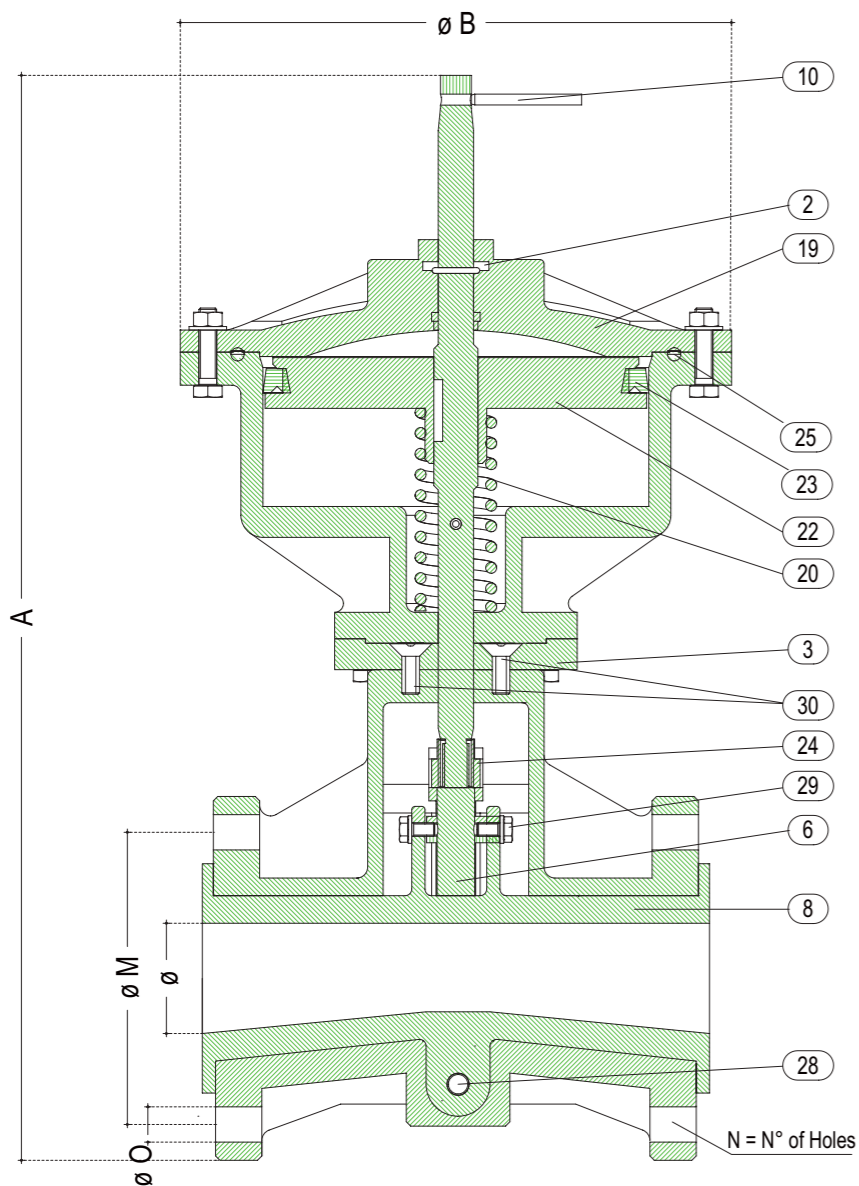
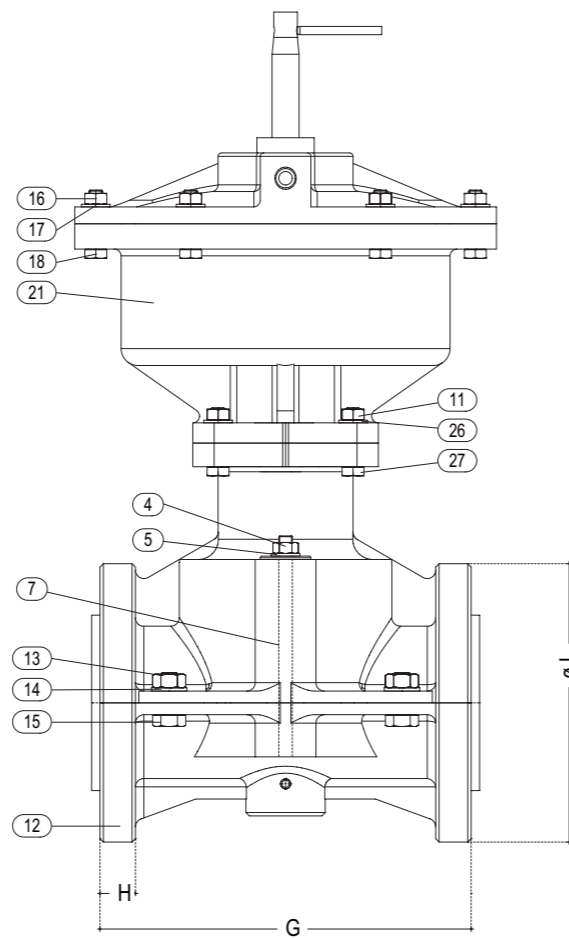
AIR PRESSURE REQUIRED KG/CM ²								
dn	20	25	30	40	50	80	100	150
min.	4	4	4	4	4	4	4	4
max.	6	6	6	6	6	6	6	6

WEIGHT KG ALUMINIUM
2,300
3,200
4,200
6,000
8,000
14,000
31,000
49,000

DIMENSIONS						UNI PN 10				ASA 150			
Ø	A	B	G	H	L	M	N	O	L	M	N	O	
20	240	80	140	14	105	75	4	14	98	70	4	16	
25	278	100	150	14	115	85	4	14	108	80	4	16	
30	317	100	170	16	140	100	4	18	118	90	4	16	
40	366	118	190	18	150	110	4	18	127	98	4	16	
50	395	118	220	21	165	125	4	18	152	120	4	19	
80	482	145	300	22	200	160	4	18	190	152	4	19	
100	698	162	340	22	220	180	8	18	229	190	8	19	
150	866	220	470	20	285	240	8	22	280	241	8	22	

Model GS25

PINCH VALVES



DETAILS	
1	GUIDE
2	"V" GASKET
3	SUPPORT
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	SLEEVE
9	CLAMPING
10	SOCKET
11	HEXAGON NUT
12	VALVE UPPER-LOWER BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON BOLT
19	COVER
20	SPRING
21	CYLINDER
22	PISTON
23	"V" GASKET
24	BRONZE NUT
25	GASKET
26	WASHER
27	HEXAGON BOLT
28	SCREW SOCKET
29	CLAMPING SCREW FOR BUSHING AND WASHER
30	HEXAGON SOCKET HEAD



AIR PRESSURE REQUIRED KG/CM ²							
dn	20	25	30	40	50	80	100
min.	4	4	4	4	4	4	4
max.	6	6	6	5	5	5	5

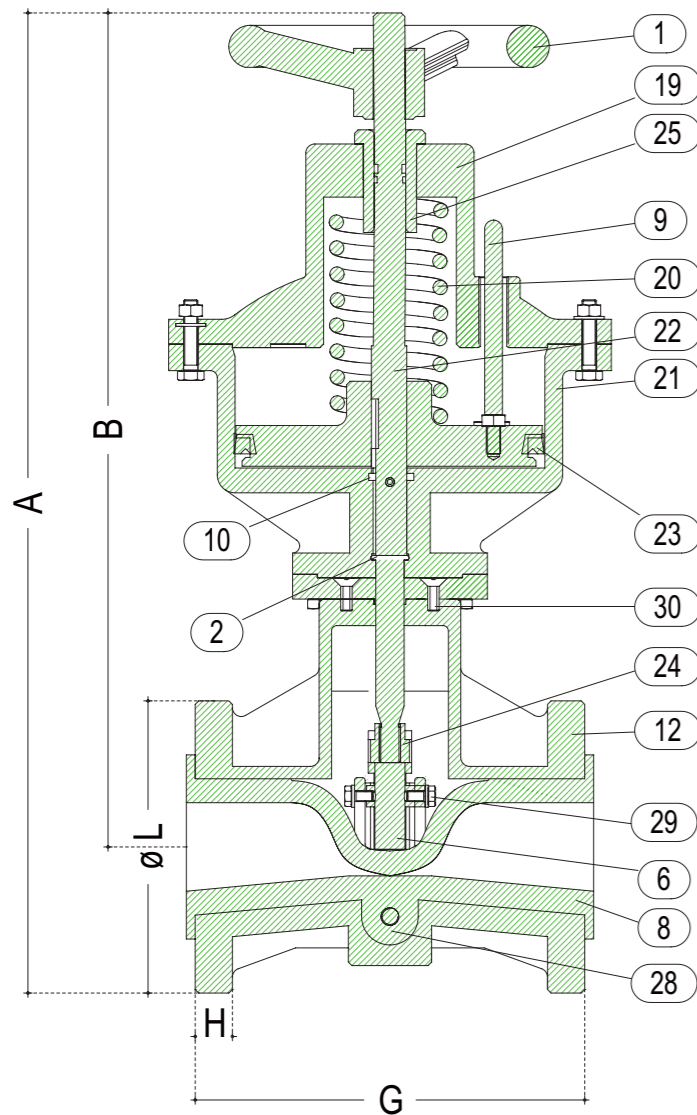
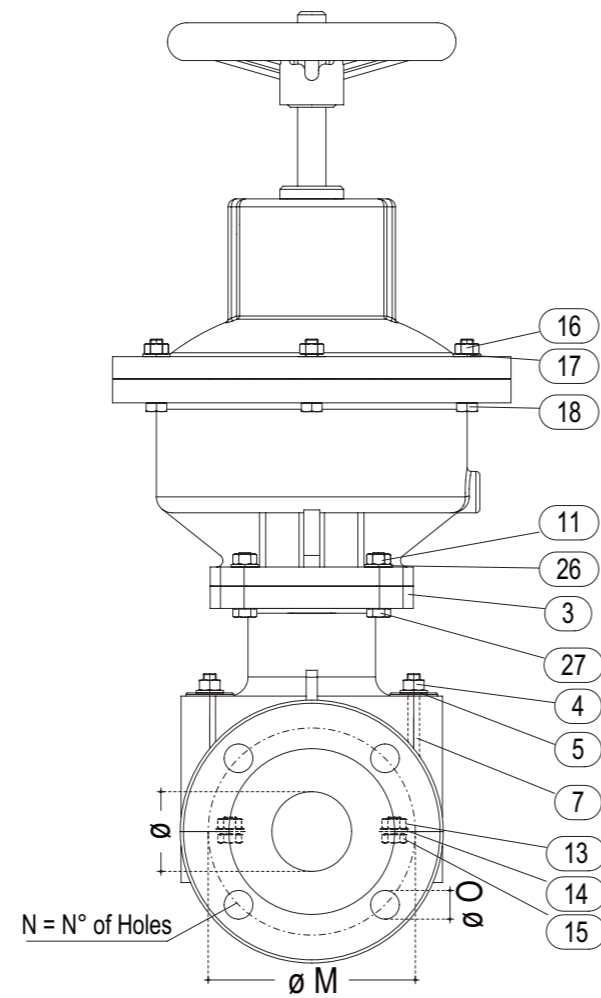
PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	4	10	4	3,5
25	4	10	4	3,5
30	4	10	4	3,5
40	4	10	4	3,5
50	4	10	4	3,5
80	4	10	4	3,5
100	4	10	4	3,5

NOTE: For different pressure details please ask the DPT

DIMENSIONS					UNI PN 10				ASA 150			
Ø	A	B	G	H	L	M	N	O	L	M	N	O
20	291	180	140	14	105	75	4	14	98	70	4	16
25	324	200	150	14	115	85	4	14	108	80	4	16
30	385	215	170	16	140	100	4	18	118	90	4	16
40	432	250	190	18	150	110	4	18	127	98	4	16
50	492	250	220	21	165	125	4	18	152	120	4	19
80	561	285	300	22	200	160	4	18	190	152	4	19
100	728	335	340	22	220	180	8	18	229	190	8	19

Model GS27

PINCH VALVES



DETAILS	
1	WHEEL
2	OR
3	SUPPORT
4	HEXAGON NUT
5	WASHER
6	PLUG
7	TIE ROD
8	SLEEVE
9	GUIDE PIN
10	GASKET
11	HEXAGON NUT
12	VALVE UPPER-LOWER BODY
13	HEXAGON NUT
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON BOLT
19	COVER
20	SPRINGS
21	CYLINDER
22	PISTON
23	"V" GASKET
24	BRONZE NUT
25	BUSHING AND COVER
26	WASHER
27	HEXAGON BOLT
28	SCREW SOCKET
29	CLAMPING SCREW FOR BUSHING AND WASHER
30	HEXAGON SOCKET HEAD COUNTERSUNK HEAD SCREWS



AIR PRESSURE REQUIRED KG/CM ²								
dn	20	25	30	40	50	80	100	150
min.	4	4	4	4	4	4	4	4
max.	6	6	6	5	5	5	5	5

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	4	10	4	3
25	4	10	4	3
30	4	10	4	3
40	4	10	4	3
50	4	10	4	3
80	4	10	4	3
100	4	10	4	3
150	4	10	4	3

NOTE: For different pressure details please ask the DPT

DIMENSIONS	UNI PN 10				ASA 150								
	Ø	A	B	G	H	L	M	N	O	L	M	N	O
20	389,5	337	140	14	105	75	4	14	98	70	4	16	16
25	418,5	361	150	14	115	85	4	14	108	80	4	16	16
30	496	426	170	16	140	100	4	18	118	90	4	16	16
40	525	450	190	18	150	110	4	18	127	98	4	16	16
50	535,5	453	220	21	165	125	4	18	152	120	4	19	19
80	667	567	300	22	200	160	4	18	190	152	4	19	19
100	812	702	340	22	220	180	8	18	229	190	8	19	19
150	1130	987	470	24	285	240	8	22	280	241	8	22	22

Model GS99

PINCH VALVES



MAX INTERNAL PRESSURE

4 bar = Dn 40 up to Dn 200
3 bar = Dn 250 up to Dn 300

CONTROL PRESSURE

Min. 2 Bar = Dn 40 up to Dn 200
Min. 1,5 Bar = Dn 250 up to Dn 300
Max. 6 Bar = Dn 40 up to Dn 200
Max. 4,5 Bar = Dn 250 up to Dn 300

DIFFERENTIAL PRESSURE MIN

2 Bar = Dn 40 up to Dn 200
1,5 Bar = Dn 250 up to Dn 300

WEIGHT KG

6,00
8,00
10,50
13,00
12,00
17,00
25,00
53,00
85,00
147,00

DIMENSIONS

Ø	L	H
40	150	75
50	180	82,5
65	180	92,5
80	220	100
100	276	110
125	345	125
150	414	143
200	550	170
250	680	195
300	820	242,5

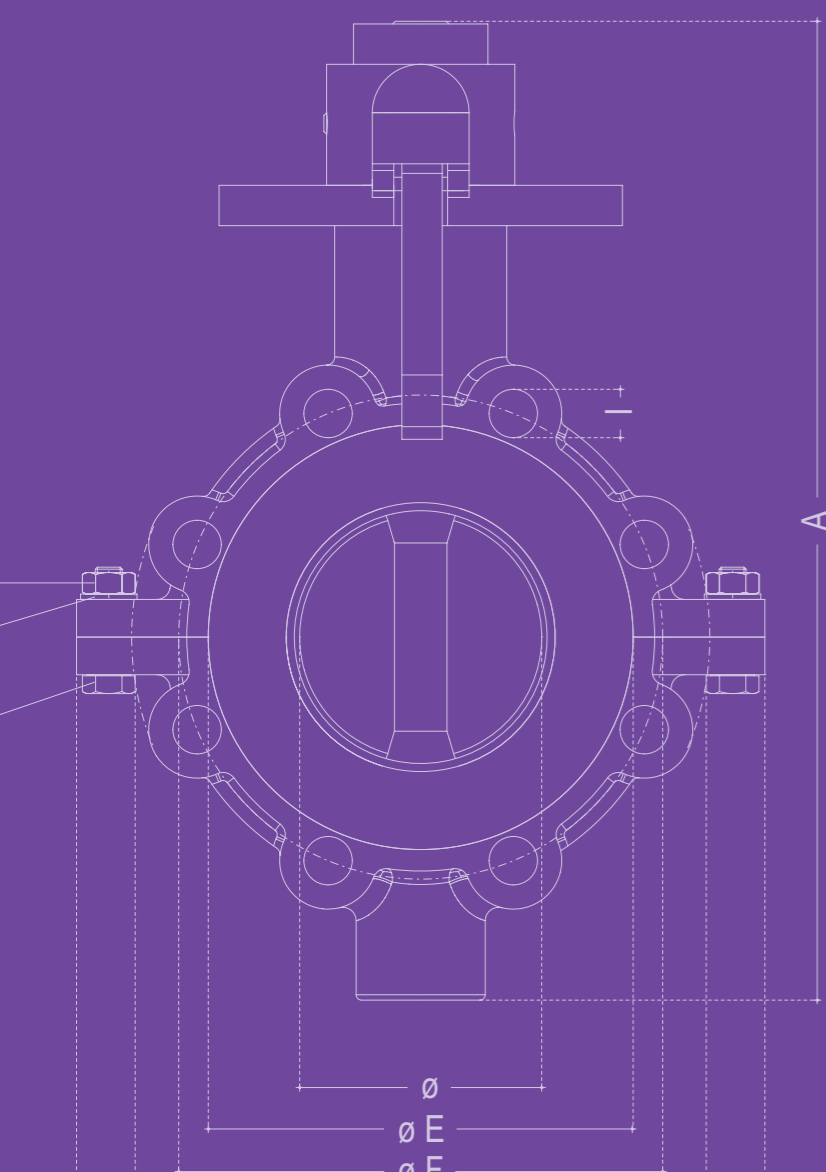
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BUTTERFLY VALVES

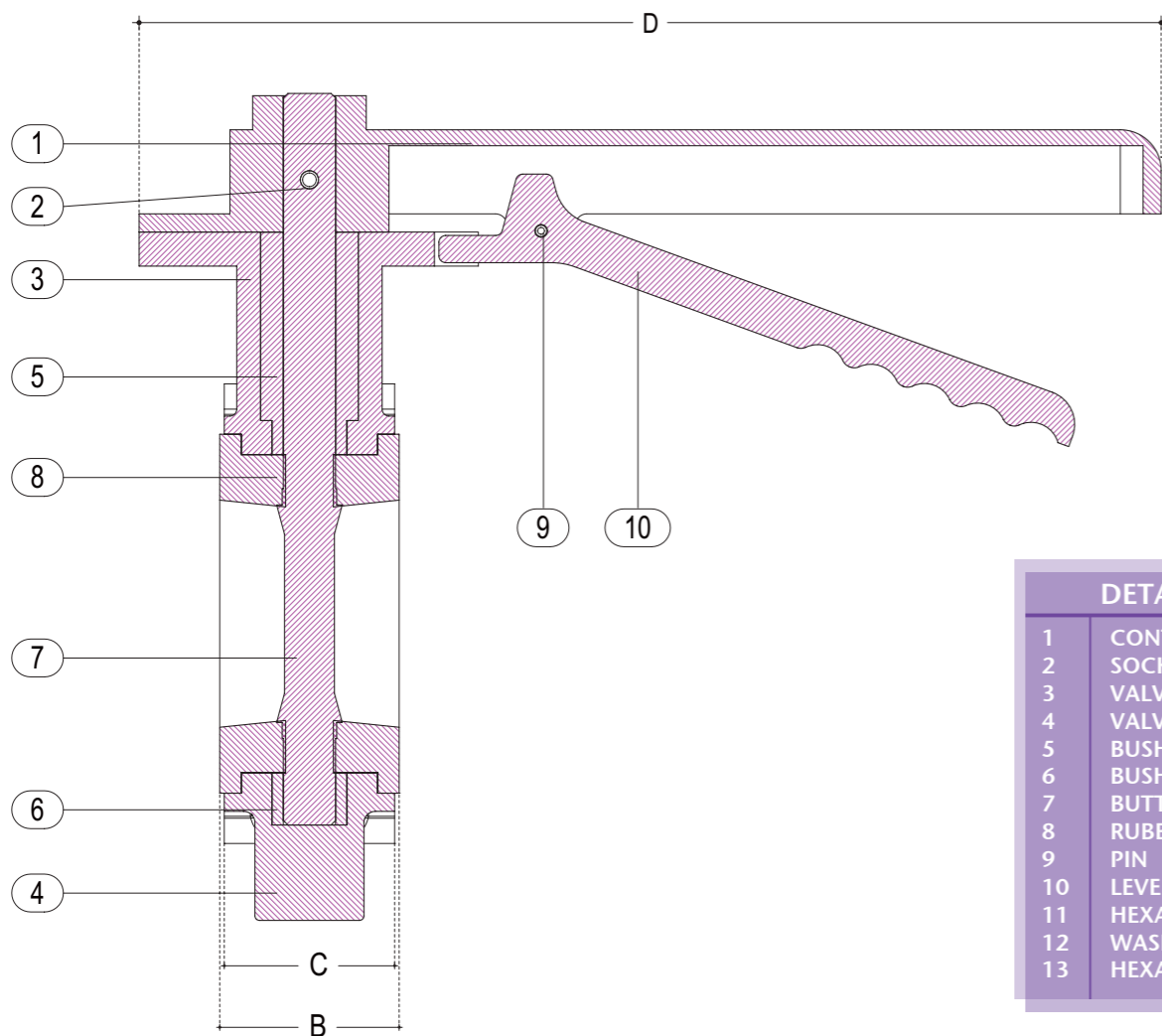
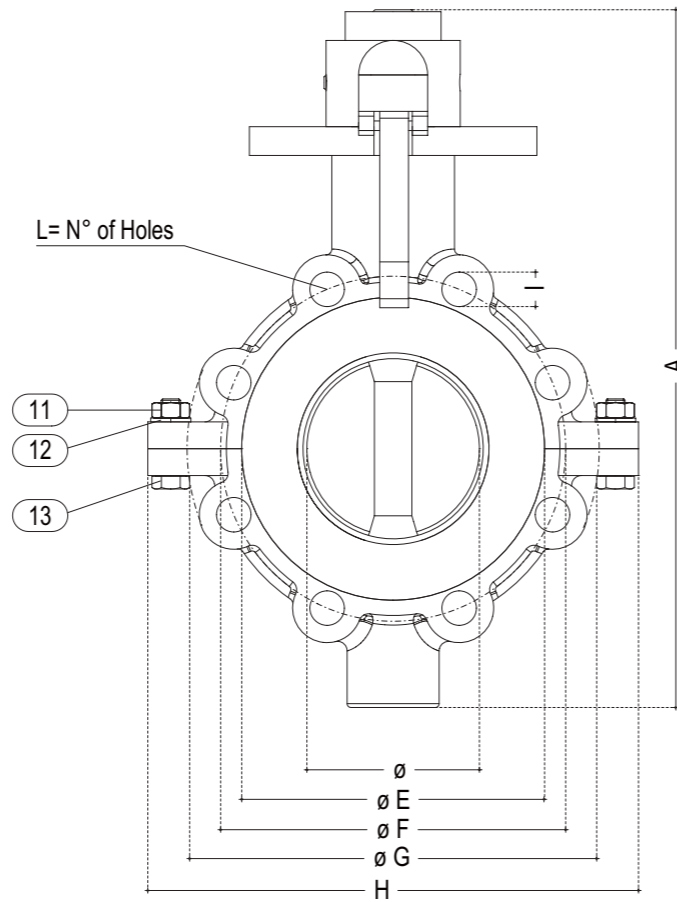
BUTTERFLY VALVES DOUBLE SPLIT BODY 40

Mod.	GS33DSB	pag.	44
Mod.	GS33W DSB	pag.	46
Mod.	GS33W LUG GSB	pag.	48
Mod.	GS34 DSB	pag.	50
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Mod.	GS40A DBS	pag.	64
Mod.	GS40W DBS	pag.	66
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Mod.	GS40AW LUG DBS	pag.	72
Mod.	GS30 HP	pag.	74
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Mod.	GS32W	pag.	78



Model GS33 DSB

BUTTERFLY VALVES



DETAILS	
1	CONTROL LEVER
2	SOCKET
3	VALVE UPPER BODY
4	VALVE LOWER BODY
5	BUSHING
6	BUSHING
7	BUTTERFLY
8	RUBBER SLEEVE
9	PIN
10	LEVER
11	HEXAGON NUT
12	WASHER
13	HEXAGON BOLT

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
100	4	10	4	3,5
150	4	10	4	3,5
200	4	10	4	3,5
250	4	10	3,5	3
300	4	10	3,5	3

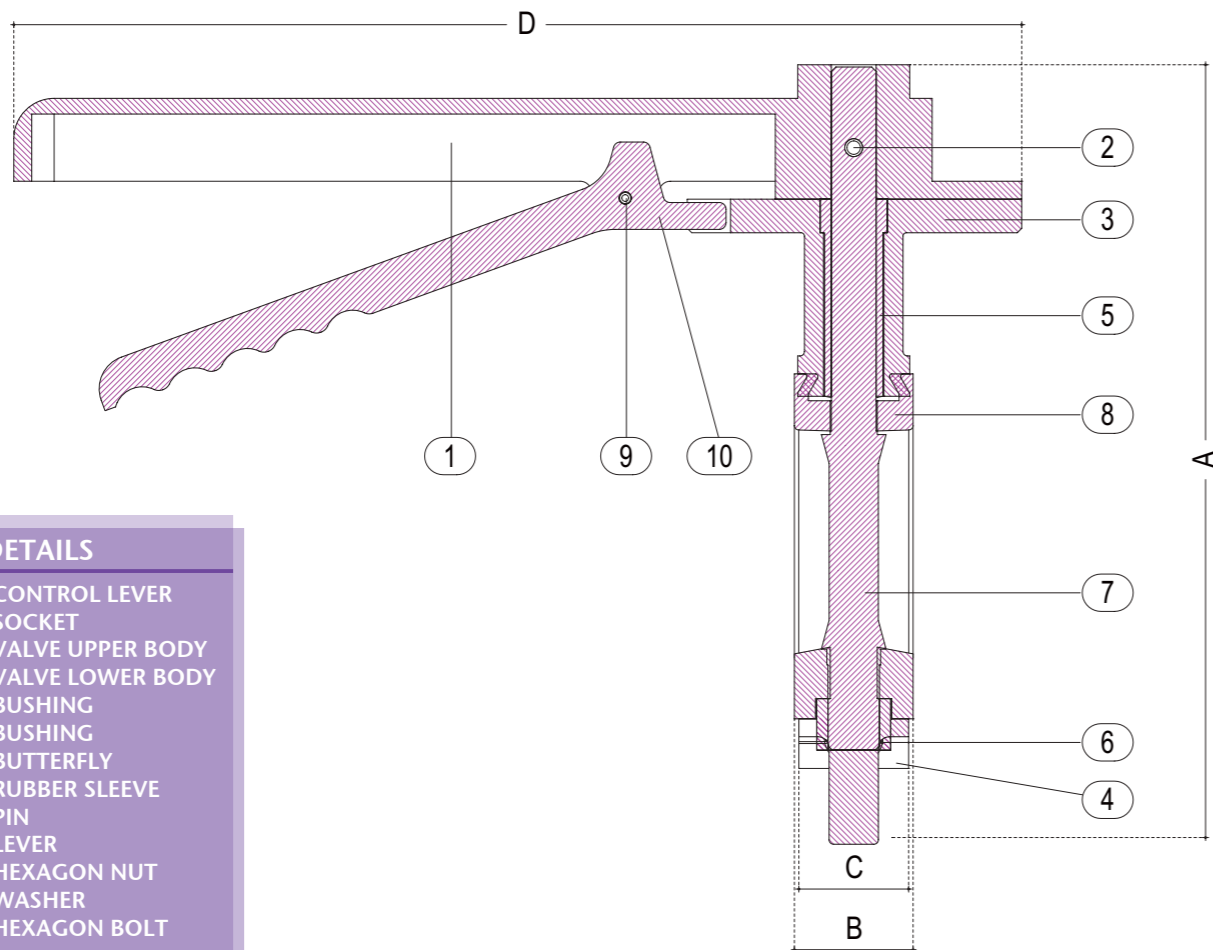
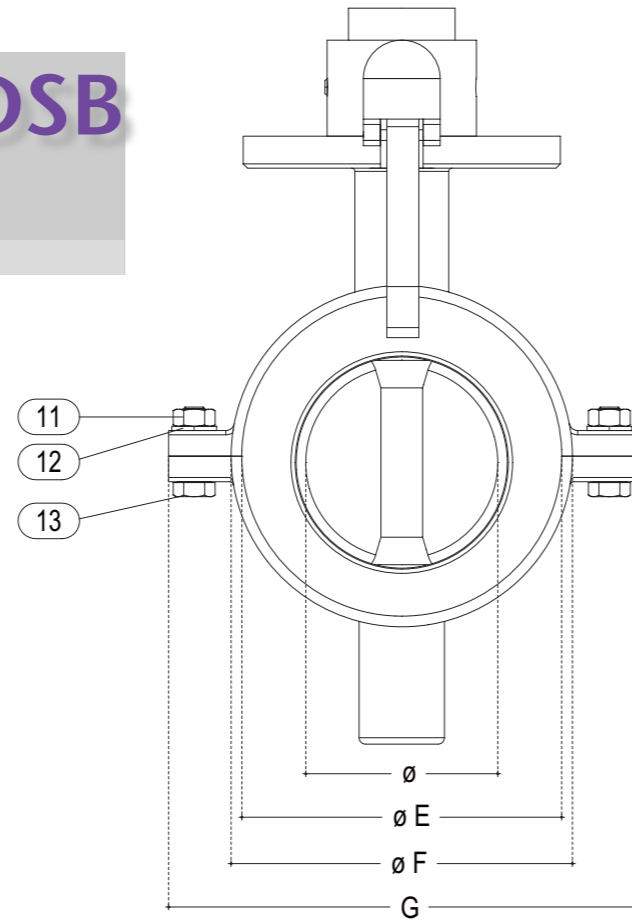
DIMENSIONS										
\emptyset	A	B	C	D	E	F	G	H	I	L
100	375	78	72	450	160	180	220	280	18	8
150	450	88	84	470	210	240	285	355	22	8
200	505	95	90	500	260	295	340	420	22	8
250	565	100	98	500	310	350	405	485	22	12
300	615	110	105	500	360	400	450	530	22	12

WEIGHT KG C.I.
30,000
36,000
52,000
60,000
72,000

NOTE: For different pressure details please ask the DPT

Model GS33W DSB

BUTTERFLY VALVES



DETAILS

1	CONTROL LEVER
2	SOCKET
3	VALVE UPPER BODY
4	VALVE LOWER BODY
5	BUSHING
6	BUSHING
7	BUTTERFLY
8	RUBBER SLEEVE
9	PIN
10	LEVER
11	HEXAGON NUT
12	WASHER
13	HEXAGON BOLT



PRESSURE DETAILS UNI_1284

DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	4
60	7	10	7	4
80	7	10	7	4
100	4	10	4	3,5
125	4	10	4	3,5
150	4	10	4	3,5
200	4	10	4	3,5

WEIGHT KG

C.I.
10,000
12,000
14,000
28,000
30,000
33,000
48,000

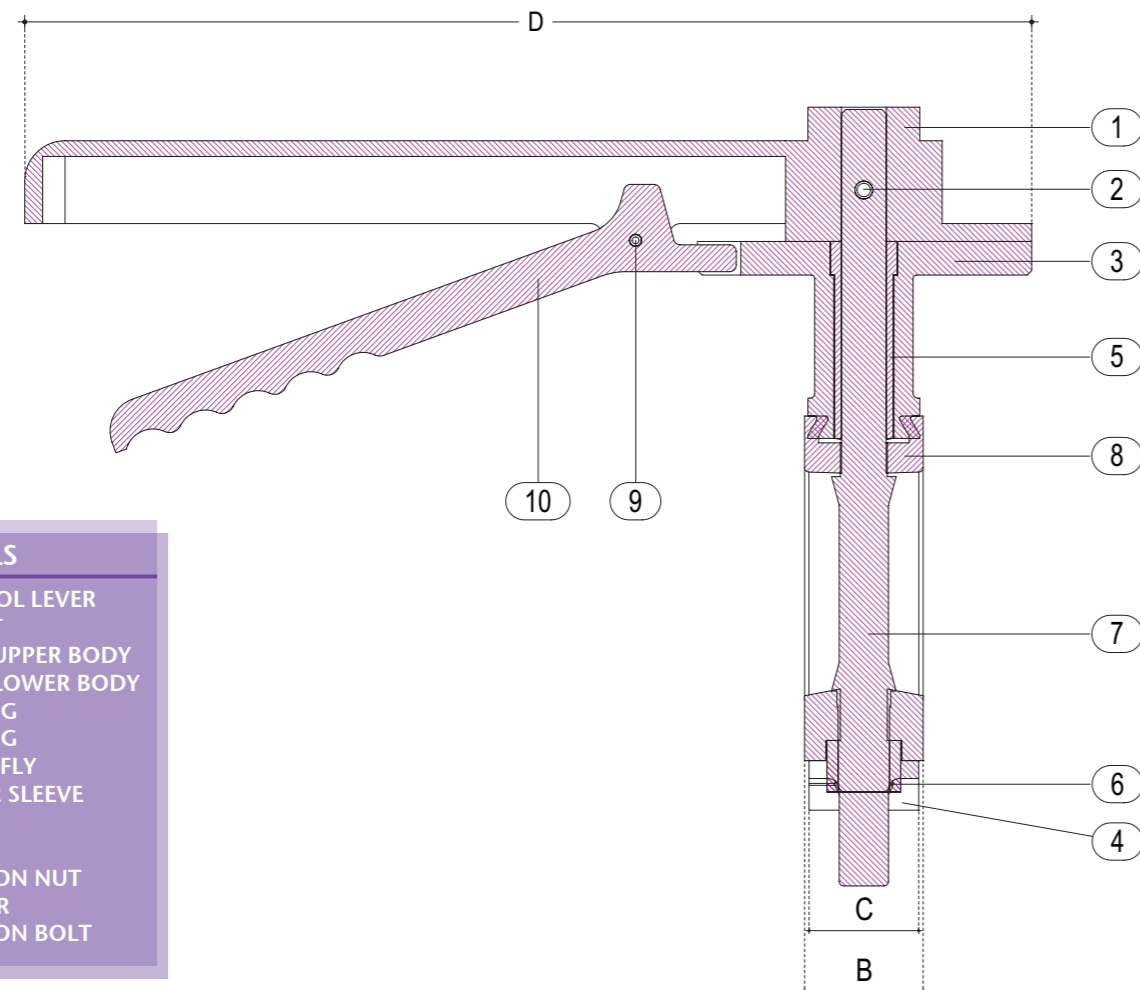
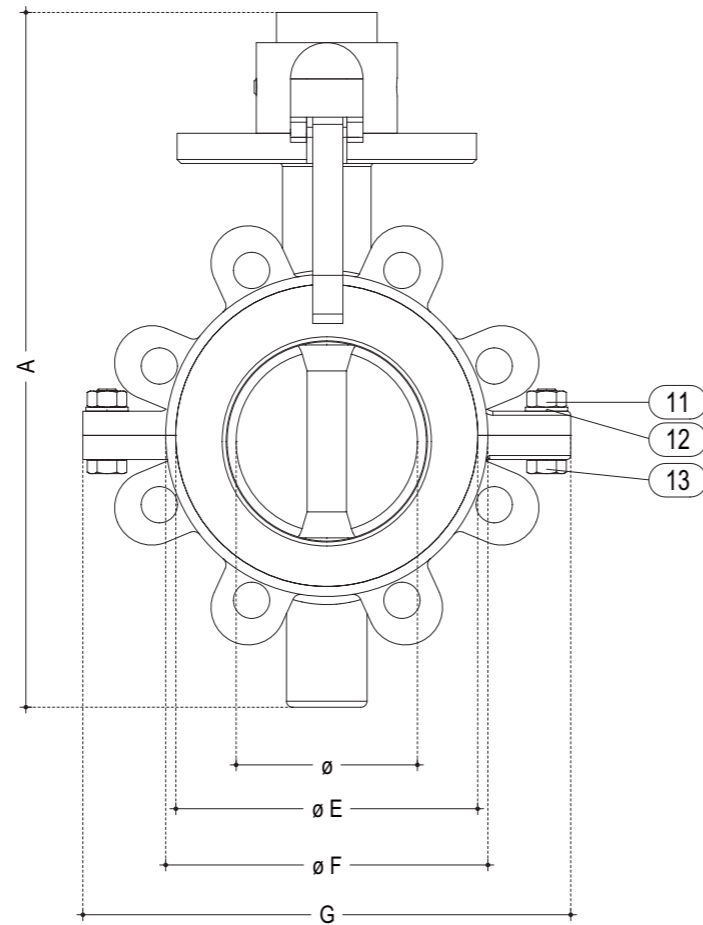
DIMENSIONS

\emptyset	A	B	C	D	E	F	G
50	204	43	40	260	90	108	148
65	224	48	44	260	108	115	165
80	239	52	46	260	125	134	200
100	318	53	50	450	150	160	220
125	338	57	53	450	173	190	250
150	382	57	53	470	204	220	280
200	440	68	64	500	254	270	340

NOTE: For different pressure details please ask the DPT

Model GS33W LUG DSB

BUTTERFLY VALVES



WEIGHT KG C.I.

10,000
12,000
14,000
28,000
30,000
33,000
48,000

DETAILS

1	CONTROL LEVER
2	SOCKET
3	VALVE UPPER BODY
4	VALVE LOWER BODY
5	BUSHING
6	BUSHING
7	BUTTERFLY
8	RUBBER SLEEVE
9	PIN
10	LEVER
11	HEXAGON NUT
12	WASHER
13	HEXAGON BOLT

PRESSURE DETAILS UNI_1284

DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	4
60	7	10	7	4
80	7	10	7	4
100	4	10	4	3,5
125	4	10	4	3,5
150	4	10	4	3,5
200	4	10	4	3,5

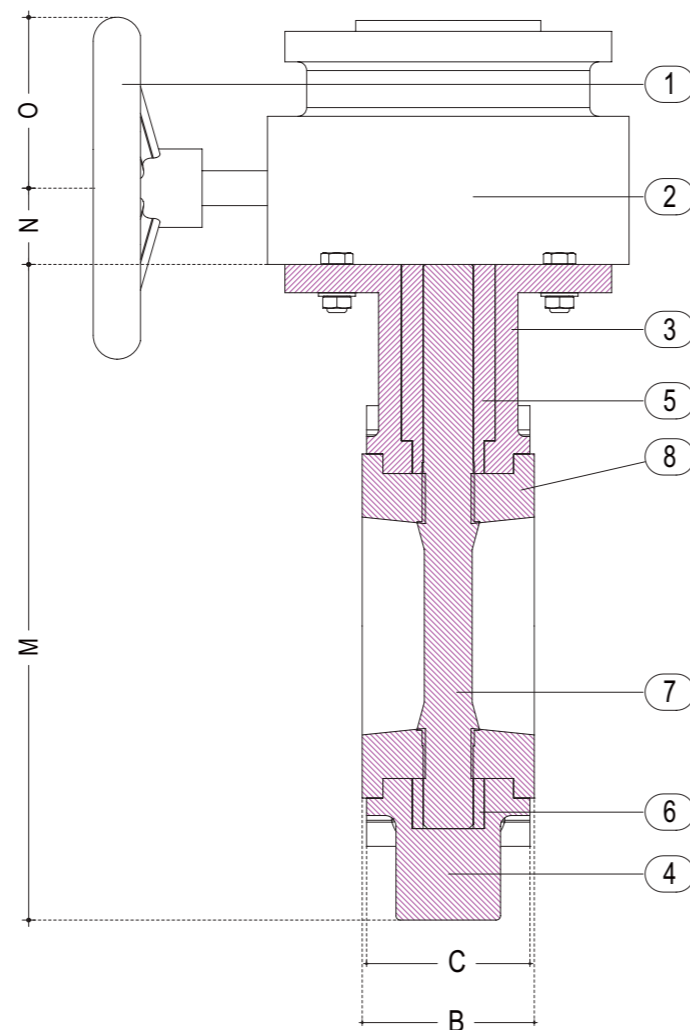
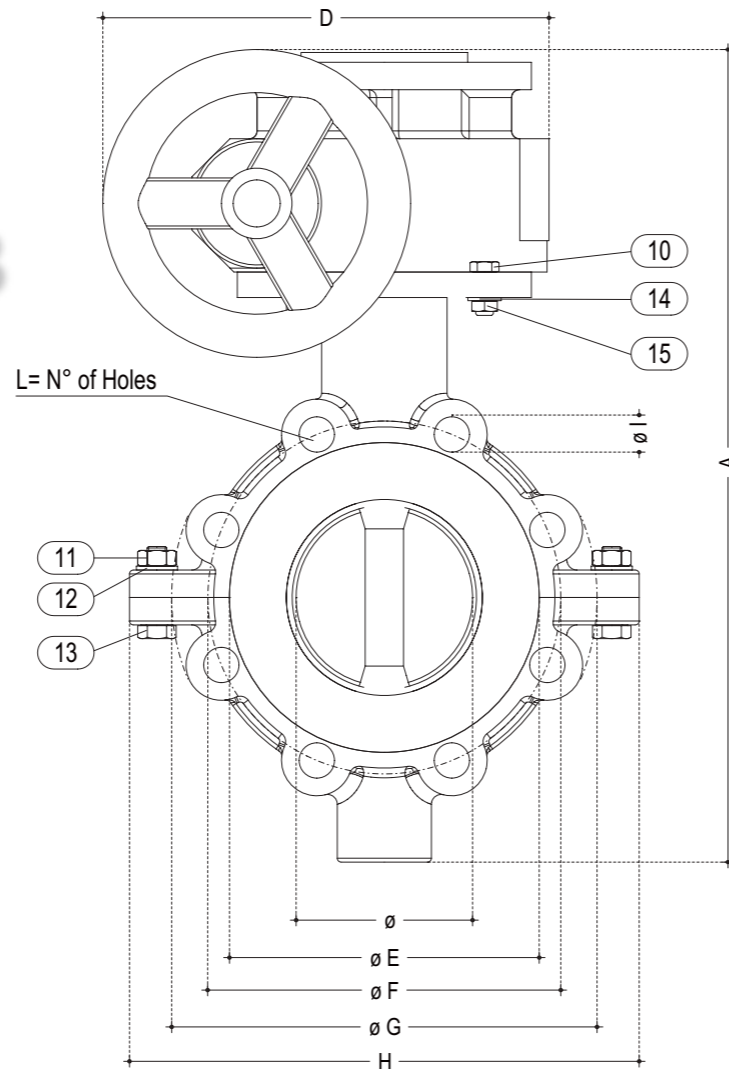
DIMENSIONS

Ø	A	B	C	D	E	F	G
50	204	43	40	260	90	108	148
65	224	48	44	260	108	115	165
80	239	52	46	260	125	134	200
100	318	53	50	450	150	160	220
125	338	57	53	450	173	190	250
150	382	57	53	470	204	220	280
200	440	68	64	500	254	270	340

NOTE: For different pressure details please ask the DPT

Model GS34 DSB

BUTTERFLY VALVES



PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
100	4	10	4	3,5
150	4	10	4	3,5
200	4	10	4	3,5
250	3,5	10	3,5	3
300	3,5	10	3,5	3
350	3	6	3	2,5
400	3	6	3	2,5
500	3	6	3	2,5
600	3	6	3	2,5

NOTE: For different pressure details please ask the DPT

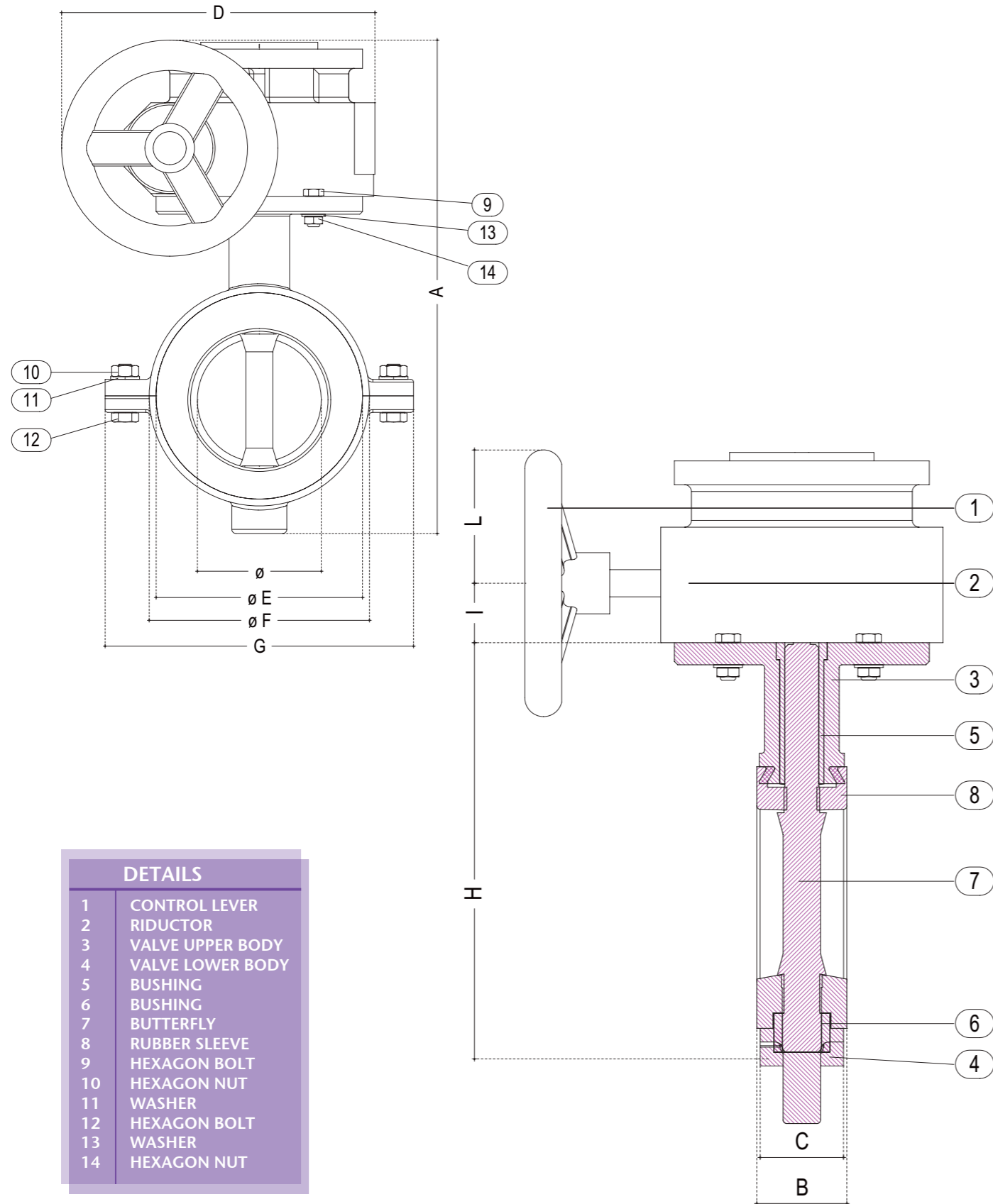
WEIGHT KG C.I.
26,000
31,000
49,000
58,000
67,000
126,000
180,000
254,000
223,000

Ø	DIMENSIONS												
	A	B	C	D	E	F	G	H	I	L	M	N	O
100	465	78	72	260	160	190	229	280	19	8	305	60	100
150	535	88	84	260	210	241	280	355	22	8	375	60	100
200	595	95	90	260	260	298	343	420	22	8	435	60	100
250	675	100	98	235	310	362	406	485	26	12	495	80	100
300	725	110	105	235	360	432	483	530	26	12	545	80	100
350	862	116	110	235	430	476	533	634	29	12	682	80	100
400	1138	128	120	500	480	540	597	695	29	16	748	205	185
500	1250	168	160	500	590	635	700	820	32	20	860	205	185
600	1300	180	175	500	680	750	813	860	32	20	920	100	280

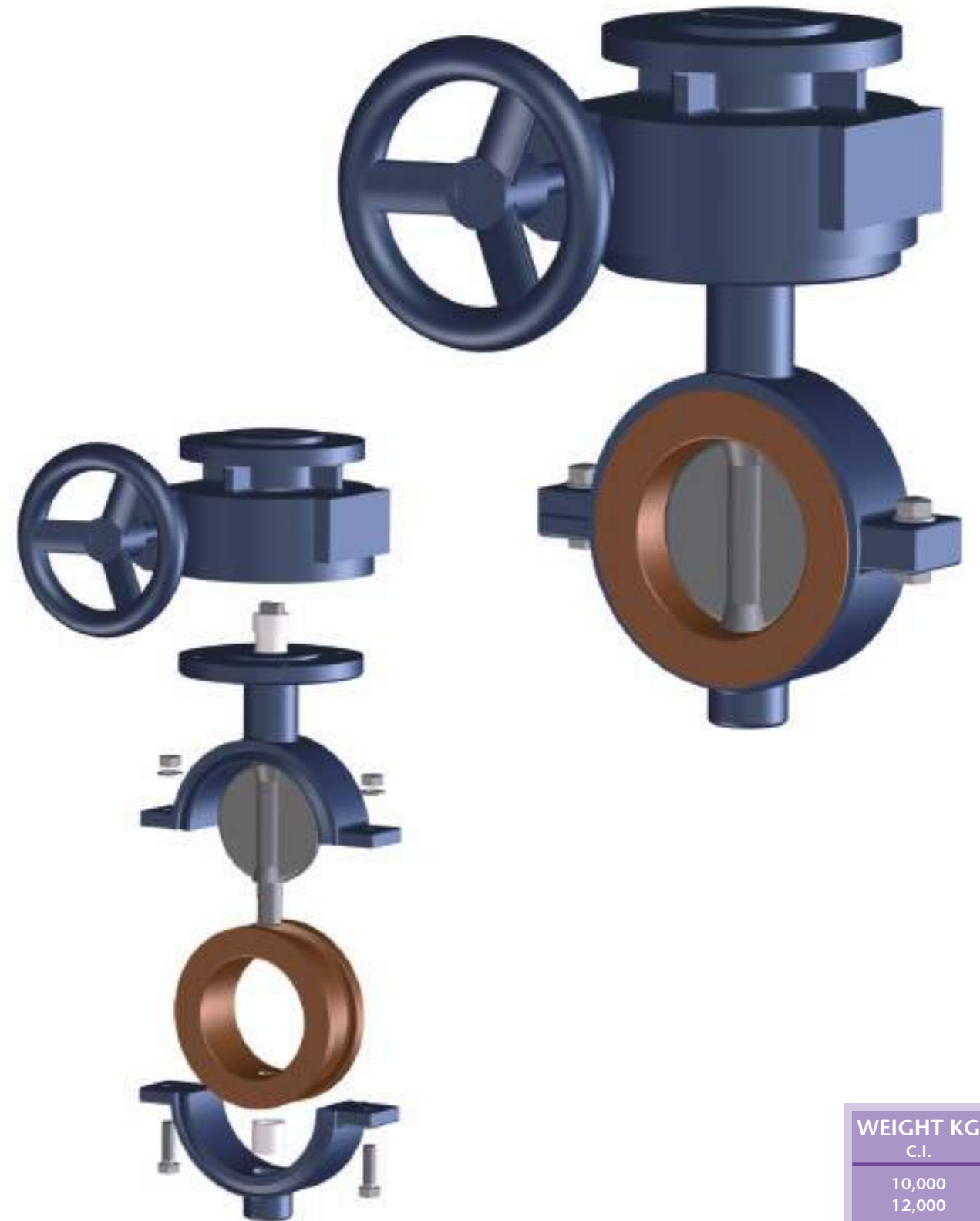
DETAILS	
1	CONTROL LEVER
2	RIDUCTOR
3	VALVE UPPER BODY
4	VALVE LOWER BODY
5	BUSHING
6	BUSHING
7	BUTTERFLY
8	RUBBER SLEEVE
10	HEXAGON BOLT
11	HEXAGON NUT
12	WASHER
13	HEXAGON BOLT
14	WASHER
15	HEXAGON NUT

Model GS34W DSB

BUTTERFLY VALVES



DETAILS	
1	CONTROL LEVER
2	RIDUCTOR
3	VALVE UPPER BODY
4	VALVE LOWER BODY
5	BUSHING
6	BUSHING
7	BUTTERFLY
8	RUBBER SLEEVE
9	HEXAGON BOLT
10	HEXAGON NUT
11	WASHER
12	HEXAGON BOLT
13	WASHER
14	HEXAGON NUT



WEIGHT KG
C.I.
10,000
12,000
14,000
22,000
24,000
29,000
42,000

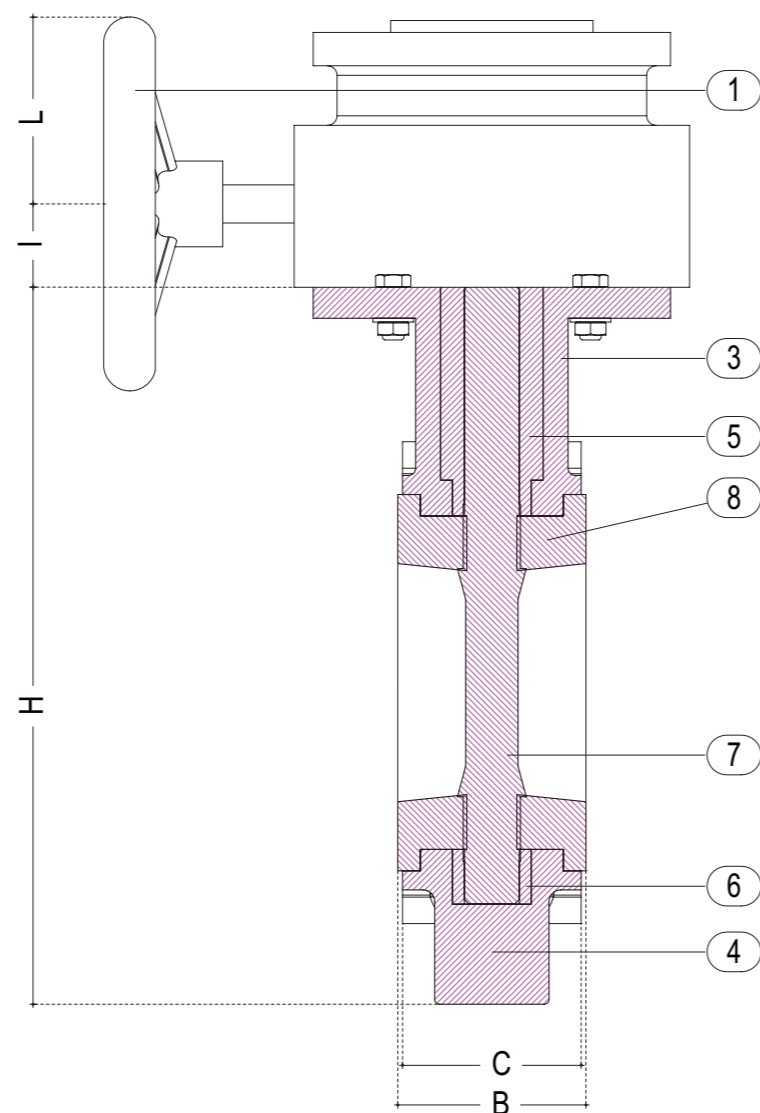
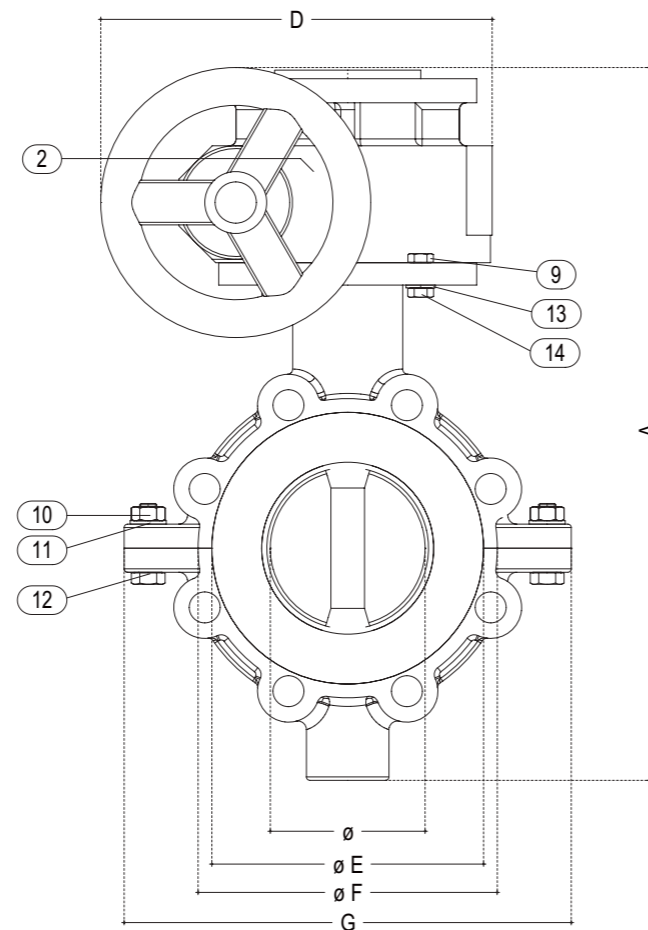
PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST		WORKING PRESSURE
		kg/cm ² OPEN	kg/cm ² CLOSE	
50	7	10	7	6
65	7	10	7	6
80	7	10	7	6
100	4	10	4	3,5
125	4	10	4	3,5
150	4	10	4	3,5
200	4	10	4	3,5

DIMENSIONS										
Ø	A	B	C	D	E	F	G	H	I	L
50	300	43	40	150	90	108	148	175	50	75
65	320	48	44	150	108	115	165	195	50	75
80	335	52	46	150	125	134	200	210	50	75
100	410	53	50	260	150	160	220	250	60	100
125	430	57	53	260	173	190	250	270	60	100
150	470	57	53	260	204	220	280	310	60	100
200	530	68	64	260	254	270	340	370	60	100

NOTE: For different pressure details please ask the DPT

Model GS34W LUG DSB

BUTTERFLY VALVES



DETAILS	
1	CONTROL LEVER
2	RIDUCTOR
3	VALVE UPPER BODY
4	VALVE LOWER BODY
5	BUSHING
6	BUSHING
7	BUTTERFLY
8	RUBBER SLEEVE
9	HEXAGON BOLT
10	HEXAGON NUT
11	WASHER
12	HEXAGON BOLT
13	WASHER
14	HEXAGON NUT



WEIGHT KG
C.I.
10,000
12,000
14,000
22,000
24,000
29,000
42,000

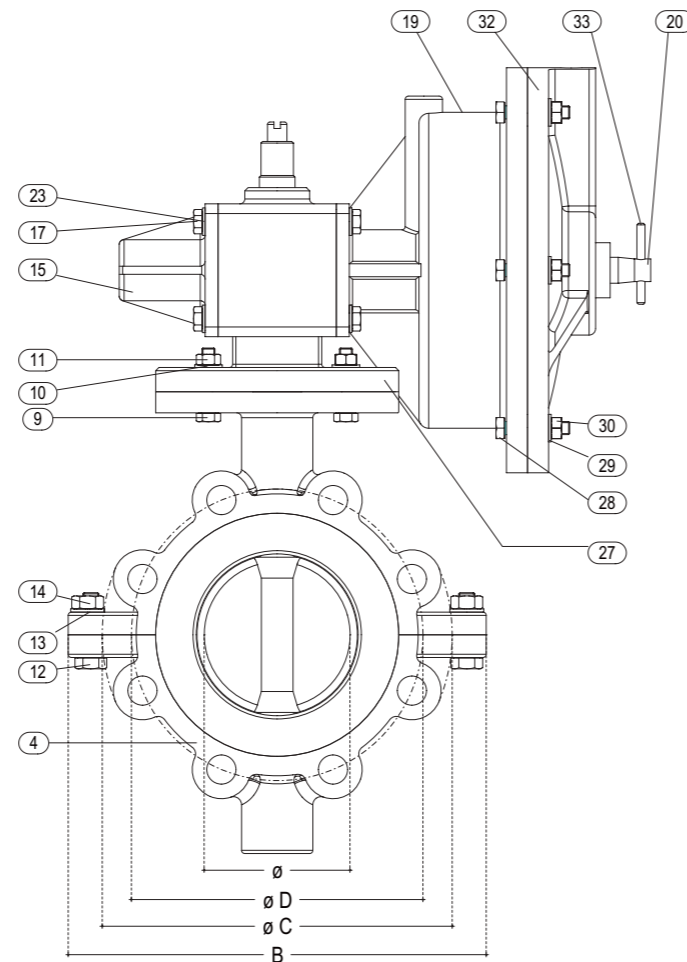
PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	6
65	7	10	7	6
80	7	10	7	6
100	4	10	4	3,5
125	4	10	4	3,5
150	4	10	4	3,5
200	4	10	4	3,5

DIMENSIONS										
Ø	A	B	C	D	E	F	G	H	I	L
50	300	43	40	150	90	108	148	175	50	75
65	320	48	44	150	108	115	165	195	50	75
80	335	52	46	150	125	134	200	210	50	75
100	410	53	50	260	150	160	220	250	60	100
125	430	57	53	260	173	190	250	270	60	100
150	470	57	53	260	204	220	280	310	60	100
200	530	68	64	260	254	270	340	370	60	100

NOTE: For different pressure details please ask the DPT

Model GS38 DSB

BUTTERFLY VALVES



WEIGHT KG	
C.I.	
9,000	
12,000	
15,000	
33,000	
43,000	
48,000	
58,000	
78,000	

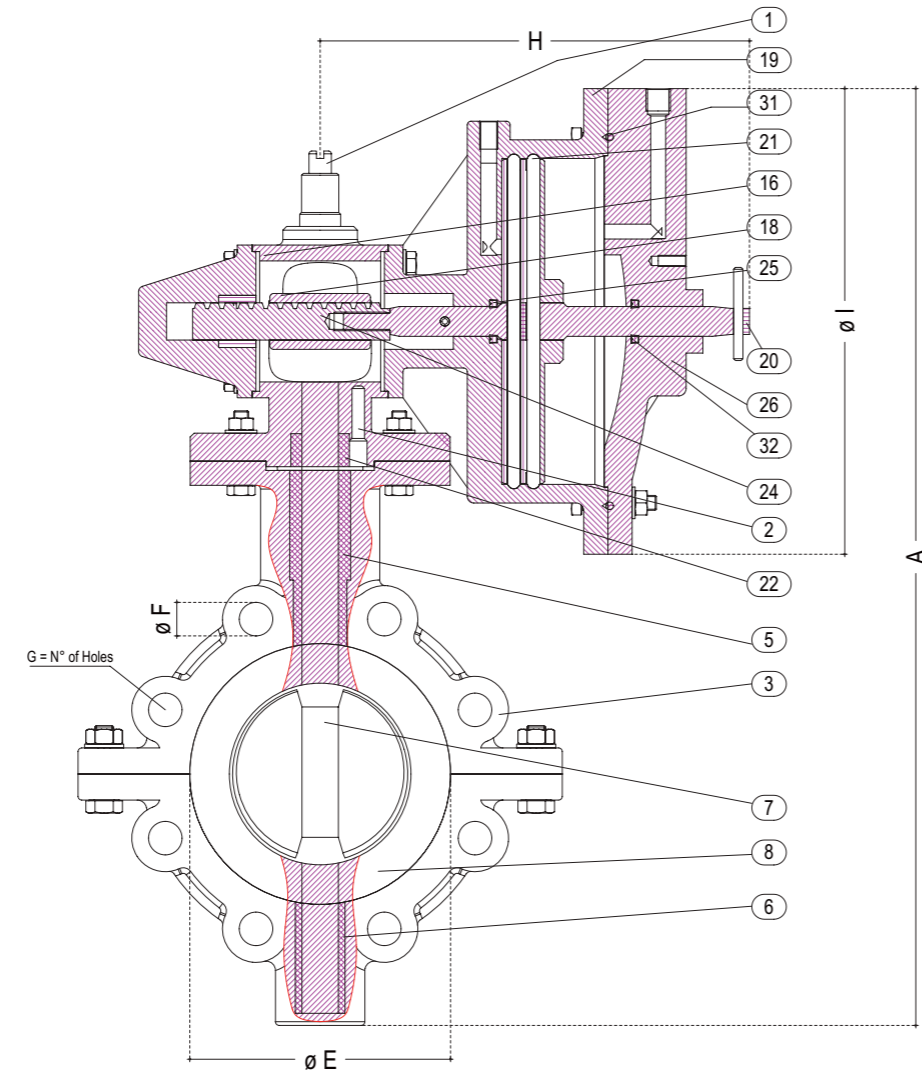
AIR PRESSURE REQUIRED KG/CM ²								
dn	50	65	80	100	150	200	250	300
min.	3	3	3	3	3	3	3	3
max.	5	5	5	5	5	5	5	5

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	6
65	7	10	7	6
80	7	10	7	6
100	7	10	7	6
150	7	10	7	6
200	6	10	6	5
250	6	10	6	5
300	6	10	6	5

DIMENSIONS									
Ø	A	B	C	D	E	F	G	H	I
50	325	150	108	125	90	/	/	200	180
65	350	165	115	145	108	/	/	200	180
80	365	175	136	160	128	/	/	200	180
100	480	290	230	180	160	18	8	270	200
150	570	366	285	240	210	22	8	350	220
200	655	420	340	295	260	22	8	350	220
250	725	484	406	350	310	22	12	420	270
300	780	566	483	400	360	22	12	420	270

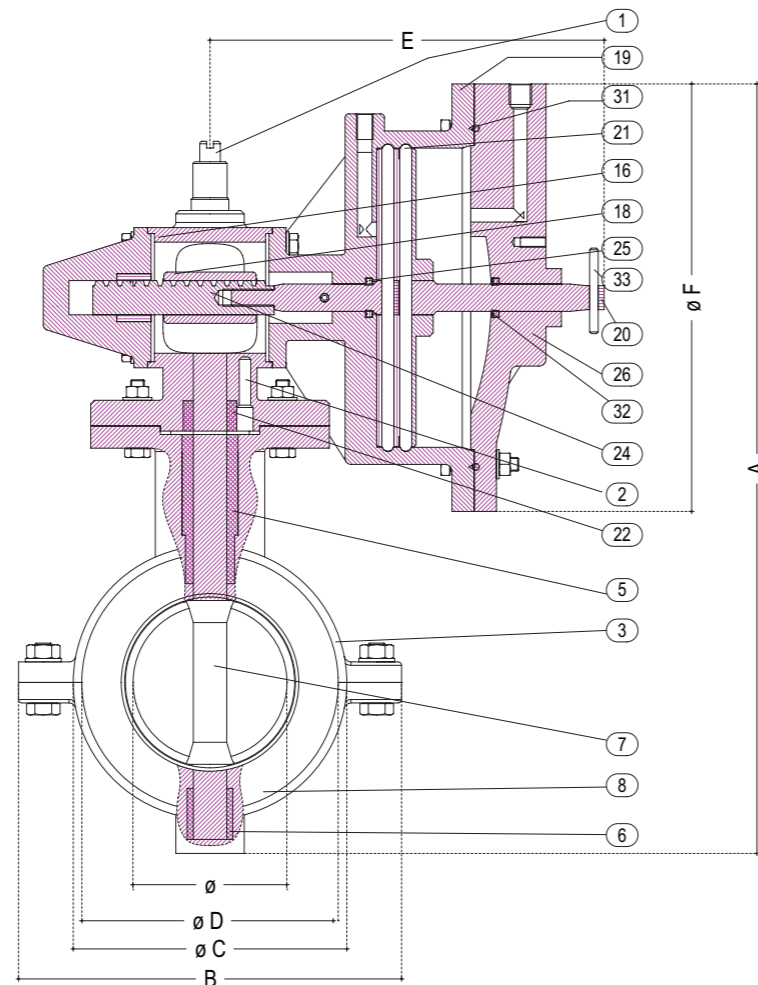
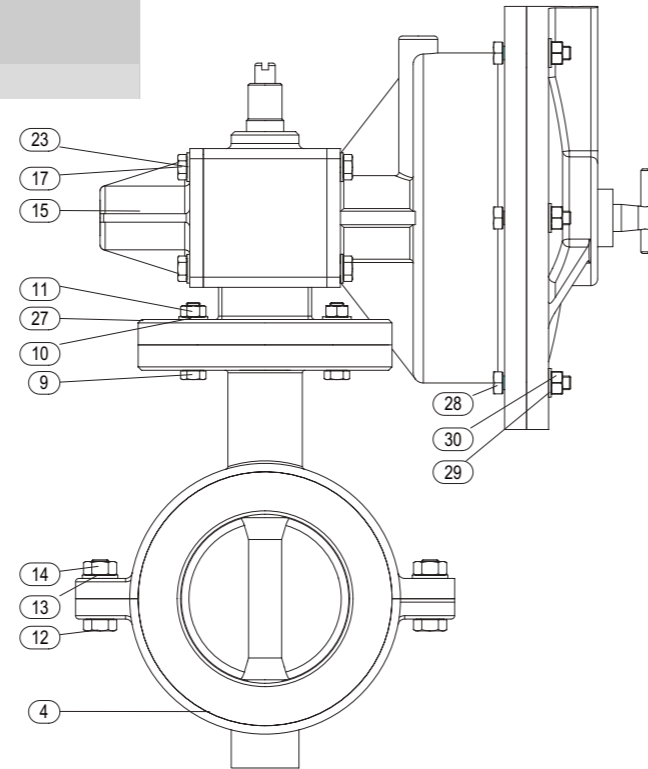
NOTE: For different pressure details please ask the DPT

DETAILS	
1	DRIVE PIN
2	CAMPLING SCREW FOR BUSHING
3	VALVE UPPER BODY
4	VALVE LOWER BODY
5	BUSHING
6	BUSHING
7	BUTTERFLY
8	RUBBER SLEEVE
9	BOLT
10	WASHER
11	HEXAGON NUT
12	BOLT
13	WASHER
14	HEXAGON NUT
15	COVER
16	CYLINDER SUPPORT
17	BOLT
18	RACK
19	CYLINDER
20	PISTON
21	GASKET PISTON
22	BUSHING
23	WASHER
24	GEAR
25	"V" GASKET
26	COVER
27	FLANGE
28	BOLT
29	WASHER
30	HEXAGON NUT
31	OR GASKET
32	"V" GASKET
33	SOCKET



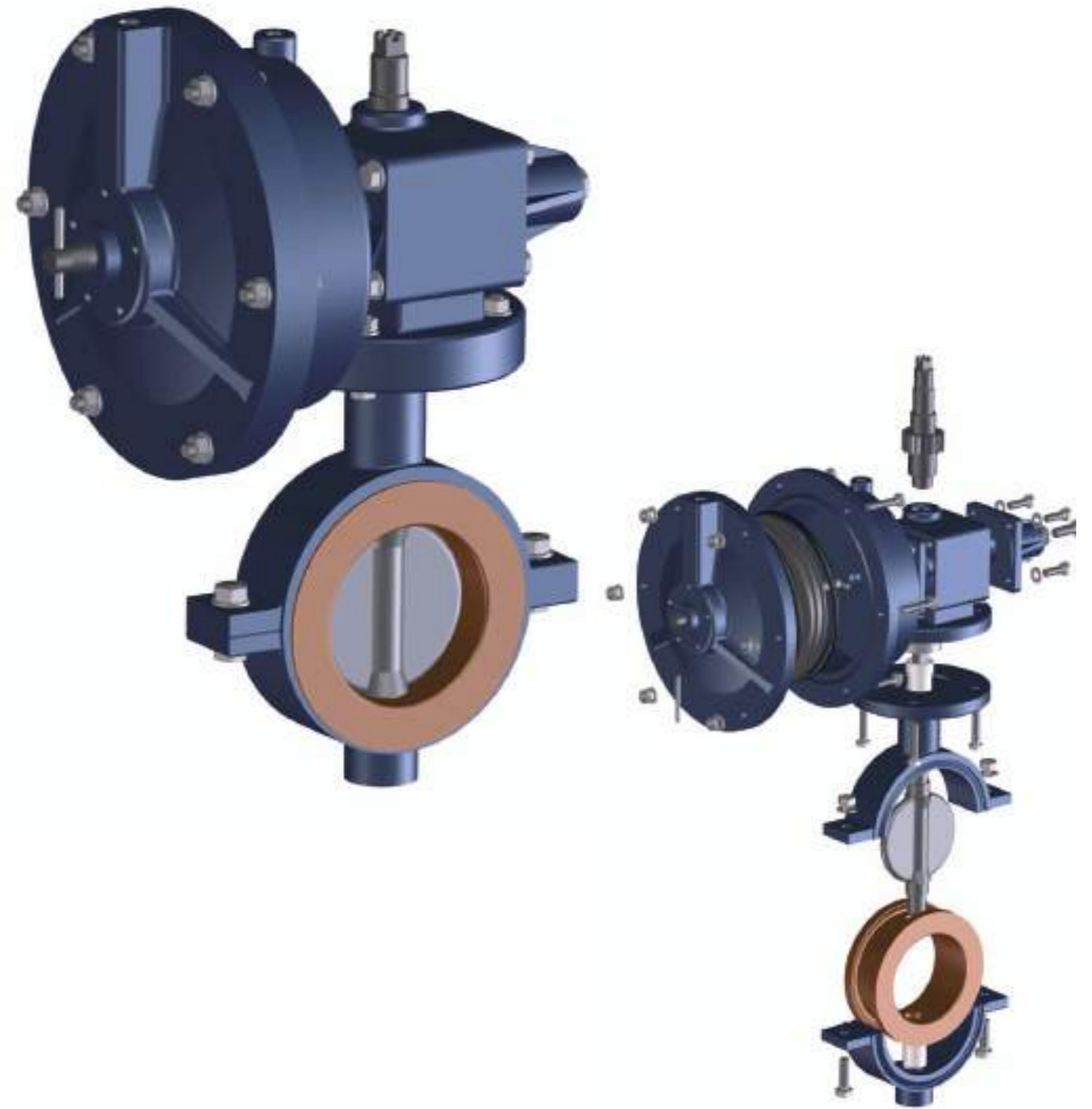
Model GS38W DSB

BUTTERFLY VALVES



DETAILS

- 1 DRIVE PIN
- 2 CAMPLING SCREW FOR BUSHING
- 3 VALVE UPPER BODY
- 4 VALVE LOWER BODY
- 5 BUSHING
- 6 BUSHING
- 7 BUTTERFLY
- 8 RUBBER SLEEVE
- 9 BOLT
- 10 WASHER
- 11 HEXAGON NUT
- 12 BOLT
- 13 WASHER
- 14 HEXAGON NUT
- 15 COVER
- 16 CYLINDER SUPPORT
- 17 BOLT
- 18 RACK
- 19 CYLINDER
- 20 PISTON
- 21 GASKET PISTON
- 22 BUSHING
- 23 WASHER
- 24 GEAR
- 25 "V" GASKET
- 26 COVER
- 27 FLANGE
- 28 BOLT
- 29 WASHER
- 30 HEXAGON NUT
- 31 OR GASKET
- 32 "V" GASKET
- 33 SOKET



AIR PRESSURE REQUIRED KG/CM²

dn	50	65	80	100	125	150	200
min.	3	3	3	3	3	3	3
max.	5	5	5	5	5	5	5

PRESSURE DETAILS UNI_1284

DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	6
65	7	10	7	6
80	7	10	7	6
100	7	10	7	6
125	7	10	7	6
150	7	10	7	6
200	6	10	6	5

WEIGHT KG

C.I.
7,000
10,000
12,000
30,000
35,000
40,000
44,000

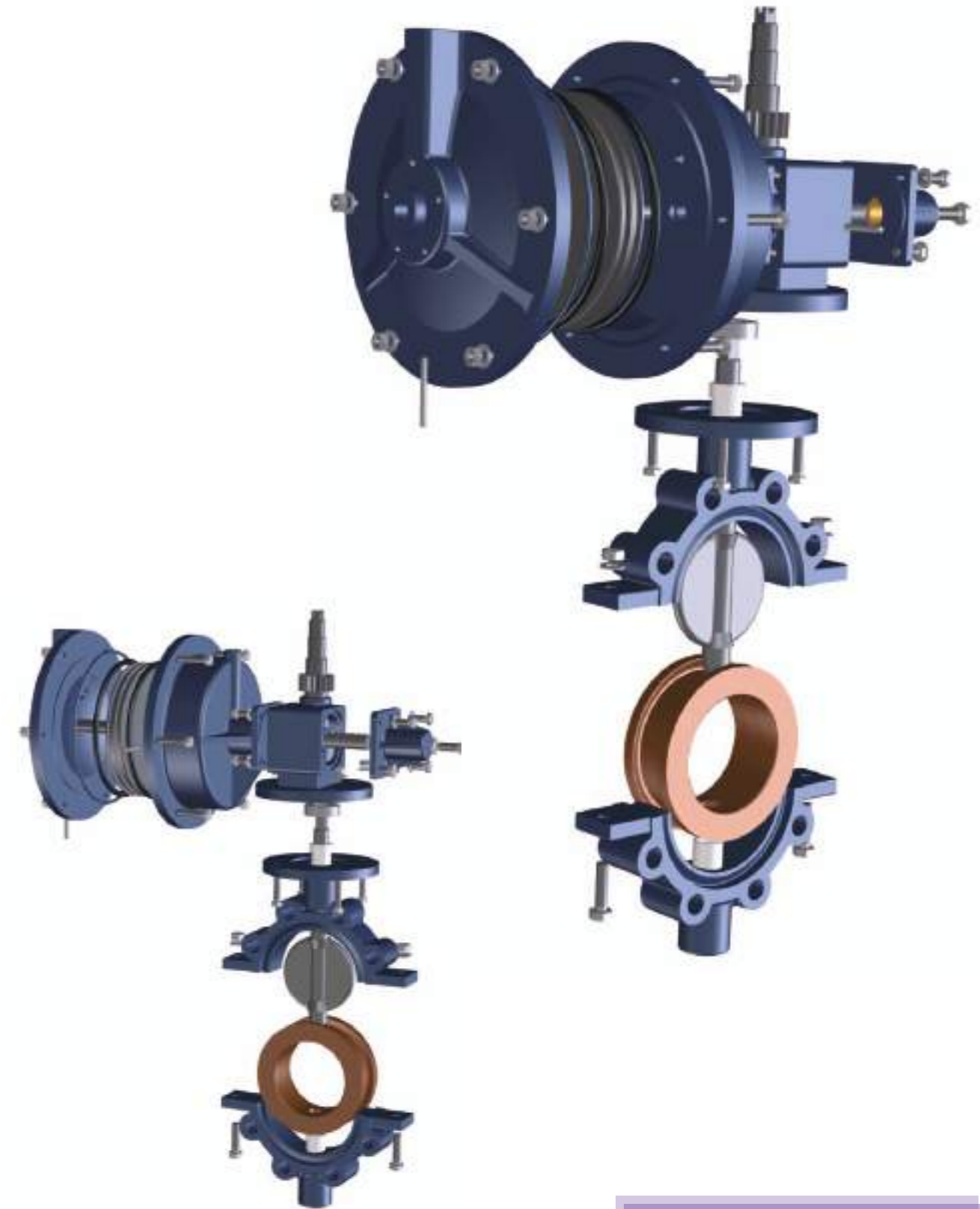
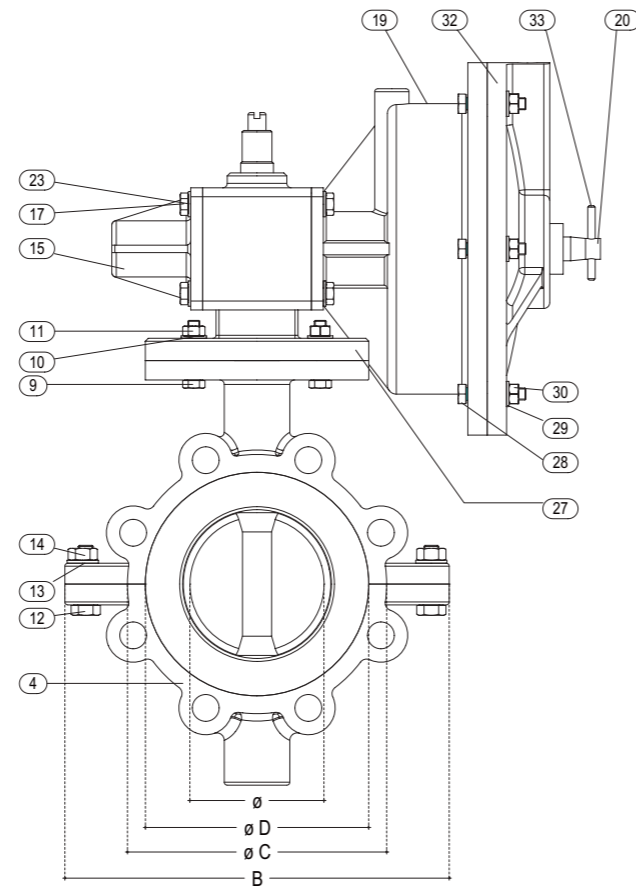
DIMENSIONS

Ø	A	B	C	D	E	F
50	345	148	108	90	200	180
65	365	165	115	108	200	180
80	380	200	134	125	200	180
100	423	220	160	150	270	200
125	463	250	190	173	270	200
150	503	280	220	204	350	220
200	590	340	270	254	350	220

NOTE: For different pressure details please ask the DPT

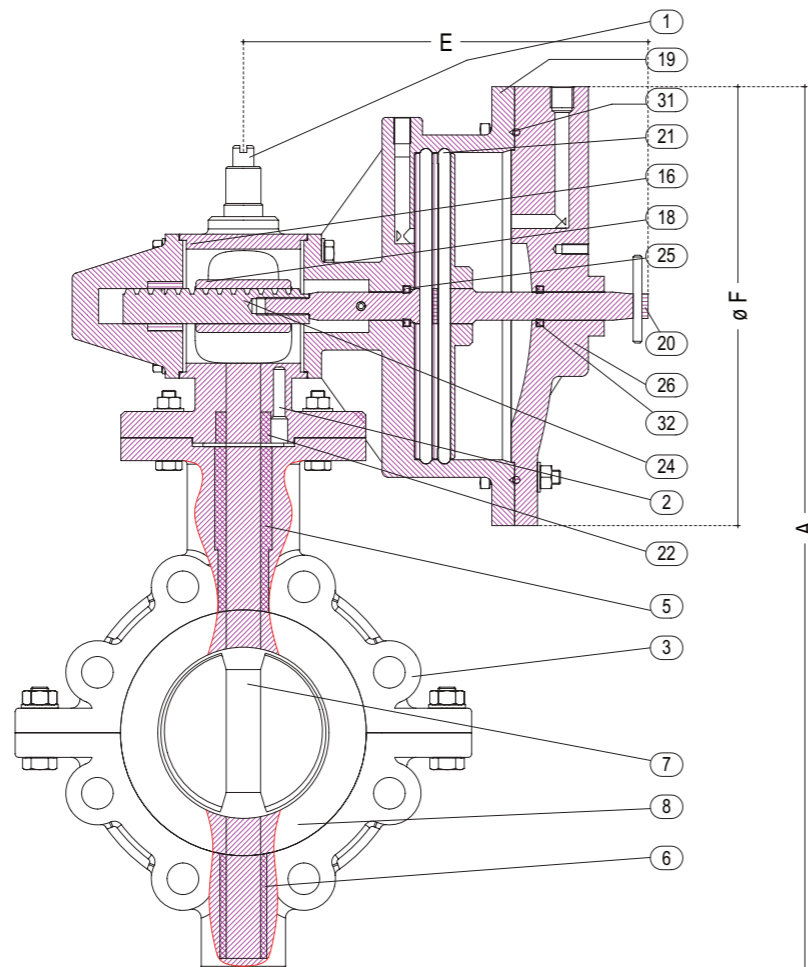
Model GS38W LUG DSB

BUTTERFLY VALVES



DETAILS

- 1 DRIVE PIN
- 2 CAMPLING SCREW FOR BUSHING
- 3 VALVE UPPER BODY
- 4 VALVE LOWER BODY
- 5 BUSHING
- 6 BUSHING
- 7 BUTTERFLY
- 8 RUBBER SLEEVE
- 9 BOLT
- 10 WASHER
- 11 HEXAGON NUT
- 12 BOLT
- 13 WASHER
- 14 HEXAGON NUT COVER
- 15 COVER
- 16 CYLINDER SUPPORT
- 17 BOLT
- 18 RACK
- 19 CYLINDER
- 20 PISTON
- 21 GASKET PISTON
- 22 BUSHING
- 23 WASHER
- 24 GEAR
- 25 "V" GASKET
- 26 COVER
- 27 FLANGE
- 28 BOLT
- 29 WASHER
- 30 HEXAGON NUT
- 31 OR GASKET
- 32 "V" GASKET
- 33 SOKET



PRESSURE DETAILS UNI_1284

DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	6
65	7	10	7	6
80	7	10	7	6
100	7	10	7	6
125	7	10	7	6
150	7	10	7	6
200	6	10	6	5

AIR PRESSURE REQUIRED KG/CM²

dn	50	65	80	100	125	150	200
min.	3	3	3	3	3	3	3
max.	5	5	5	5	5	5	5

WEIGHT KG C.I.

7,000
10,000
12,000
30,000
35,000
40,000
44,000

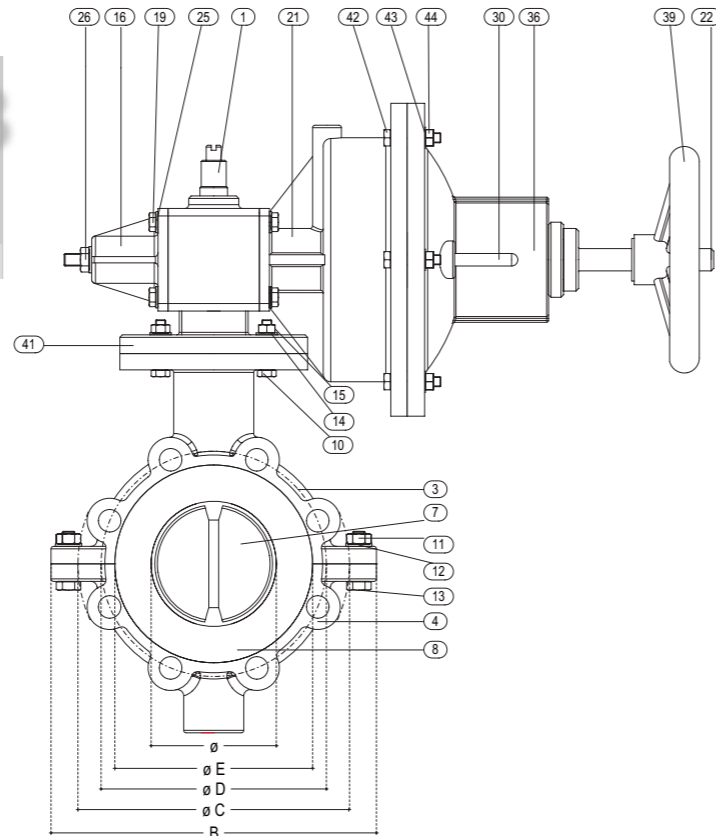
DIMENSIONS

Ø	A	B	C	D	E	F
50	345	148	108	90	200	180
65	365	165	115	108	200	180
80	380	200	134	125	200	180
100	423	220	160	150	270	200
125	463	250	190	173	270	200
150	503	280	220	204	350	220
200	590	340	270	254	350	220

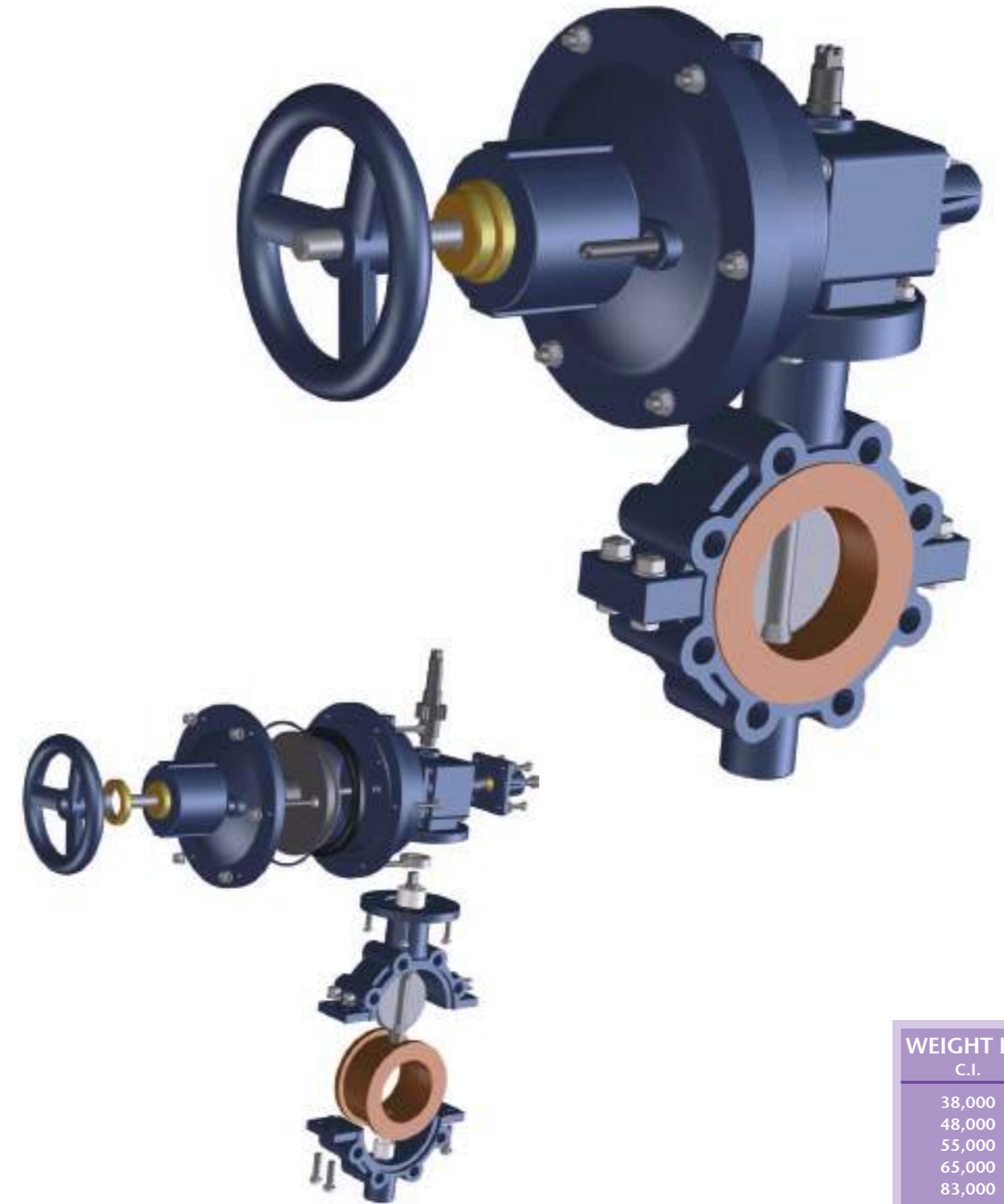
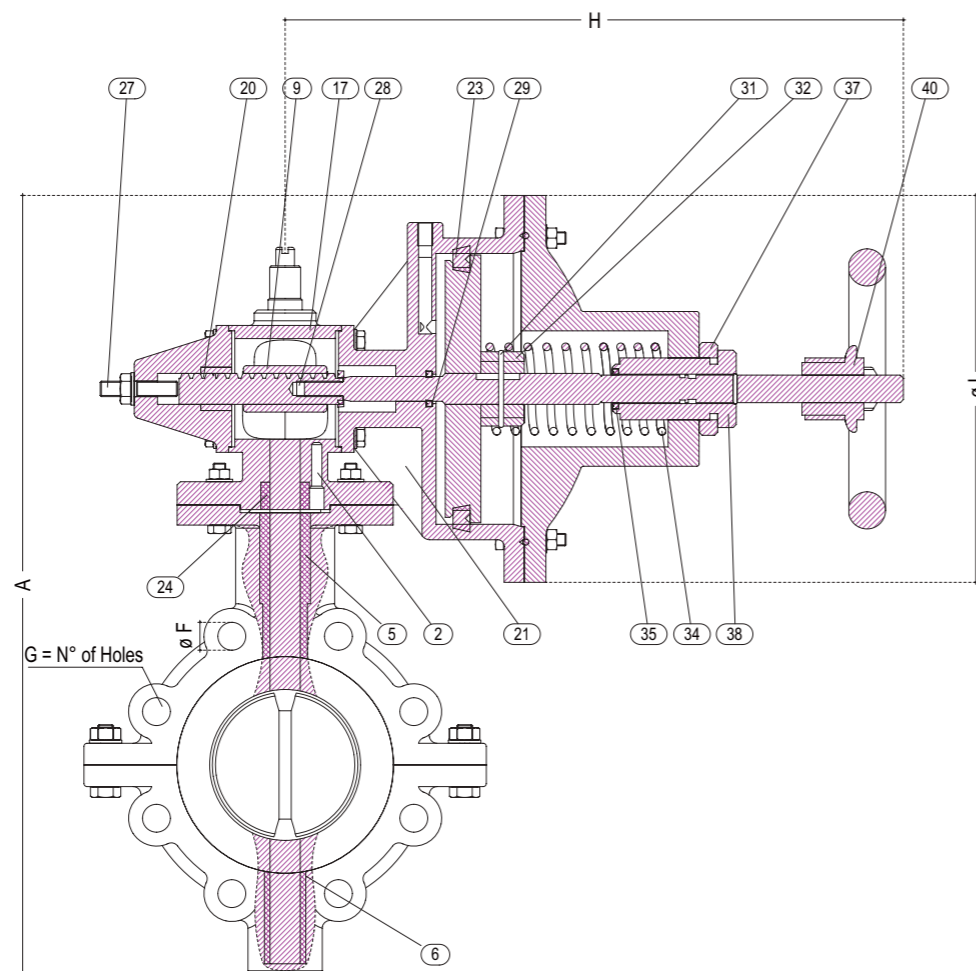
NOTE: For different pressure details please ask the DPT

Model GS40 DSB

BUTTERFLY VALVES



- DETAILS**
- 1 DRIVE PIN
 - 2 CAMPLING SCREW FOR BUSHING
 - 3 VALVE UPPER BODY
 - 4 VALVE LOWER BODY
 - 5 BUSHING
 - 6 BUSHING
 - 7 BUTTERFLY
 - 8 RUBBER SLEEVE
 - 9 KEY
 - 10 BOLT
 - 11 HEXAGON NUT
 - 12 WASHER
 - 13 BOLT
 - 14 WASHER
 - 15 HEXAGON NUT
 - 16 COVER
 - 17 SUPPORT CYLINDER
 - 18 GASKET OR
 - 19 BOLT
 - 20 RACK
 - 21 CYLINDER
 - 22 PISTON
 - 23 GASKET PISTON
 - 24 BUSHING
 - 25 WASHER
 - 26 HEXAGON NUT
 - 27 ADJUSTEMENT SCREWS
 - 28 GEAR
 - 29 "V" GASKET
 - 30 GUIDE PIN
 - 31 SOKET
 - 32 BUSHING
 - 33 BUSHING OR
 - 34 SPRINGS
 - 35 GASKET OR
 - 36 COVER
 - 37 BUSHING
 - 38 REGOLATOR BUSHING
 - 39 WHEEL
 - 40 BUSHING
 - 41 FLANGE
 - 42 BOLT
 - 43 WASHER
 - 44 HEXAGON NUT



WEIGHT KG
C.I.
38,000
48,000
55,000
65,000
83,000

AIR PRESSURE REQUIRED KG/CM ²					
dn	100	150	200	250	300
min.	4	4	4	4	4
max.	6	6	6	6	6

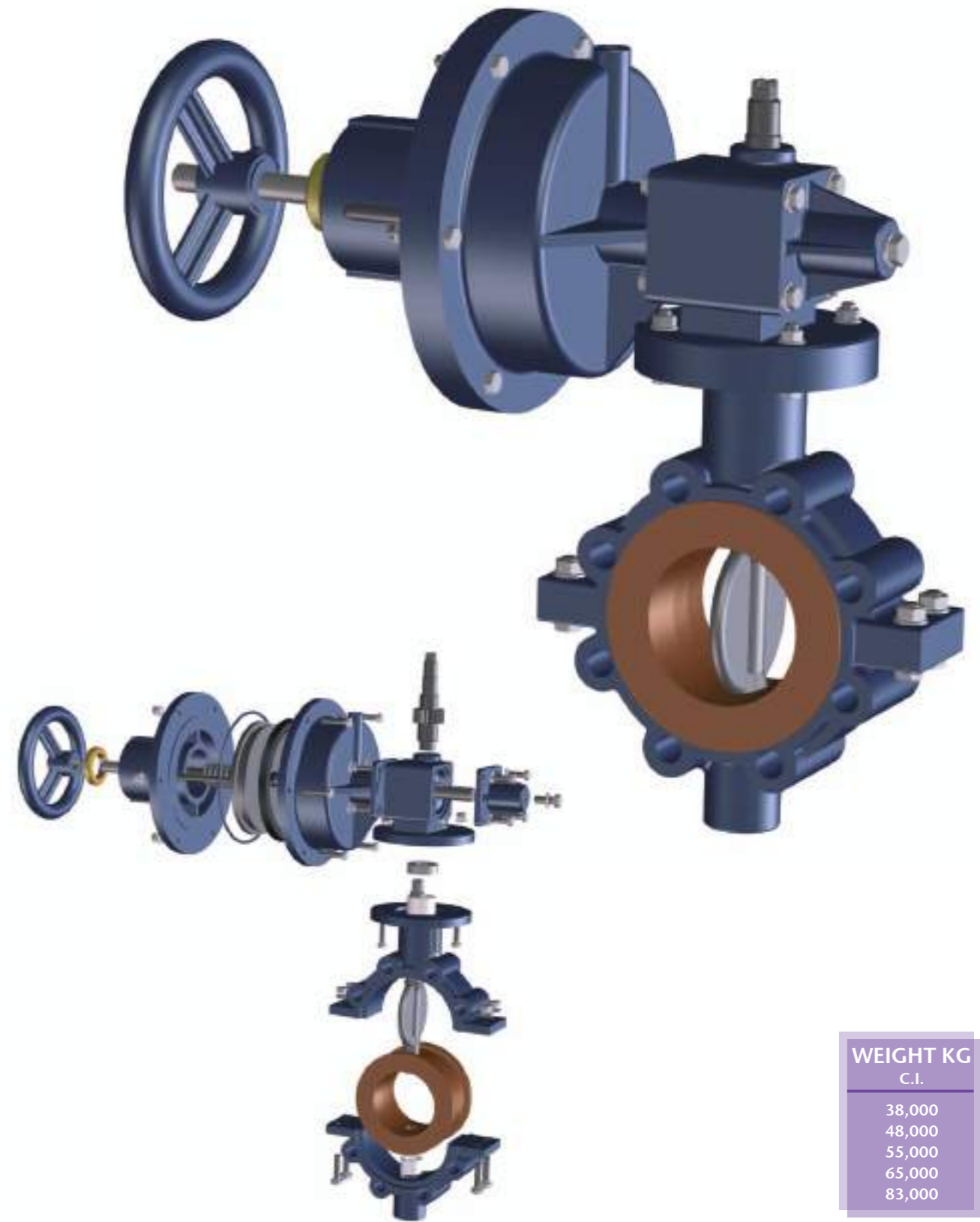
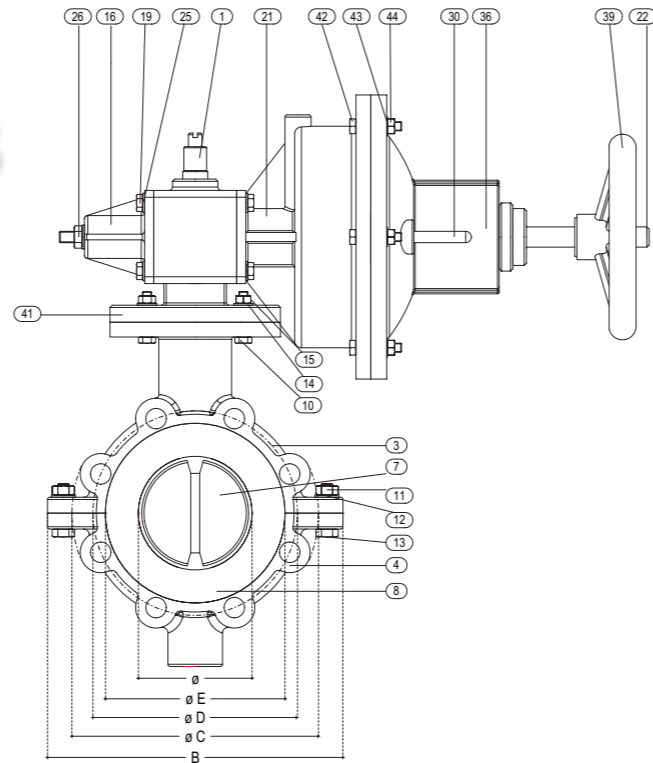
PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST		WORKING PRESSURE
		kg/cm ²		
		OPEN	CLOSE	kg/cm ²
100	7	10	7	6
150	7	10	7	6
200	6	10	6	5
250	6	10	6	5
300	6	10	6	5

DIMENSIONS									
Ø	A	B	C	D	E	F	G	H	I
100	480	290	230	180	160	18	8	400	200
150	570	366	285	240	210	22	8	400	200
200	655	420	340	295	260	22	8	550	220
250	725	484	406	350	310	22	12	600	270
300	780	566	483	400	360	22	12	600	270

NOTE: For different pressure details please ask the DPT

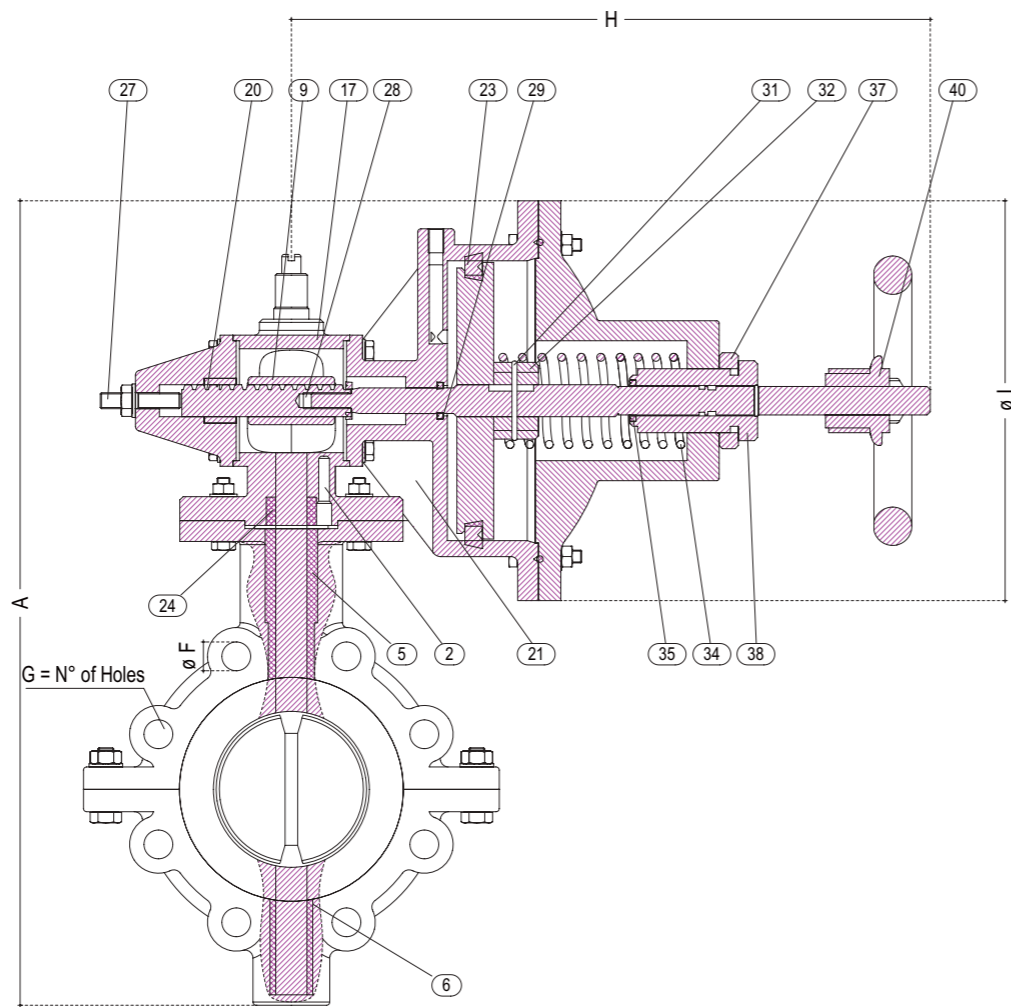
Model GS40A DSB

BUTTERFLY VALVES



DETAILS

- 1 DRIVE PIN
- 2 CAMPLING SCREW FOR BUSHING
- 3 VALVE UPPER BODY
- 4 VALVE LOWER BODY
- 5 BUSHING
- 6 BUSHING
- 7 BUTTERFLY
- 8 RUBBER SLEEVE
- 9 KEY
- 10 BOLT
- 11 HEXAGON NUT
- 12 WASHER
- 13 BOLT
- 14 WASHER
- 15 HEXAGON NUT
- 16 COVER
- 17 SUPPORT CYLINDER
- 18 GASKET OR
- 19 BOLT
- 20 RACK
- 21 CYLINDER
- 22 PISTON
- 23 GASKET PISTON
- 24 BUSHING
- 25 WASHER
- 26 HEXAGON NUT
- 27 ADJUSTEMENT SCREWS
- 28 GEAR
- 29 "V" GASKET
- 30 GUIDE PIN
- 31 SOKET
- 32 BUSHING
- 33 BUSHING OR
- 34 SPRINGS
- 35 GASKET OR
- 36 COVER
- 37 BUSHING
- 38 REGOLATOR BUSHING
- 39 WHEEL
- 40 BUSHING
- 41 FLANGE
- 42 BOLT
- 43 WASHER
- 44 HEXAGON NUT



WEIGHT KG
C.I.
38,000
48,000
55,000
65,000
83,000

AIR PRESSURE REQUIRED KG/CM ²					
dn	100	150	200	250	300
min.	4	4	4	4	4
max.	6	6	6	6	6

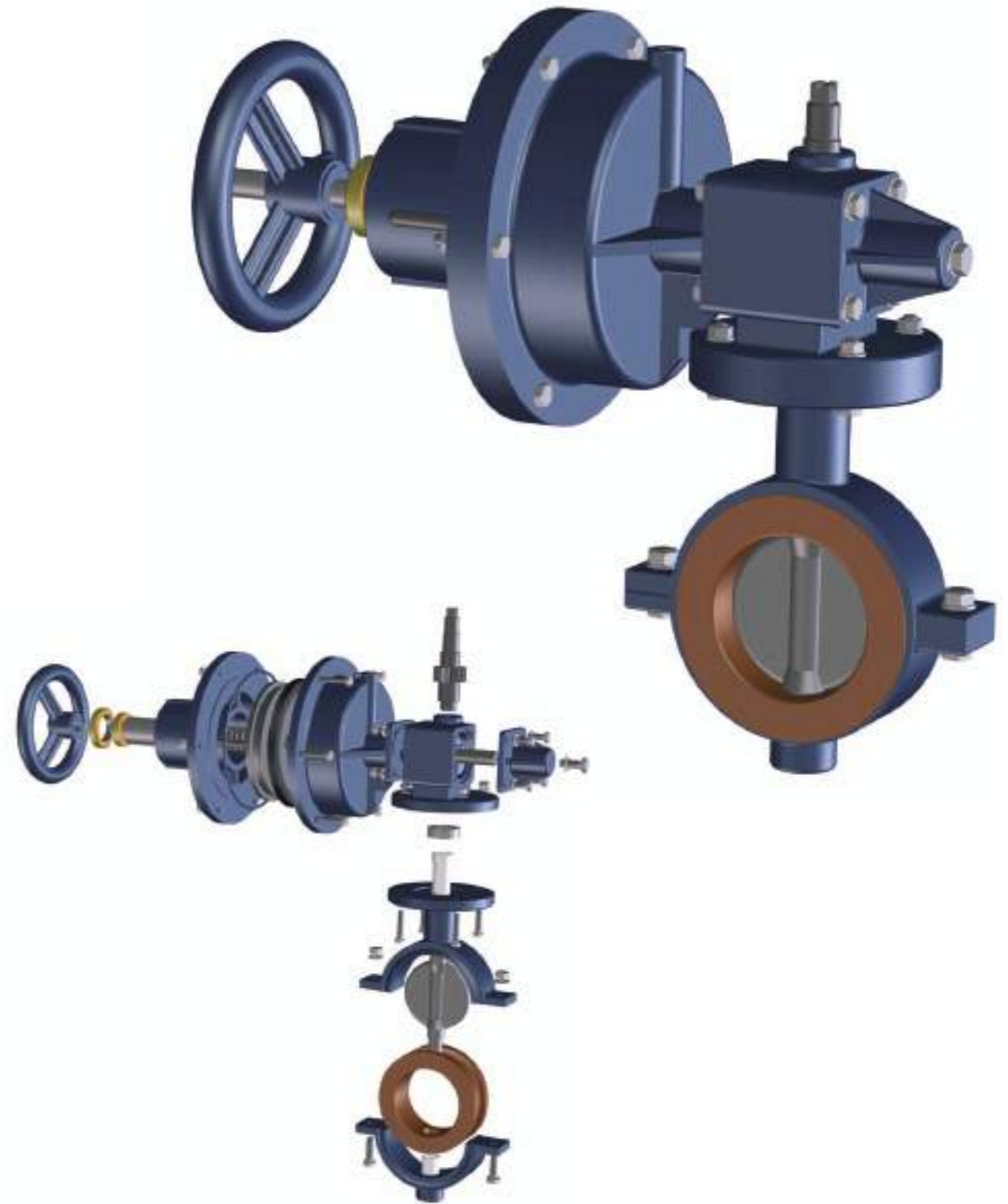
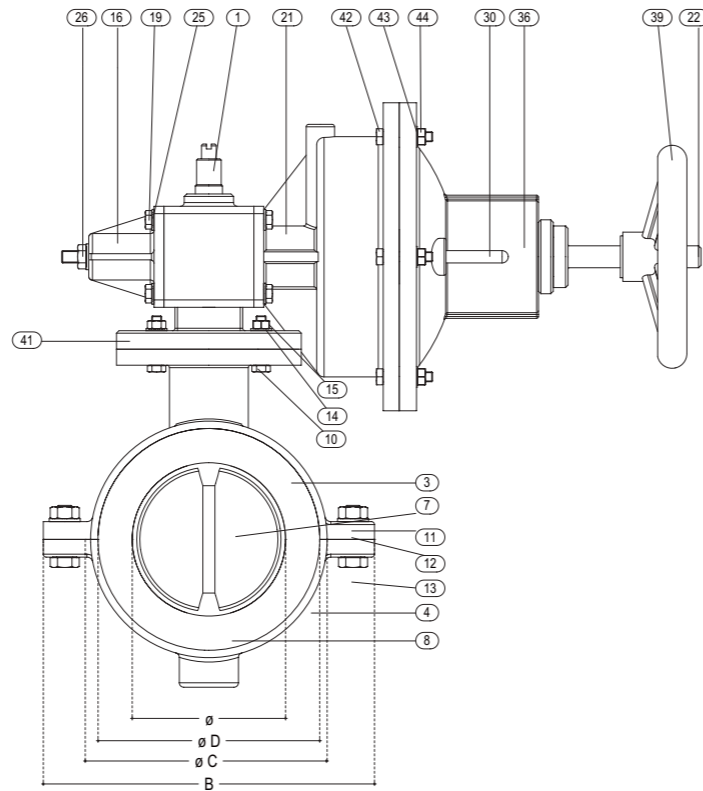
PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST		WORKING PRESSURE
		kg/cm ²		
		OPEN	CLOSE	kg/cm ²
100	7	10	7	6
150	7	10	7	6
200	6	10	6	5
250	6	10	6	5
300	6	10	6	5

DIMENSIONS									
Ø	A	B	C	D	E	F	G	H	I
100	480	290	230	180	160	18	8	400	200
150	570	366	285	240	210	22	8	400	200
200	655	420	340	295	260	22	8	550	220
250	725	484	406	350	310	22	12	600	270
300	780	566	483	400	360	22	12	600	270

NOTE: For different pressure details please ask the DPT

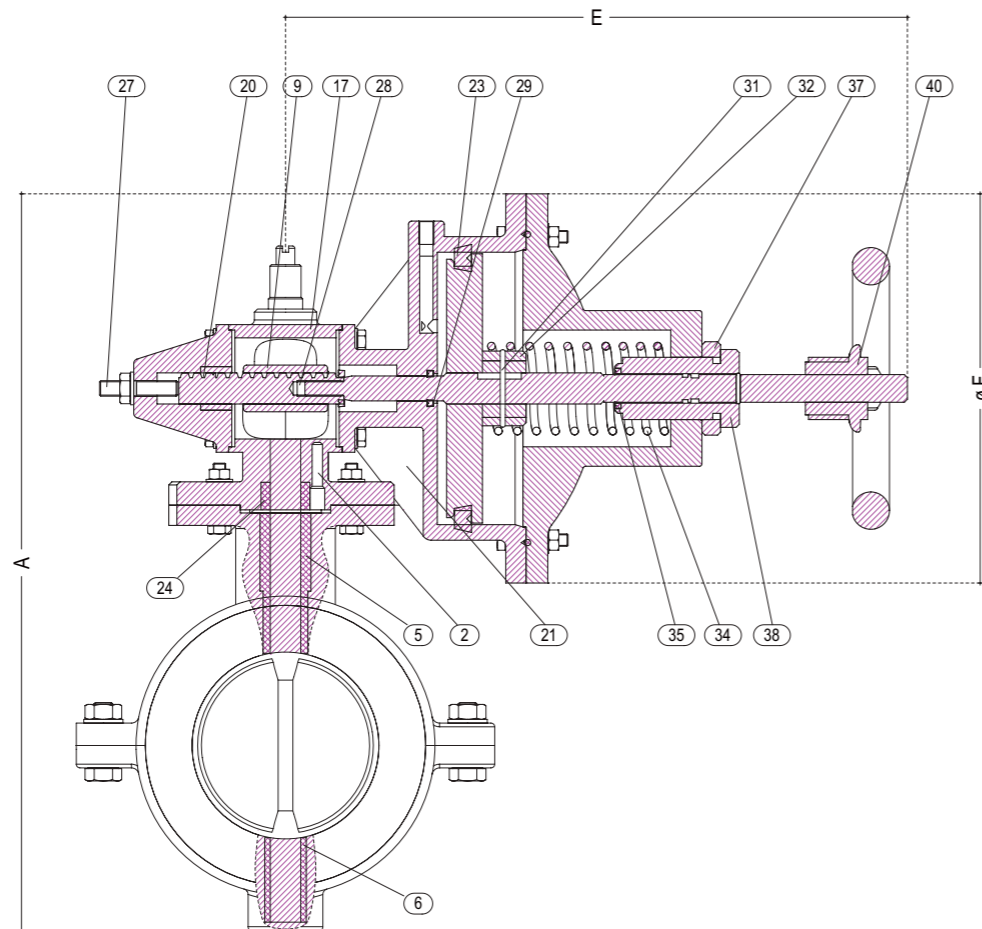
Model GS40W DSB

BUTTERFLY VALVES



DETAILS

- 1 DRIVE PIN
- 2 CAMPLING SCREW FOR BUSHING
- 3 VALVE UPPER BODY
- 4 VALVE LOWER BODY
- 5 BUSHING
- 6 BUSHING
- 7 BUTTERFLY
- 8 RUBBER SLEEVE
- 9 KEY
- 10 BOLT
- 11 HEXAGON NUT
- 12 WASHER
- 13 BOLT
- 14 WASHER
- 15 HEXAGON NUT
- 16 COVER
- 17 SUPPORT CYLINDER
- 18 GASKET OR
- 19 BOLT
- 20 RACK
- 21 CYLINDER
- 22 PISTON
- 23 GASKET PISTON
- 24 BUSHING
- 25 WASHER
- 26 HEXAGON NUT
- 27 ADJUSTMENT SCREWS
- 28 GEAR
- 29 "V" GASKET
- 30 GUIDE PIN
- 31 SOKET
- 32 BUSHING
- 33 BUSHING OR
- 34 SPRINGS
- 35 GASKET OR
- 36 COVER
- 37 BUSHING
- 38 REGOLATOR BUSHING
- 39 WHEEL
- 40 BUSHING
- 41 FLANGE
- 42 BOLT
- 43 WASHER
- 44 HEXAGON NUT



AIR PRESSURE REQUIRED KG/CM ²							
dn	50	65	80	100	125	150	200
min.	4	4	4	4	4	4	4
max.	6	6	6	6	6	6	6

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	6
65	7	10	7	6
80	7	10	7	6
100	7	10	7	6
125	7	10	7	6
150	7	10	7	6
200	6	10	6	5

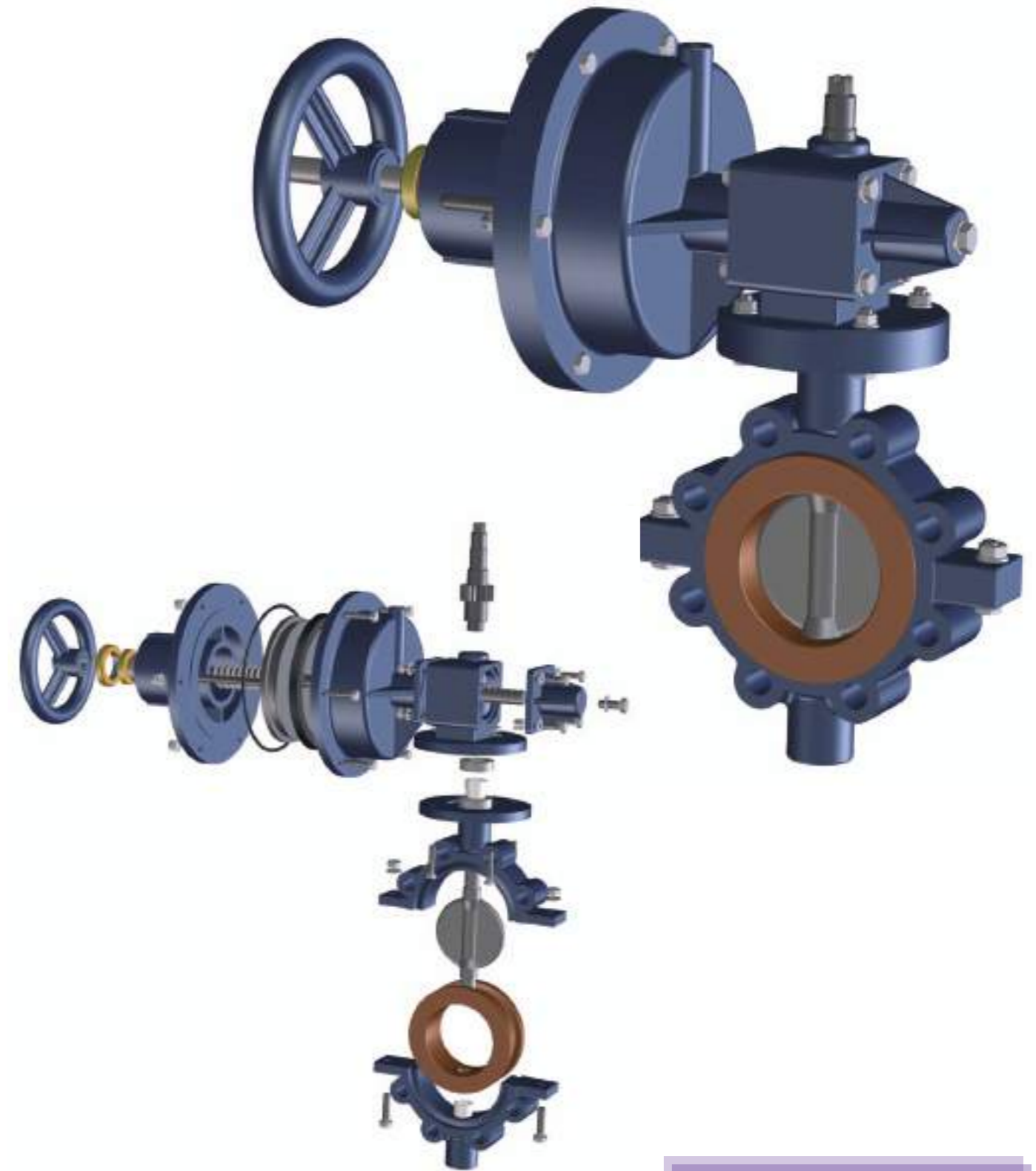
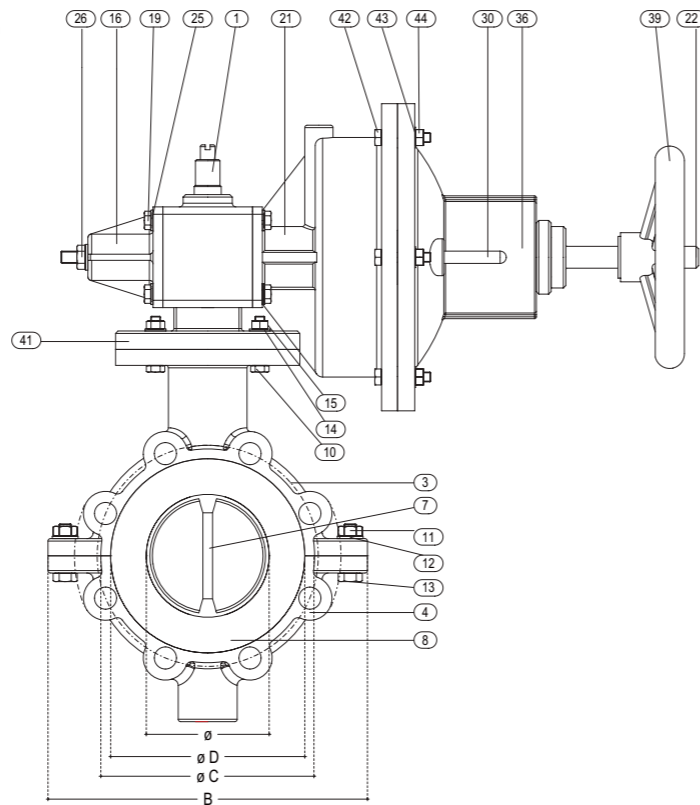
WEIGHT KG C.I.
8,000
11,000
13,000
32,000
37,000
43,000
47,000

Ø	DIMENSIONS					
	A	B	C	D	E	F
50	345	148	108	90	380	180
65	365	165	115	108	380	180
80	380	200	134	125	380	180
100	423	220	160	150	400	200
125	463	250	190	173	400	200
150	503	280	220	204	550	220
200	590	340	270	254	550	220

NOTE: For different pressure details please ask the DPT

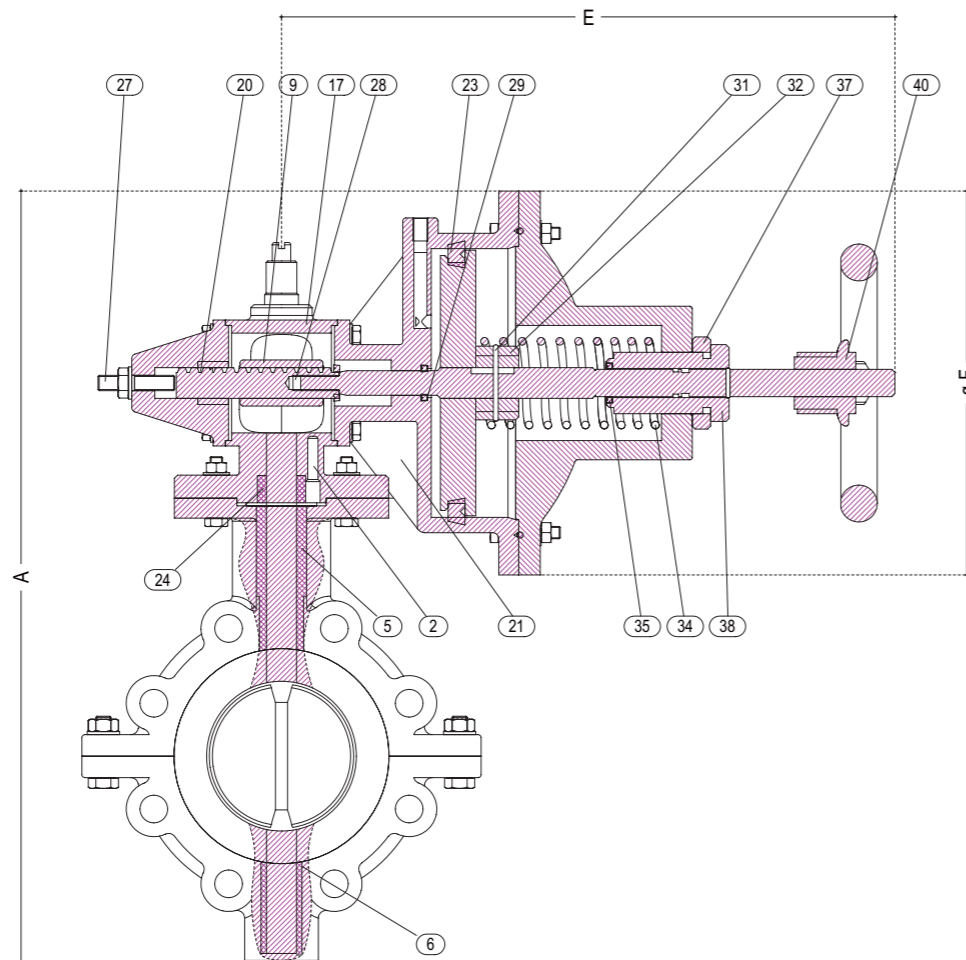
Model GS40W LUG DSB

BUTTERFLY VALVES



DETAILS

- 1 DRIVE PIN
- 2 CAMPLING SCREW FOR BUSHING
- 3 VALVE UPPER BODY
- 4 VALVE LOWER BODY
- 5 BUSHING
- 6 BUSHING
- 7 BUTTERFLY
- 8 RUBBER SLEEVE
- 9 KEY
- 10 BOLT
- 11 HEXAGON NUT
- 12 WASHER
- 13 BOLT
- 14 WASHER
- 15 HEXAGON NUT COVER
- 16 COVER
- 17 SUPPORT CYLINDER
- 18 GASKET OR
- 19 BOLT
- 20 RACK
- 21 CYLINDER
- 22 PISTON
- 23 GASKET PISTON
- 24 BUSHING
- 25 WASHER
- 26 HEXAGON NUT ADJUSTEMENT SCREWS
- 27
- 28 GEAR
- 29 "V" GASKET
- 30 GUIDE PIN
- 31 SOKET
- 32 BUSHING
- 33 BUSHING OR
- 34 SPRINGS
- 35 GASKET OR
- 36 COVER
- 37 BUSHING
- 38 REGOLATOR BUSHING
- 39 WHEEL
- 40 BUSHING
- 41 FLANGE
- 42 BOLT
- 43 WASHER
- 44 HEXAGON NUT



PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	6
65	7	10	7	6
80	7	10	7	6
100	7	10	7	6
125	7	10	7	6
150	7	10	7	6
200	6	10	6	5

WEIGHT KG C.I.
8,000
11,000
13,000
32,000
37,000
43,000
47,000

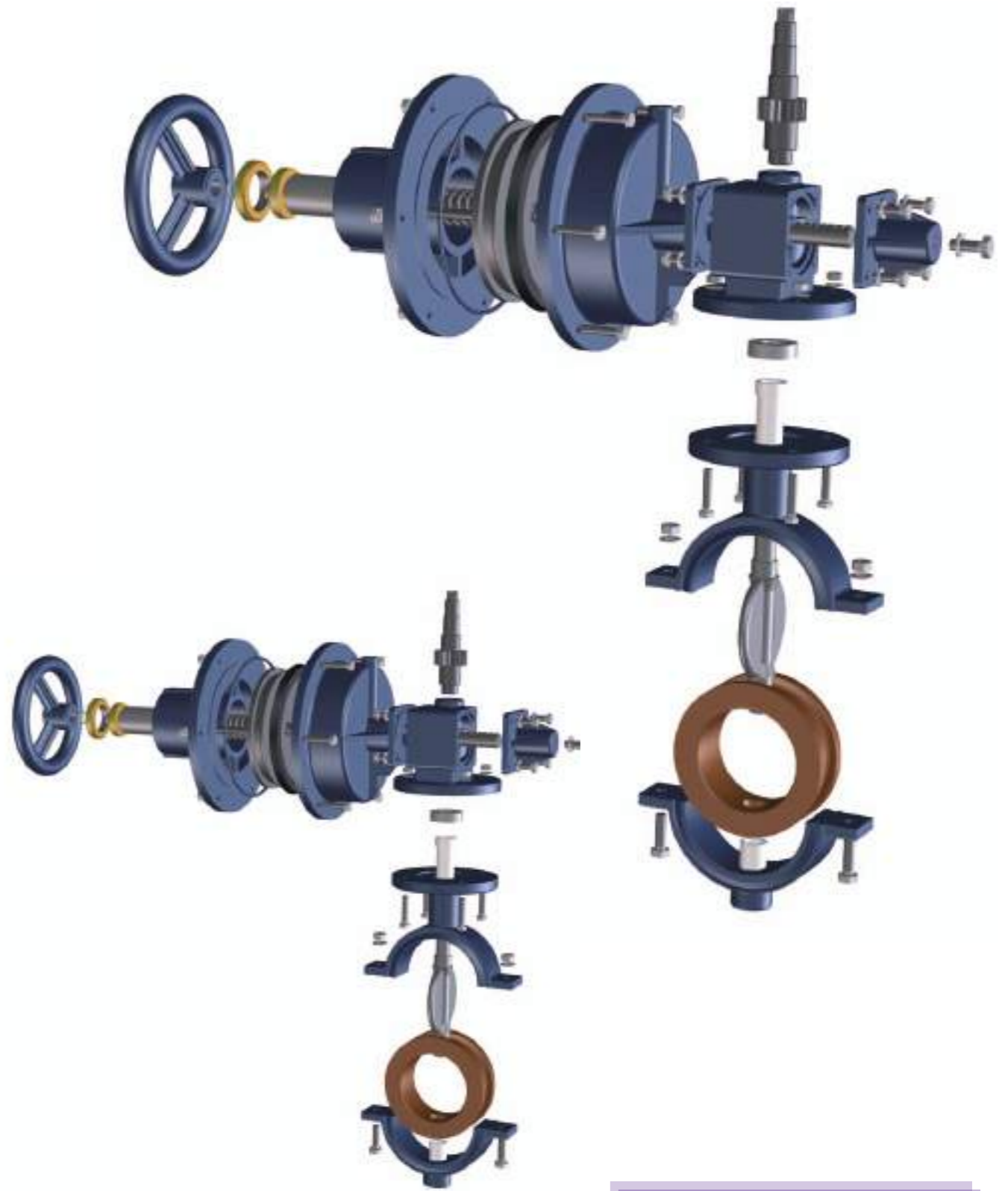
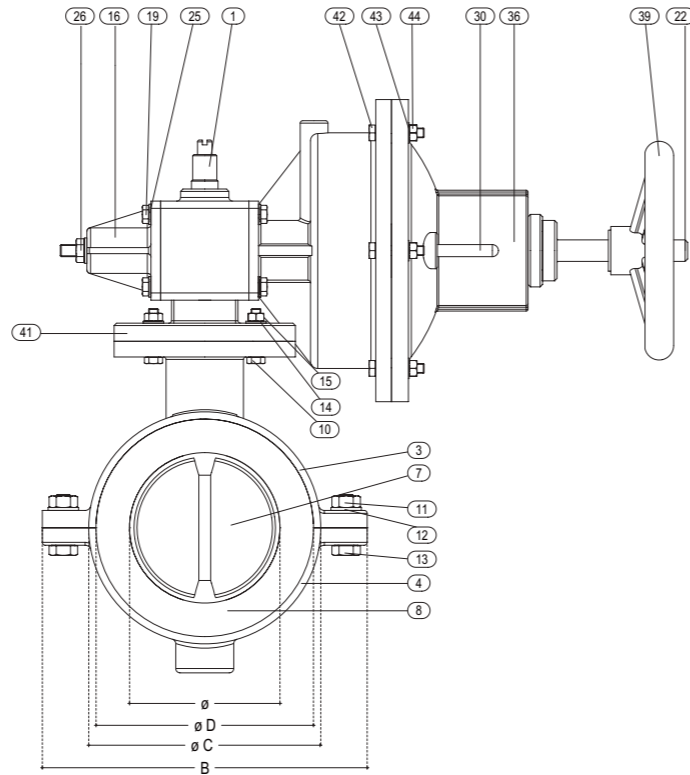
AIR PRESSURE REQUIRED KG/CM ²							
dn	50	65	80	100	125	150	200
min.	4	4	4	4	4	4	4
max.	6	6	6	6	6	6	6

DIMENSIONS						
Ø	A	B	C	D	E	F
50	345	148	108	90	380	180
65	365	165	115	108	380	180
80	380	200	134	125	380	180
100	423	220	160	150	400	200
125	463	250	190	173	400	200
150	503	280	220	204	550	220
200	590	340	270	254	550	220

NOTE: For different pressure details please ask the DPT

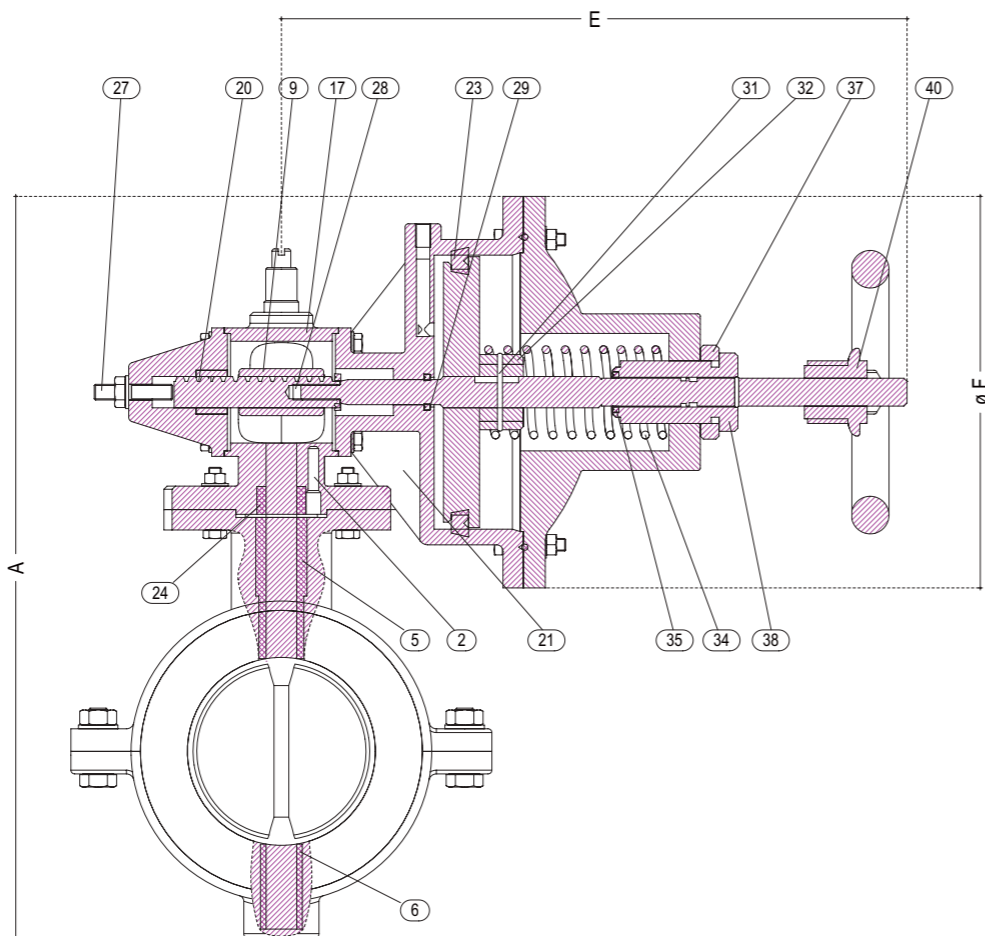
Model GS40AW DSB

BUTTERFLY VALVES



DETAILS

- 1 DRIVE PIN
- 2 CAMPLING SCREW FOR BUSHING
- 3 VALVE UPPER BODY
- 4 VALVE LOWER BODY
- 5 BUSHING
- 6 BUSHING
- 7 BUTTERFLY
- 8 RUBBER SLEEVE
- 9 KEY
- 10 BOLT
- 11 HEXAGON NUT
- 12 WASHER
- 13 BOLT
- 14 WASHER
- 15 HEXAGON NUT
- 16 COVER
- 17 SUPPORT CYLINDER
- 18 GASKET OR
- 19 BOLT
- 20 RACK
- 21 CYLINDER
- 22 PISTON
- 23 GASKET PISTON
- 24 BUSHING
- 25 WASHER
- 26 HEXAGON NUT
- 27 ADJUSTMENT SCREWS
- 28 GEAR
- 29 "V" GASKET
- 30 GUIDE PIN
- 31 SOKET
- 32 BUSHING
- 33 BUSHING OR
- 34 SPRINGS
- 35 GASKET OR
- 36 COVER
- 37 BUSHING
- 38 REGOLATOR BUSHING
- 39 WHEEL
- 40 BUSHING
- 41 FLANGE
- 42 BOLT
- 43 WASHER
- 44 HEXAGON NUT



AIR PRESSURE REQUIRED KG/CM ²							
dn	50	65	80	100	125	150	200
min.	4	4	4	4	4	4	4
max.	6	6	6	6	6	6	6

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	6
65	7	10	7	6
80	7	10	7	6
100	7	10	7	6
125	7	10	7	6
150	7	10	7	6
200	6	10	6	5

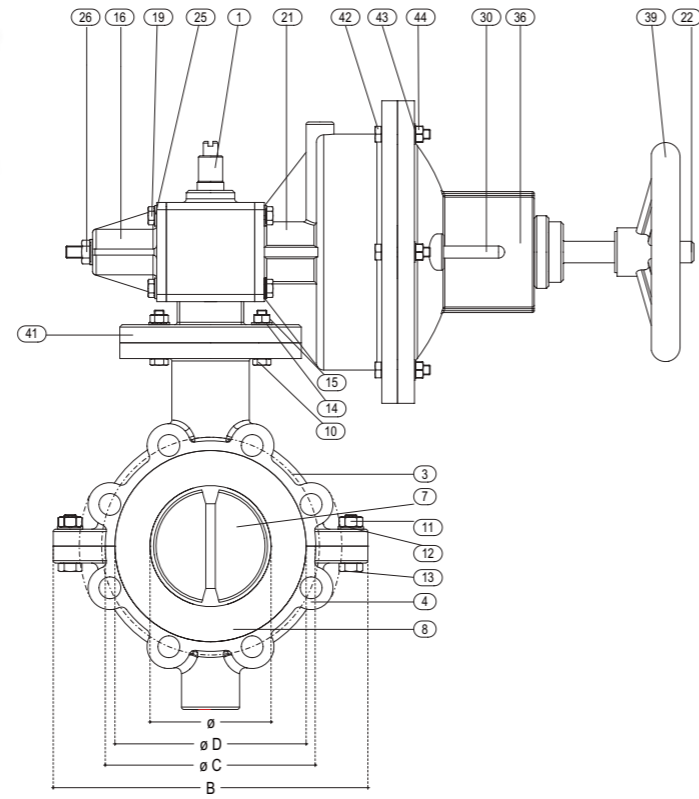
WEIGHT KG	
DN	C.I.
50	8,000
65	11,000
80	13,000
100	32,000
125	37,000
150	43,000
200	47,000

DIMENSIONS						
Ø	A	B	C	D	E	F
50	345	148	108	90	380	180
65	365	165	115	108	380	180
80	380	200	134	125	380	180
100	423	220	160	150	400	200
125	463	250	190	173	400	200
150	503	280	220	204	550	220
200	590	340	270	254	550	220

NOTE: For different pressure details please ask the DPT

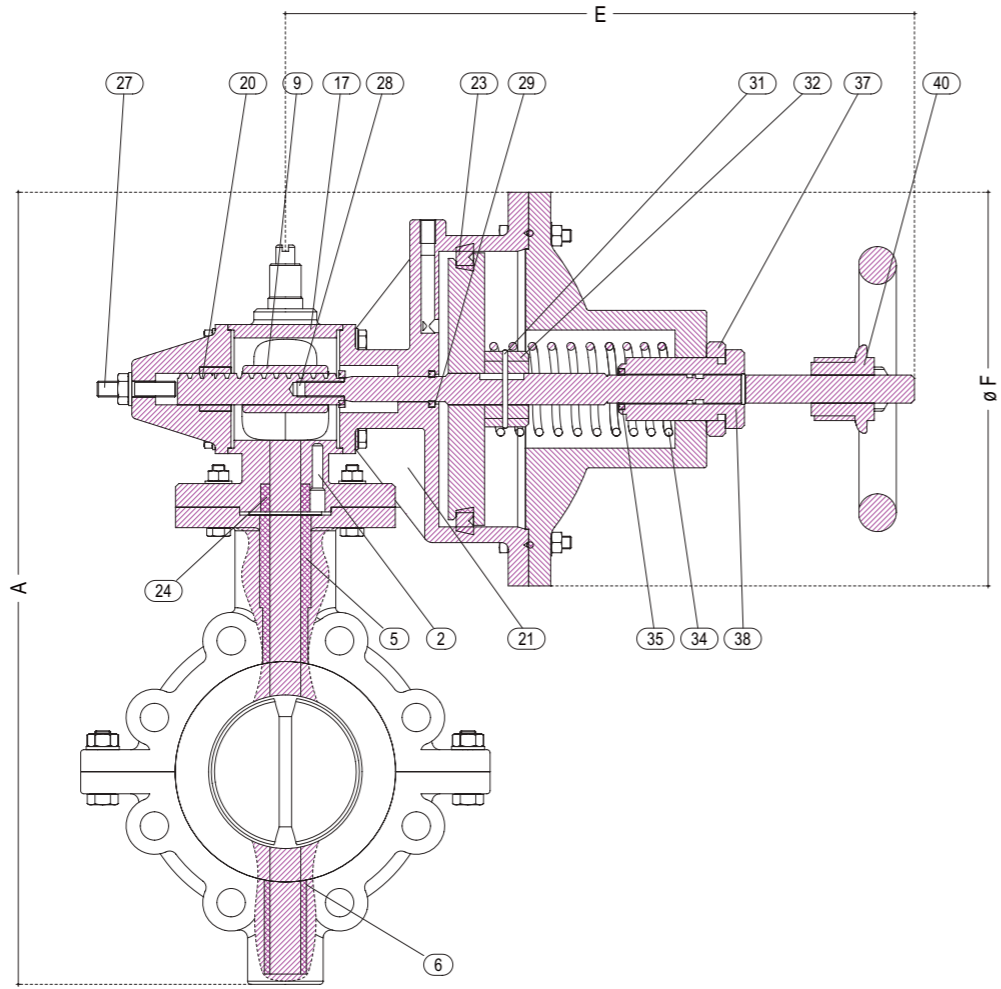
Model GS40AW LUG DSB

BUTTERFLY VALVES



DETAILS

- 1 DRIVE PIN
- 2 CAMPLING SCREW FOR BUSHING
- 3 VALVE UPPER BODY
- 4 VALVE LOWER BODY
- 5 BUSHING
- 6 BUSHING
- 7 BUTTERFLY
- 8 RUBBER SLEEVE
- 9 KEY
- 10 BOLT
- 11 HEXAGON NUT
- 12 WASHER
- 13 BOLT
- 14 WASHER
- 15 HEXAGON NUT
- 16 COVER
- 17 SUPPORT CYLINDER
- 18 GASKET OR
- 19 BOLT
- 20 RACK
- 21 CYLINDER
- 22 PISTON
- 23 GASKET PISTON
- 24 BUSHING
- 25 WASHER
- 26 HEXAGON NUT
- 27 ADJUSTMENT SCREWS
- 28 GEAR
- 29 "V" GASKET
- 30 GUIDE PIN
- 31 SOKET
- 32 BUSHING
- 33 BUSHING OR SPRINGS
- 34 GASKET OR COVER
- 35 BUSHING
- 36 REGULATOR BUSHING
- 37 WHEEL
- 38 BUSHING
- 39 FLANGE
- 40 BOLT
- 41 WASHER
- 42 HEXAGON NUT



AIR PRESSURE REQUIRED KG/CM ²							
dn	50	65	80	100	125	150	200
min.	4	4	4	4	4	4	4
max.	6	6	6	6	6	6	6

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
50	7	10	7	6
65	7	10	7	6
80	7	10	7	6
100	7	10	7	6
125	7	10	7	6
150	7	10	7	6
200	6	10	6	5

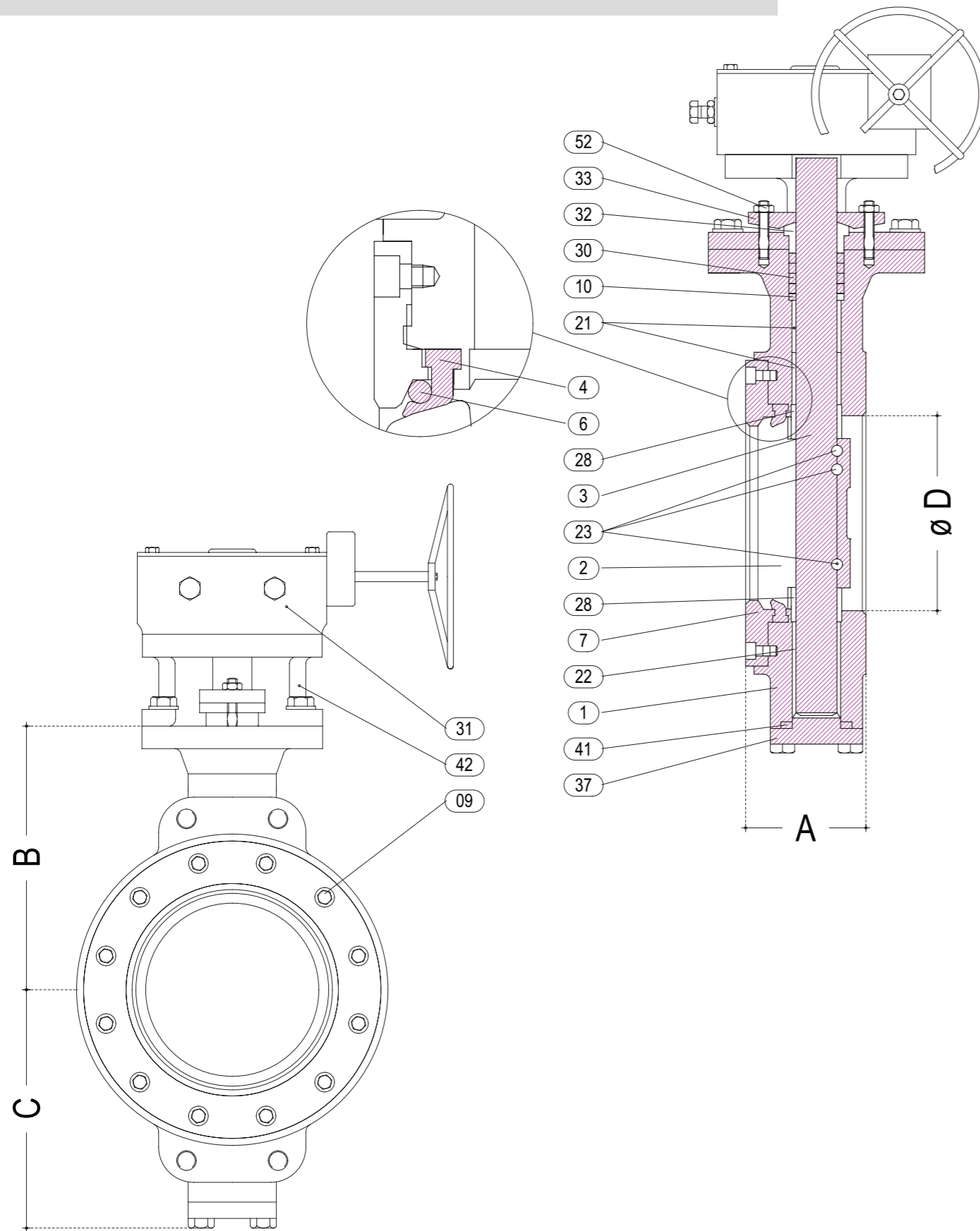
WEIGHT KG C.I.
8,000
11,000
13,000
32,000
37,000
43,000
47,000

DIMENSIONS							
Ø	A	B	C	D	E	F	
50	345	148	108	90	380	180	
65	365	165	115	108	380	180	
80	380	200	134	125	380	180	
100	423	220	160	150	400	200	
125	463	250	190	173	400	200	
150	503	280	220	204	550	220	
200	590	340	270	254	550	220	

NOTE: For different pressure details please ask the DPT

Model GS30HP

HIGH PERFORMANCE BUTTERFLY VALVES



DETAILS

1	BODY
2	DISC
3	STEM
4	SEAT
6	SEAT BACKUP RING
7	SEAT RETAINER
9	SOCH.HD.CTSK.SCREW
10	SPACER
21	TOP STEM BEARING
22	BOTTOM STEM BEARING
23	TAPPER PIN NUT.WASHER
28	THRUST BEARING
30	PACKING
31	GEAR UNIT
32	GLAND
33	GLAND FLANGE
37	BOTTOM COVER
41	GASKET
42	YOKE
52	GLAND STUD.HEX NUT

TEST PRESSURE IN BAR

CLASS	150	300
HYD SHELL	30	76
SEAT	22	55
AIR SEAT	6,9	6,9

WEIGHT KG CLASS 150

WAFER	LUGGED
5,50	7,50
6,00	8,00
8,00	10,00
11,00	14,00
12,00	14,00
16,00	20,00
36,00	45,00
55,00	62,00
70,00	84,00
95,00	122,00
140,00	204,00
180,00	360,00
230,00	456,00
350,00	552,00

WEIGHT KG CLASS 300 LUGGED

9,00
11,00
13,00
18,00
24,00
40,00
60,00
95,00
130,00
180,00
315,00
390,00
550,00
725,00

DIMENSIONS CLASS 150

DN	A	B	C	Ø D
50	43	164	93	62
65	46	181	99	75
80	48	208	120	92
100	54	234	135	114
125	57	238	142	134
150	57	254	175	158
200	64	305	185	214
250	71	340	225	260
300	81	380	265	314
350	92	415	300	354
400	102	445	325	399
450	115	505	355	454
500	128	545	380	494
600	154	640	450	584

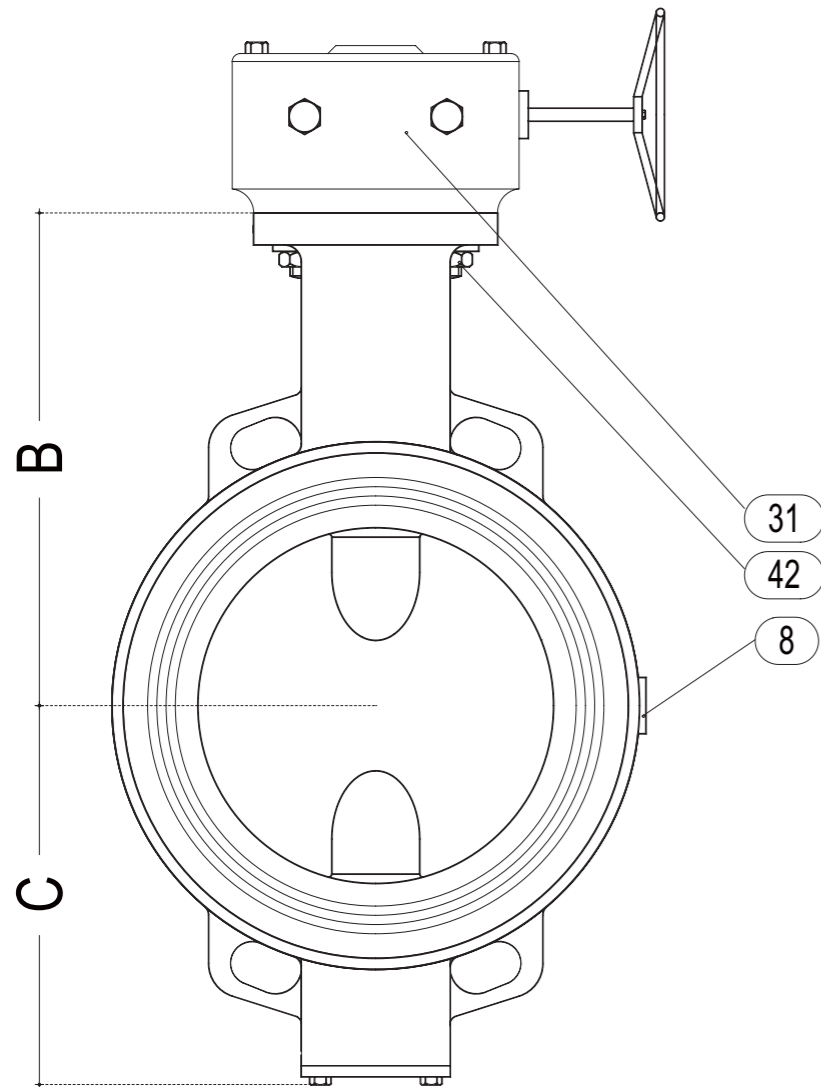
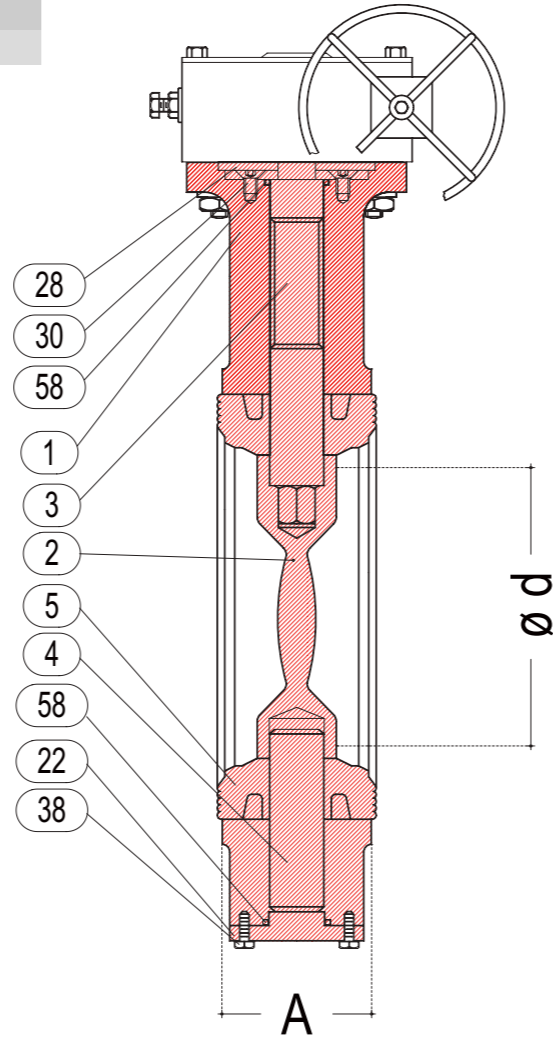
DIMENSIONS CLASS 300

DN	A	B	C	Ø D
50	43	164	93	62
65	46	181	99	75
80	48	208	120	92
100	54	234	135	114
125	57	274	142	134
150	59	290	175	158
200	73	335	210	214
250	83	370	240	264
300	92	445	285	314
350	117	480	315	354
400	133	510	355	399
450	149	550	385	454
500	159	610	420	494
600	181	690	490	584



Model GS32W

BUTTERFLY VALVES



DETAILS	
1	BODY
2	DISC
3	STEM-UPPER
4	STEM-LOWER
5	SEAT
8	NAME PLATE
22	BOTTOM CAP
28	RETAINER PLATE
30	SOCH.HD.CTSK.SCREW
31	GEAR BOX
38	HEX.SCREW
42	HEX.SCREW/SPR.WSHR
58	O-RING

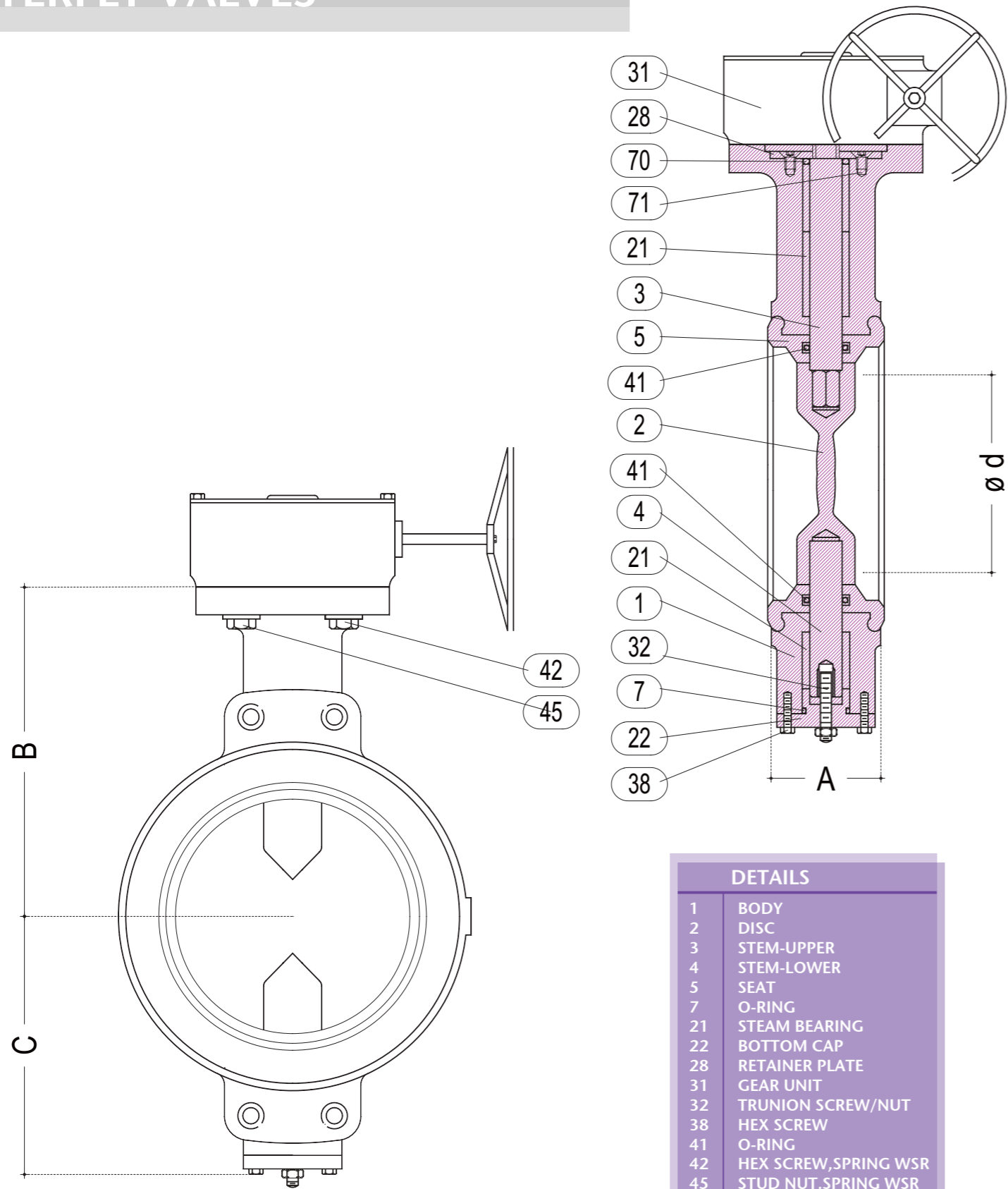
TEST PRESSURE IN BAR	
PRESSURE RATING	PN16
HYD SHELL	24
SEAT	17,6
AIR SEAT	6,9

	WEIGHT KG	
	WAFFER	LUGGED
4,00	5,50	
4,50	6,50	
5,00	8,50	
5,50	9,00	
7,00	13,00	
8,00	17,00	
9,00	19,00	
28,00	43,00	
34,00	56,00	
51,00	92,00	

DIMENSIONS				
DN	A	B	C	ø d
32/40	33	95	65	13
50	43	115	75	33,5
65	46	117	85	47
80	46	135	90	66
100	52	153	118	91,5
125	56	172	135	118
150	56	185	148	146
200	60	221	175	199
250	68	250	210	247
300	78	277	250	297

Model GS32W

BUTTERFLY VALVES



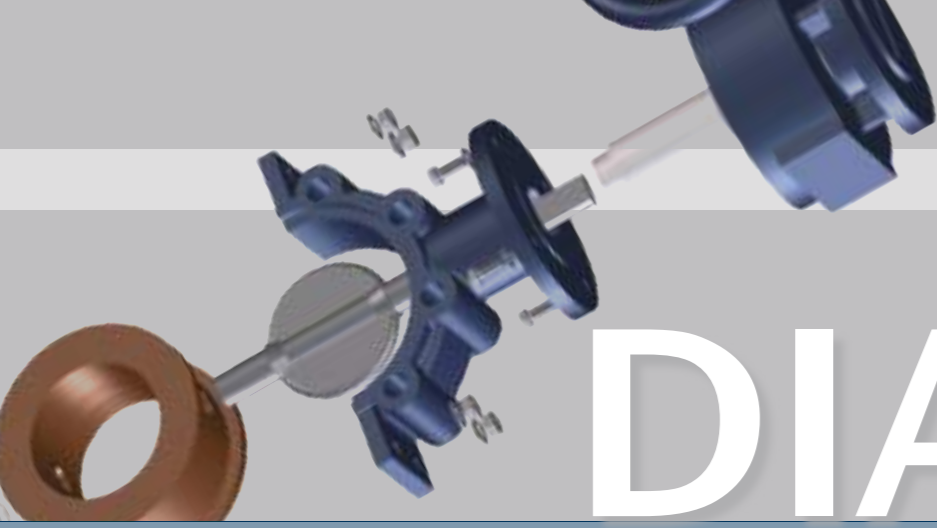
DETAILS	
1	BODY
2	DISC
3	STEM-UPPER
4	STEM-LOWER
5	SEAT
7	O-RING
21	STEAM BEARING
22	BOTTOM CAP
28	RETAINER PLATE
31	GEAR UNIT
32	TRUNION SCREW/NUT
38	HEX SCREW
41	O-RING
42	HEX SCREW, SPRING WSR
45	STUD NUT, SPRING WSR
70	WEATHER SEAL
71	HEX. SOCKET CSK SCREW



TEST PRESSURE IN BAR	
PRESSURE RATING	PN16
HYD SHELL	15
SEAT	11
AIR SEAT	6,9

WEIGHT KG	
WAFER	LUGGED
65,00	100,00
86,00	140,00
110,00	190,00
140,00	230,00
220,00	310,00

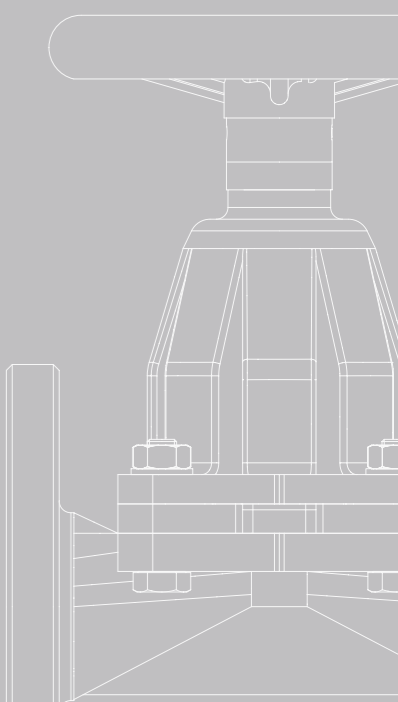
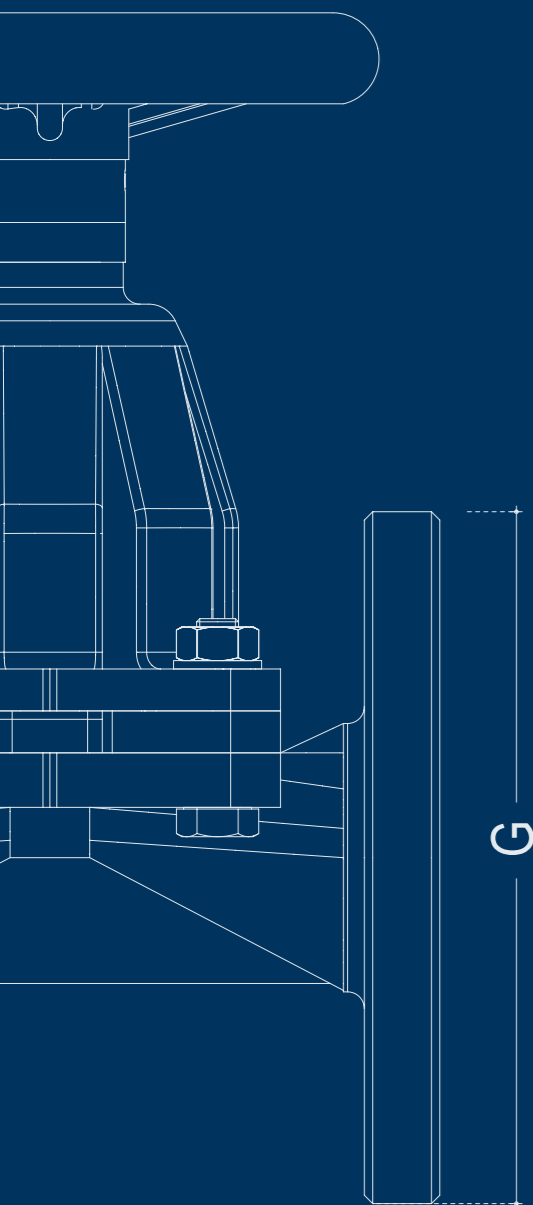
DIMENSIONS				
DN	A	B	C	Ø d
350	92	320	297	325
400	102	360	327	370
450	114	390	355	420
500	127	420	385	465
600	154	490	475	560

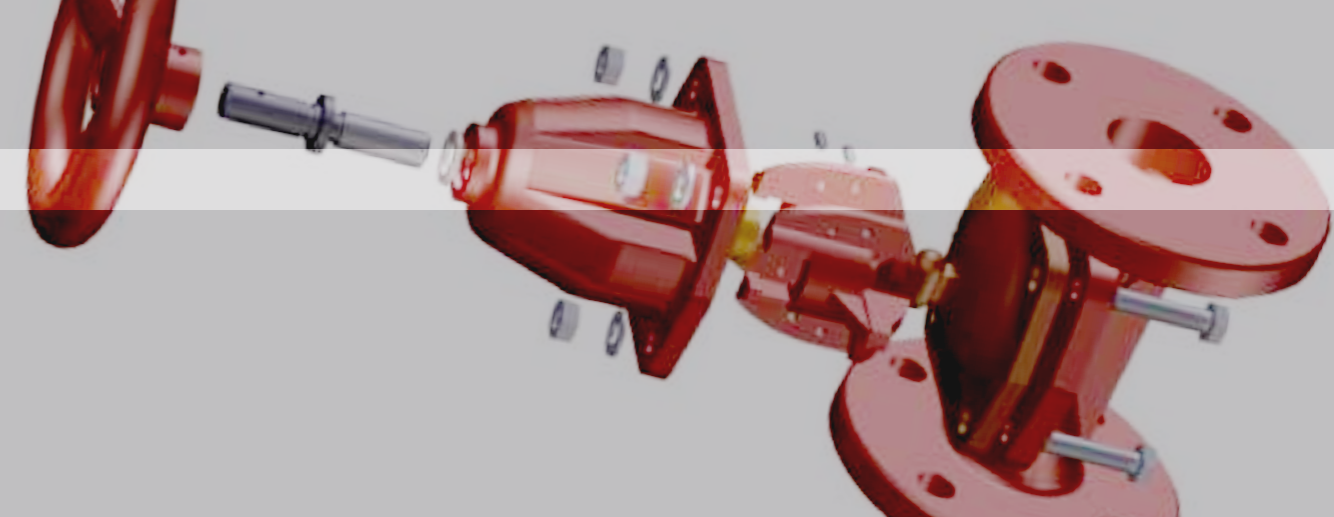


DIAPHRAGM VALVES

DIAPHRAGM VALVES 80

Mod.	GS51 HW	pag.	84
Mod.	GS51 REG	pag.	86
Mod.	GS51 FB REG	pag.	88
Mod.	GS51DIN HW	pag.	90
Mod.	GS51DIN REG	pag.	92
Mod.	GS51DIN FB REG	pag.	94
Mod.	GS51SW REG	pag.	96
Mod.	GS52 HW	pag.	98
Mod.	GS52A HW	pag.	100
Mod.	GS52A REG	pag.	102
Mod.	GS52ADIN REG	pag.	104
Mod.	GS52A FB REG	pag.	106
Mod.	GS52A FB DIN REG	pag.	108
Mod.	GS53 HW	pag.	110
Mod.	GS54 HW	pag.	112
Mod.	GS54 REG	pag.	114
Mod.	GS54DIN REG	pag.	116
Mod.	GS54 FB REG	pag.	118
Mod.	GS54 FB DIN REG	pag.	120
Mod.	GS55 HW	pag.	122
Mod.	GS55 REG	pag.	124
Mod.	GS55 FB REG	pag.	126
Mod.	GS56 HW	pag.	128
Mod.	GS56 FB DE REG	pag.	130
Mod.	GS56 FB DE DIN REG	pag.	132
Mod.	GS56 FB DE DIN REG	pag.	134



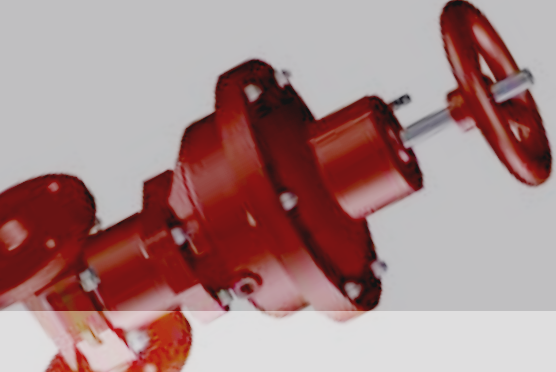


THE ANSWER TO PROBLEMS OF: CORROSION, ABRASION, CLOGGING, CONTAMINATION, VACUUM & GAS HANDLING

G&O Diaphragm valve do not incorporate any stuffing box and are leaktight on all liquids, slurries, granular materials, powders, pastes, gases, acids etc..

Diaphragm (internal membrane) is supported during opening and closing, and is easily replaceable without any special tools. The wide range of available elastomer materials enable an appropriate selection for each application and is a guarantee of perfect resistance to corrosion and abrasion.

Sanitary type valves are recommended for ultimate sterility in pharmaceuticals and biotechnology industries. Using perfectly contoured self-draining stainless steel bodies and PTFE faced diaphragms, resulting in valves totally free of bacteria traps



PRODUCT FEATURES

- Weir type, conveyed flow way - Full bore type, straight through way
- Sanitary type
- Flanged valves sized from 1/2" through 14"
- Sanitary type (butt-weld, screwed, tri-clamp, socket) sized from 1/2" through 4"
- manual, pneumatic and electric operators

PERFORMANCE FEATURES

- Long diaphragm life: no metallic inserts to strain the elastomers
- Low pressure loss
- Diaphragm supported during opening and closing: hence the possibility of under vacuum operation
- Quick and easy replacement of diaphragm
- Epoxy painted, valve bodies protected with an anti-acid varnish

BODY VALVE MATERIALS

- cast iron gg20 or gg 25 (uni iso 185/uni 5007) as per astm a126
- ductile or spheroidal cast iron gs400/12 (uni iso 1083/uni4544) as per astm a536
- cast steel wcb (a216m-93) as per astm a216 wcb
- carbon steel lcb as per astm a352
- stainless steel 316 (a743m-98) as per cf8m
- pure aluminium - PVDF, PPH

BODY VALVE LINING MATERIALS

- Soft rubber
- Butyl rubber
- Hard rubber (ebonite)
- ECTFE/HALAR
- PFA
- ETFE
- Galvanized (laid in an hot zinc bath)

BODY EXTERNAL & INTERNAL SURFACE

- (for sanitary type only)
- Satin or Vacublast finished for external
 - Vacublast, Satin, Mirror or Supermirror finished for internal

MATERIAL DIAPHRAGM

- | | |
|------------------------|----------------------------|
| - Natural rubber | - Nitrile |
| - White natural rubber | - Hypalon |
| - Neoprene | - Silicone |
| - EPDM | - Neoprene/Silicon (mixed) |
| - Viton | - PTFE faced |
| - Butyl | |

DESIGN/DIMENSIONS APPLICABLE STANDARD

- BS 5156
- DIN 3202 F1

END CONNECTIONS APPLICABLE STANDARD

- ANSI/ASME B16.5 Flanged Valves
- ANSI/ASME B16.1 Flanged Fittings
- ANSI/ASME B1.20.1 (NPT) Pipe Threads
- ANSI/ASME B16.34 Steel Valves
- ANSI/ASME B16.11 Socketweld Fittings
- MSS SP-88 Diaphragm Valves
- ANSI/ASME B16.25 Butt-weld Ends

CERTIFICATES AVAILABLE

- EN 10204 3.1.B
- EN 10204 2.2

INSPECTION TESTS AVAILABLE BY

- SGS GLOBAL TRADE SOLUTIONS
- ITS INTERTEK TESTING SERVICES
- BV BUREAU VERITAS

MAIOR MARKETS SERVED

- | | | |
|--------------------|----------------|-------------------|
| - Chemical process | - Mining | - Pharmaceutical |
| - Power generation | - Pulp & Paper | - Food & Beverage |
| - Water treatment | - Nuclear | - Bioprocess |

OPTIONS

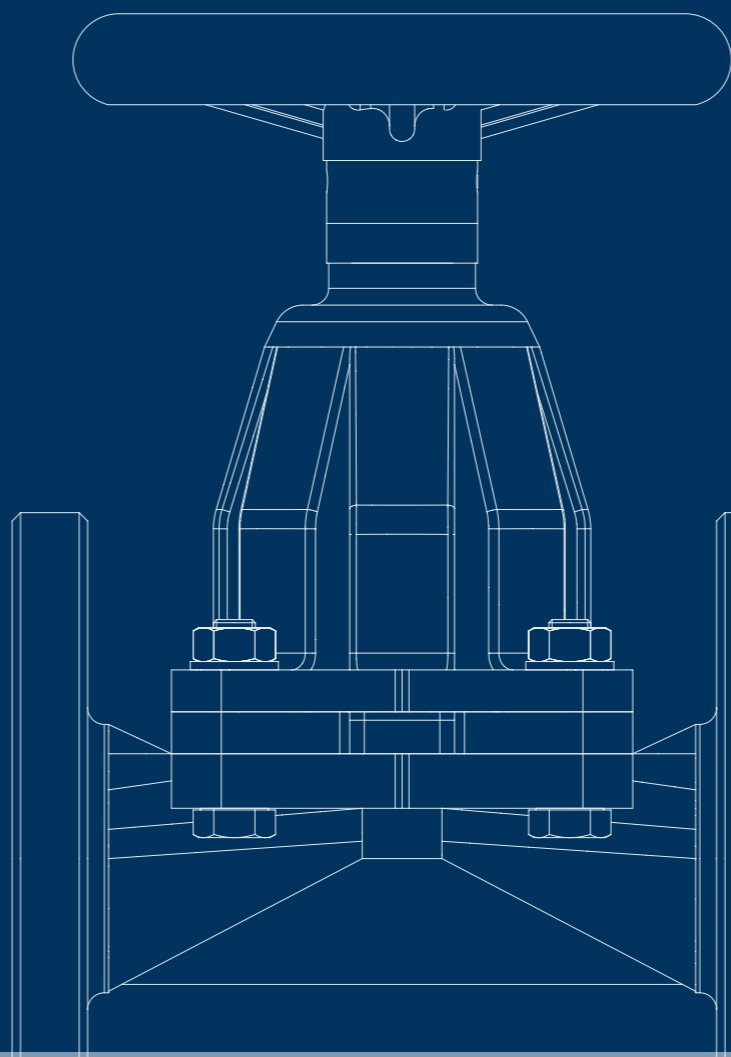
- Limit switches
- Solenoid valve
- Position Indicator
- Air filter regulator
- 3:1:5 PSI positioner
- 4:20mA electropneumatic positioner or 4:20mA electronic transmitter of position 30°-90° angle
- Mono/Triphase AC motor (240V/50Hz through 400V/50Hz)

G&O SERIES PNEUMATIC ACTUATORS

Piston type air operators line offer a great solution to a wide range of actuation situations. They are exclusively designed to G&O series butterfly valves and can be mounted in any position. These actuators are built in aluminium and are available in three options:

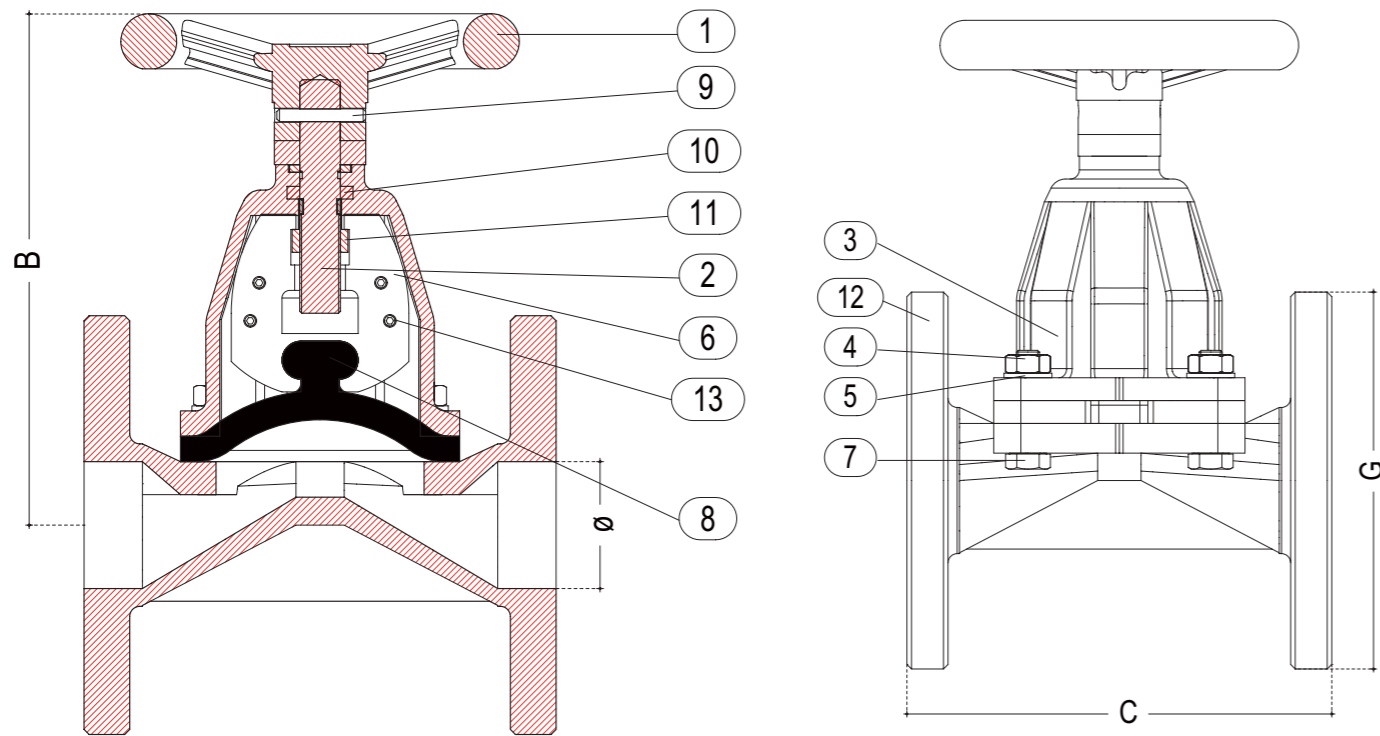
- single effect acting - fail to close (air to open)
- single effect acting - fail to open (air to close)
- double effect acting - fail to open & fail to close

Single effect acting actuators are fitted by an extractable handwheel for security.



Model GS51 HW

DIAPHRAGM VALVES



DETAILS	
1	CONTROL WHEEL
2	LEAD SCREW
3	COVER
4	HEXAGON NUT
5	WASHER
6	PLUG
7	STUD BOLT
8	DIAPHRAGM
9	SOCKET
10	GASKET
11	BRONZE NUT
12	VALVE BODY
13	CLAMPING SCREW FOR BUSHING

PRESSURE DETAILS UNI_1284					
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²	
		OPEN	CLOSE		
15	14	15	14	13	
20	14	15	14	13	
25	14	15	14	13	
30	13	15	13	12	
40	12,5	15	12,5	11,5	
50	12,5	15	12,5	11,5	
60	11	15	11	10	
75	10,5	15	10,5	9,5	
100	10,5	15	10,5	9,5	
125	9	13	9	8	
150	8,7	13	8,7	7,7	
200	7	13	7	6	
250	6	8	6	6	
300	6	8	6	6	

NOTE: For different pressure details please ask the DPT

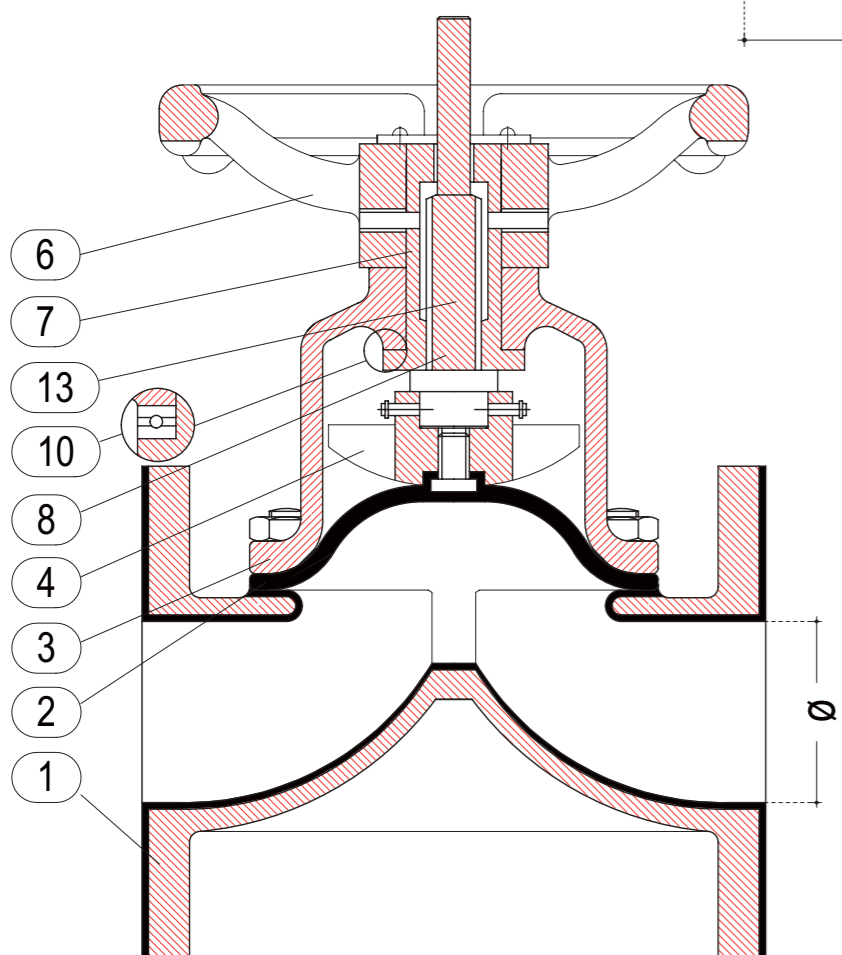
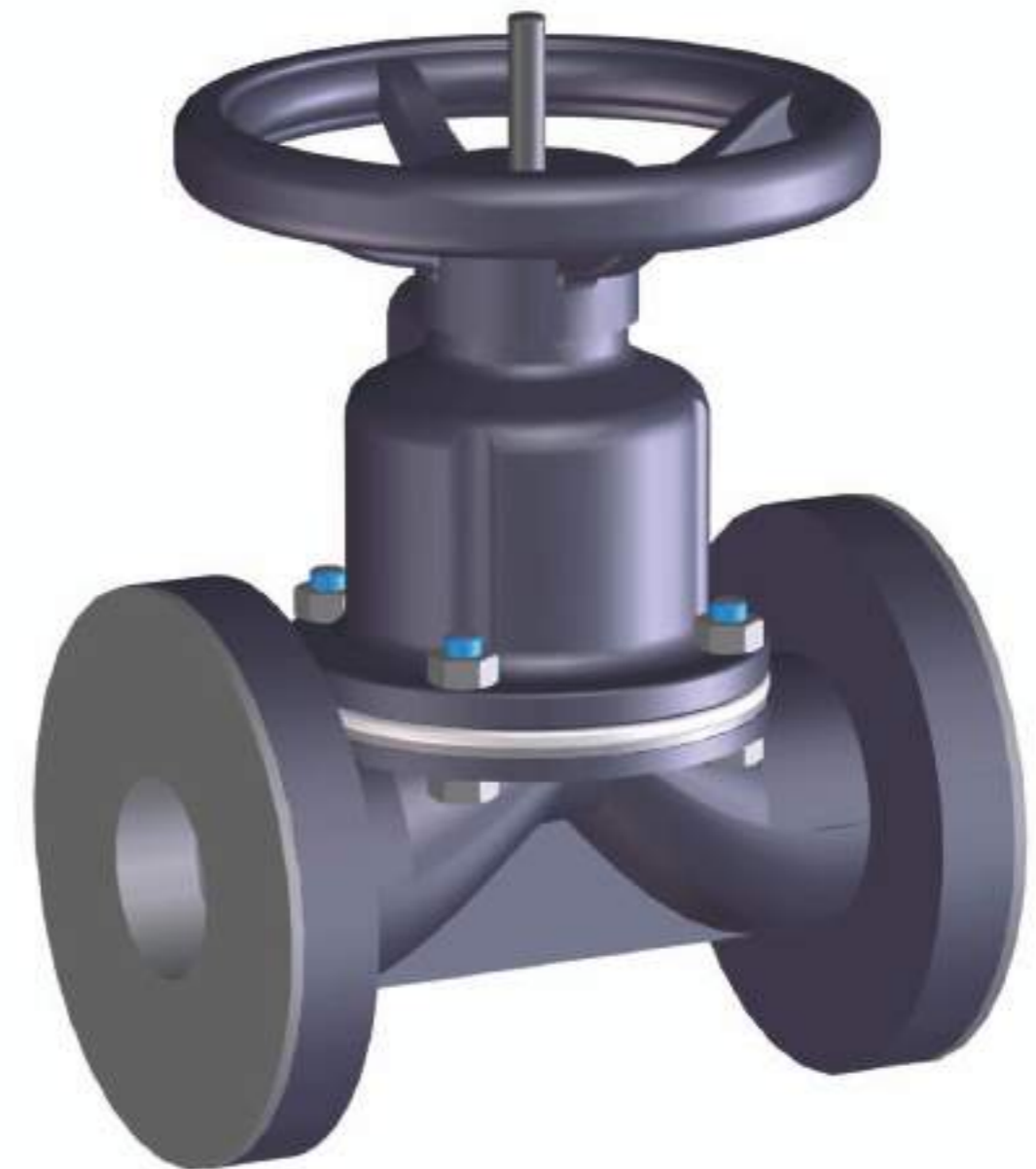
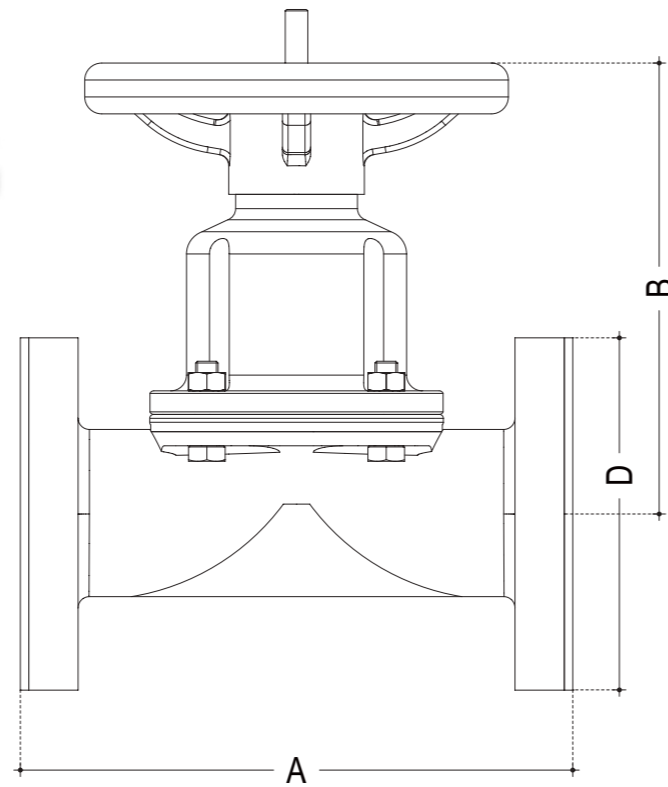
WEIGHT KG		
C.I.	C.I.	
	unlined	ebonite lined
2,300	2,400	
3,800	3,900	
4,000	4,100	
6,600	6,700	
8,000	8,300	
12,000	12,400	
17,000	17,600	
23,000	24,000	
36,500	98,000	
56,000	55,700	
76,500	76,200	
144,000	142,000	
225,000	226,000	
330,000	350,000	

DIMENSIONS C.I. UNLINED					
Ø	B	C	G (UNI)	G (ASA)	
15	87,5	108	95	90	
20	112,5	117	105	98	
25	117,5	127	115	108	
30	135	146	140	118	
40	170	159	150	127	
50	187,5	190	165	152	
60	232,5	217	185	178	
75	260	254	200	190	
100	315	305	220	229	
125	400	356	250	254	
150	442,5	406	285	280	
200	585	520	340	343	
250	655	635	395	406	
300	718	749	445	483	

DIMENSIONS C.I. EBONITE LINED					
Ø	B	C	G (UNI)	G (ASA)	
15	92,5	114	95	90	
20	117,5	123	105	98	
25	122,5	133	115	108	
30	140	152	140	118	
40	175	165	150	127	
50	192,5	196	165	152	
60	237,5	227	185	178	
75	265	260	200	190	
100	320	313	220	229	
125	405	364	250	254	
150	447,5	414	285	280	
200	590	530	340	343	
250	660	645	395	406	
300	723	759	445	483	

Model GS51 REG

DIAPHRAGM VALVES



DETAILS	
1	BODY
2	DIAPHRAGM
3	BONNET
4	COMPRESSOR
6	HANDWHEEL
7	STEM BUSHING
8	STEM
10	THRUST BEARING
13	LUBRICATION FITTING

WEIGHT KG		
C.I.	C.I.	
unlined	ebonite lined	
2,400	2,400	
2,800	2,800	
4,200	4,200	
4,500	4,500	
5,500	5,500	
10,000	10,000	
15,000	15,000	
25,000	25,000	
32,000	32,000	
55,000	55,000	
85,000	85,000	
144,000	144,000	
188,000	188,000	
330,000	330,000	

DIMENSIONS C.I. UNLINED				
Ø	A	B	D	
15	108	89	95	
20	117	97	105	
25	127	111	115	
30	146	112	133	
40	159	150	150	
50	190	157	165	
60	216	177	185	
75	254	230	200	
100	305	252	229	
125	356	302	254	
150	406	364	285	
200	521	475	343	
250	635	580	406	
300	749	684	483	
350	749	825	533	

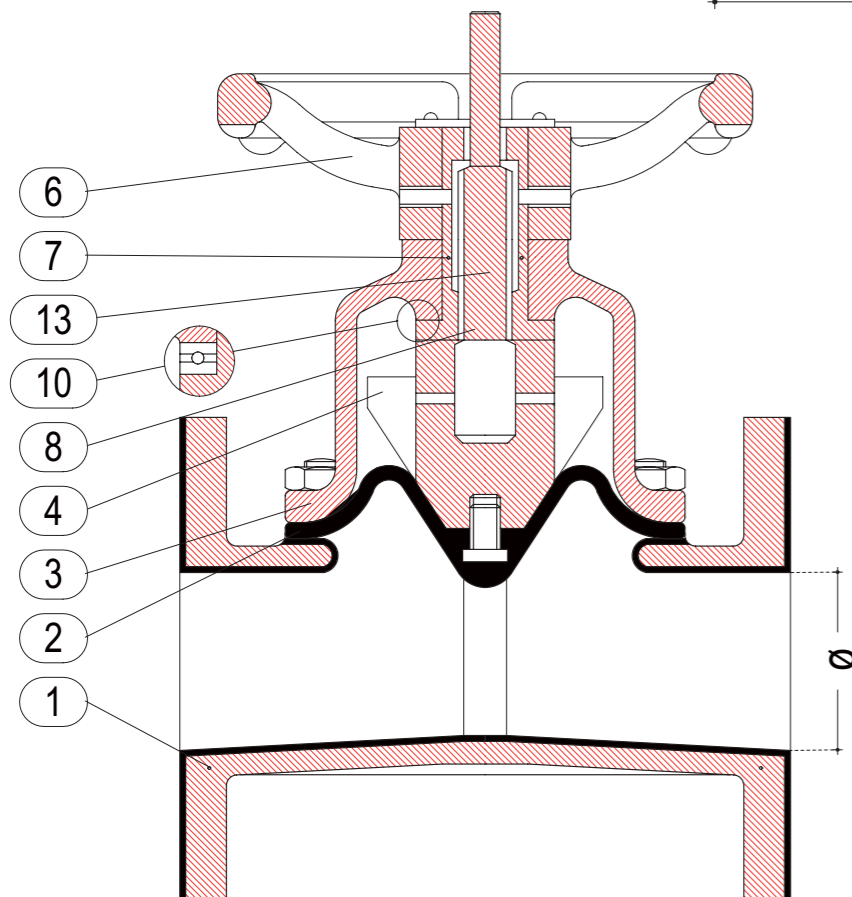
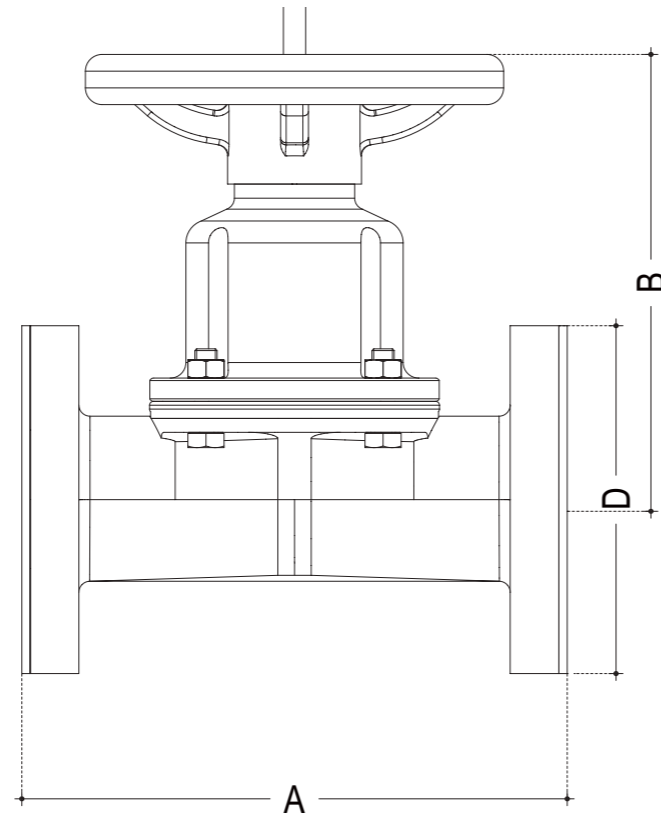
DIMENSIONS C.I. EBONITE LINED				
Ø	A	B	D	
15	114	92	95	
20	123	100	105	
25	133	114	115	
30	152	115	133	
40	165	153	150	
50	196	160	165	
60	222	180	185	
75	260	233	200	
100	313	256	229	
125	364	306	254	
150	414	368	285	
200	529	479	343	
250	645	585	406	
300	759	689	483	
350	759	830	533	

TEST PRESSURE IN BAR				
PRESSURE RATING	PN16	PN10	PN7	PN5
HYD SHELL	24	15	10,5	9
SEAT	16	10	7	6
AIR SEAT	5,0	5,0	5,0	5,0

* pressure rating: for size 15 to 50 mm 16 bar, for size 65 to 150 mm 10 bar, for size 200mm 7 bar

Model GS51FB REG

DIAPHRAGM VALVES



DETAILS	
1	BODY
2	DIAPHRAGM
3	BONNET
4	COMPRESSOR
6	HANDWHEEL
7	STEM BUSHING
8	STEM
10	THRUST BEARING
13	LUBRICATION FITTING

TEST PRESSURE IN BAR			
PRESSURE RATING	PN10	PN7	PN5
HYD SHELL	15	10,5	6
SEAT	10	7	5
AIR SEAT	5,0	5,0	5,0

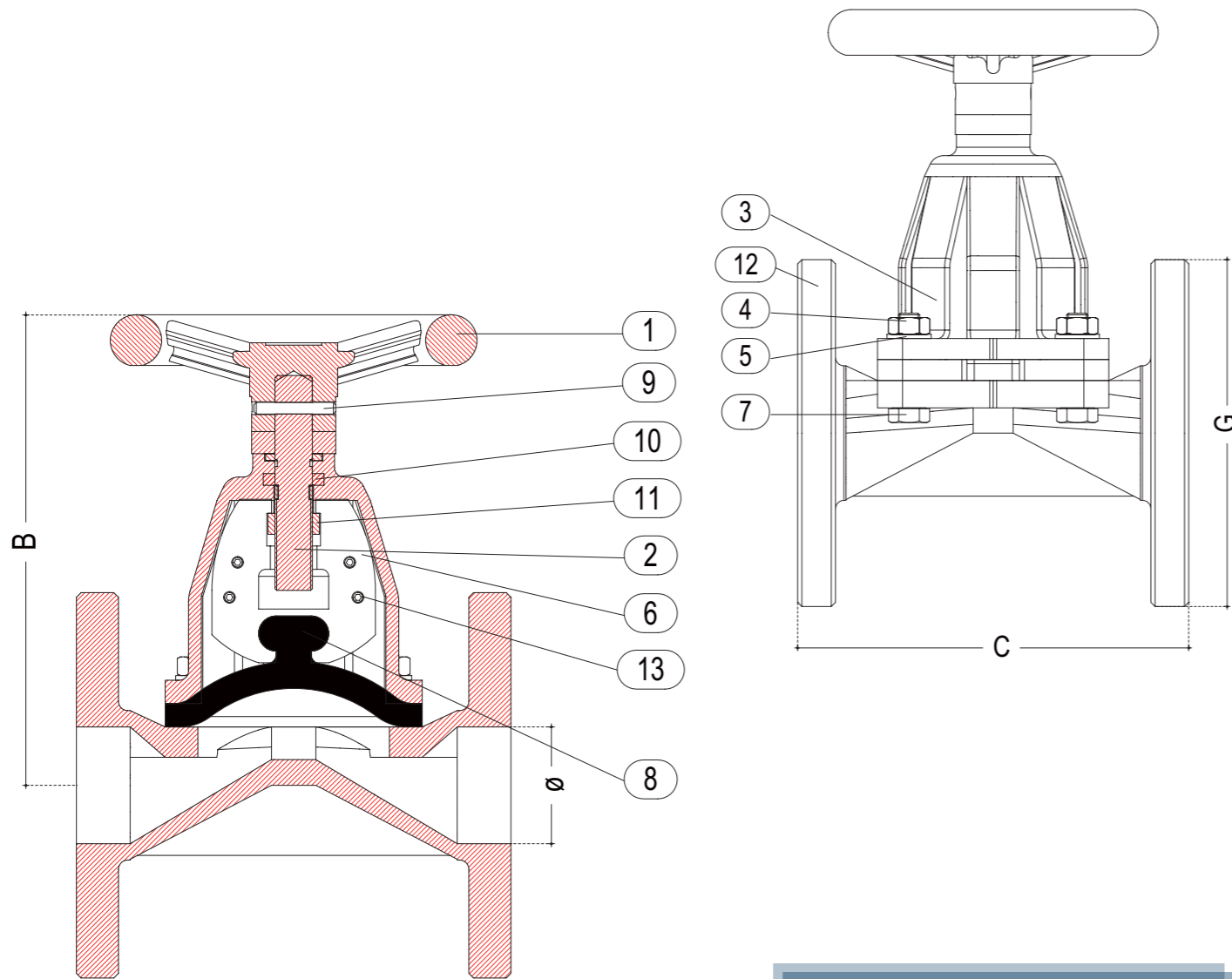
DIMENSIONS C.I. UNLINED			
Ø	A	B	D
15	108	87	95
20	117	87	105
25	127	109	115
30	146	109	133
40	159	109	150
50	190	143	165
65	216	174	185
80	254	202	200
100	305	240	229
125	356	268	254
150	406	429	285
200	521	416	343
250	635	540	406
300	749	635	483

DIMENSIONS C.I. EBONITE LINED			
Ø	A	B	D
15	114	90	95
20	123	90	105
25	133	112	115
30	152	112	140
40	165	112	150
50	196	146	165
65	222	177	185
80	260	205	200
100	313	244	229
125	364	272	254
150	414	433	285
200	529	420	343
250	645	545	406
300	759	640	483

* pressure rating: for size 15 to 100 mm 10 bar, for size 125 7 bar, for size 150mm to 300 mm 5 bar

Model GS51DIN HW

DIAPHRAGM VALVES



DETAILS	
1	CONTROL WHEEL
2	LEAD SCREW
3	COVER
4	HEXAGON NUT
5	WASHER
6	PLUG
7	STUD BOLT
8	DIAPHRAGM
9	SOCKET
10	GASKET
11	BRONZE NUT
12	VALVE BODY
13	CLAMPING SCREW FOR BUSHING

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
15	14	15	14	13
20	14	15	14	13
25	14	15	13	12
30	13	15	13	12
40	12,5	15	12,5	11,5
50	12,5	15	12,5	11,5
60	11	15	11	10
75	10,5	15	10,5	9,5
100	10,5	15	10,5	9,5
125	9	13	9	8
150	8,7	13	8,7	7,7
200	7	13	7	6
250	6	8	6	6
300	6	8	6	6

WEIGHT KG	
C.I. unlined	C.I. ebonite lined
2,100	2,300
4,000	4,300
4,500	4,800
7,500	8,000
8,500	8,500
12,200	13,000
18,000	19,500
26,000	28,000
39,000	41,000
57,000	60,000
75,000	89,000
155,000	164,000
242,000	250,000
340,000	350,000

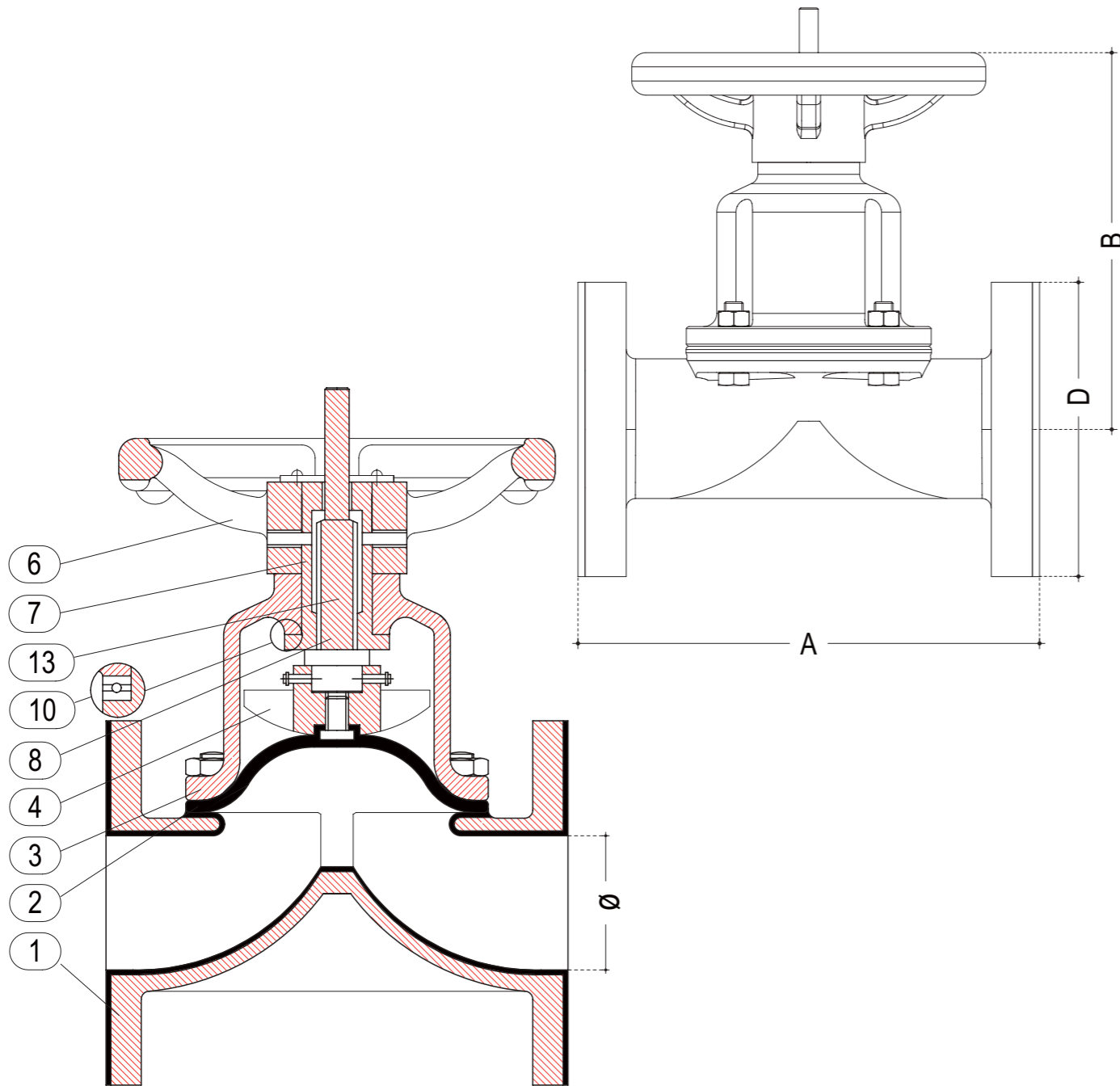
DIMENSIONS C.I. UNLINED				
Ø	B	C	G (UNI)	G (ASA)
15	87,5	130	95	90
20	112,5	150	105	98
25	117,5	160	115	108
30	135	180	140	118
40	170	200	150	127
50	187,5	230	165	152
60	232,5	280	185	178
75	260	310	200	190
100	315	350	220	229
125	400	400	250	254
150	442,5	480	285	280
200	585	590	340	343
250	655	730	395	406
300	718	850	445	483

DIMENSIONS C.I. EBONITE LINED				
Ø	B	C	G (UNI)	G (ASA)
15	92,5	130	95	90
20	117,5	150	105	98
25	122,5	160	115	108
30	140	180	140	118
40	175	200	150	127
50	192,5	230	165	152
60	237,5	290	185	178
75	265	310	200	190
100	320	350	220	229
125	405	400	250	254
150	447,5	480	285	280
200	590	600	340	343
250	660	730	395	406
300	723	850	445	483

NOTE: For different pressure details please ask the DPT

Model GS51DIN REG

DIAPHRAGM VALVE



- 6
- 7
- 13
- 10
- 8
- 4
- 3
- 2
- 1

DETAILS	
1	BODY
2	DIAPHRAGM
3	BONNET
4	COMPRESSOR
6	HANDWHEEL
7	STEM BUSHING
8	STEM
10	THRUST BEARING
13	LUBRICATION FITTING

TEST PRESSURE IN BAR				
PRESSURE RATING	PN16	PN10	PN7	PN5
HYD SHELL	24	15	10,5	9
SEAT	16	10	7	6
AIR SEAT	5,0	5,0	5,0	5,0

* pressure rating: for size 15 to 50 mm 16 bar, for size 65 to 150 mmm 10 bar, for size 200mm 7 bar



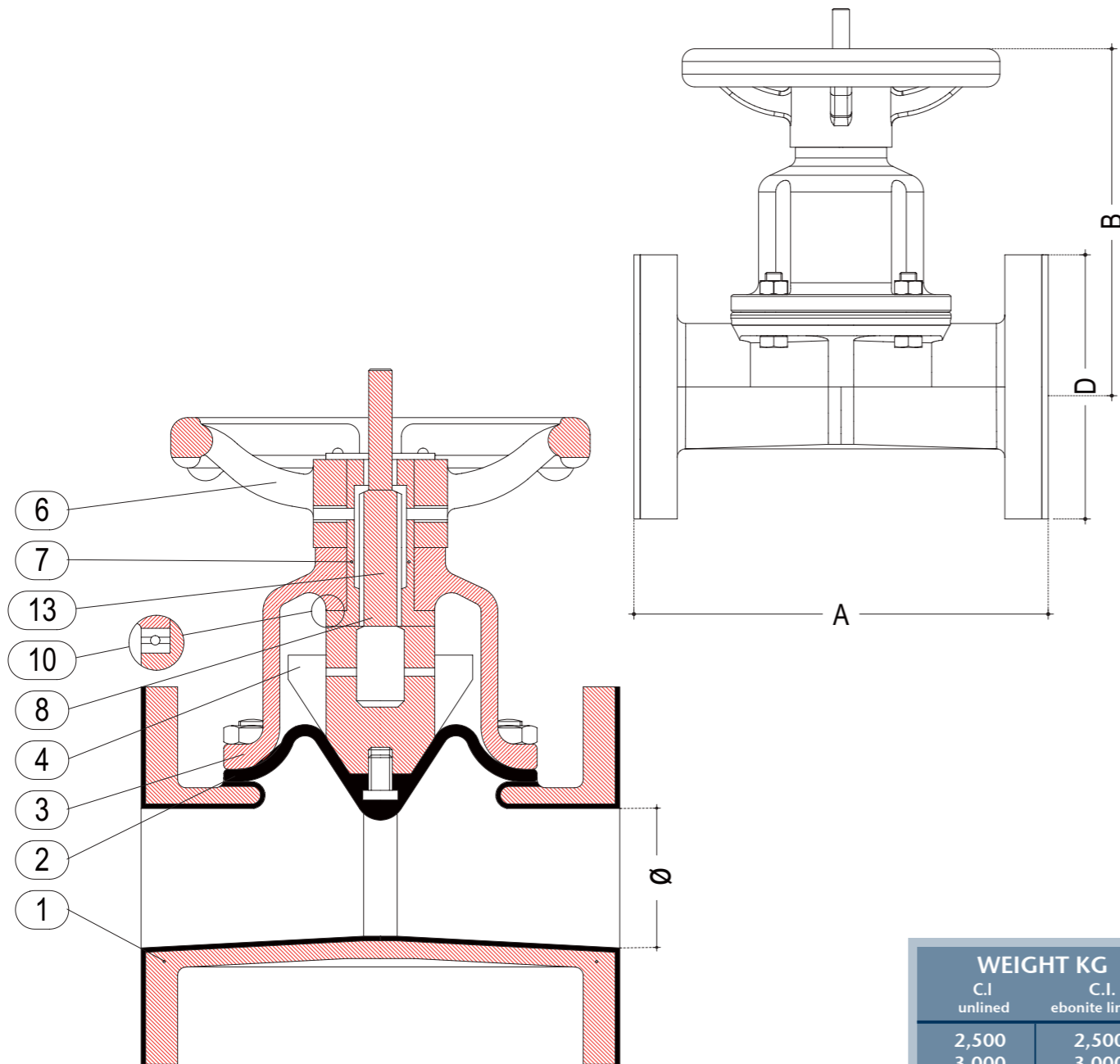
WEIGHT KG		
C.I.	C.I.	
unlined	ebonite lined	
2,800	2,800	
3,200	3,200	
4,200	4,200	
5,500	5,500	
8,000	8,000	
15,000	15,000	
19,000	19,000	
26,000	26,000	
42,000	42,000	
68,000	68,000	
106,000	106,000	
185,000	185,000	
275,000	275,000	
480,000	480,000	
550,000	550,000	

DIMENSIONS C.I. UNLINED			
Ø	A	B	D
15	130	92	95
20	150	100	105
25	160	114	115
30	180	115	140
40	200	153	150
50	230	160	165
60	290	180	185
75	310	233	200
100	350	256	230
125	400	306	254
150	480	368	285
200	600	479	343
250	730	585	406
300	850	689	485
350	980	830	533

DIMENSIONS C.I. EBONITE LINED			
Ø	A	B	D
15	130	92	95
20	150	100	105
25	160	114	115
30	180	115	140
40	200	153	150
50	230	160	165
60	290	180	185
75	310	233	200
100	350	256	230
125	400	306	254
150	480	368	285
200	600	479	343
250	730	585	406
300	850	689	485
350	980	830	533

Model GS51FB DIN REG

DIAPHRAGM VALVES



- 6
- 7
- 13
- 10
- 8
- 4
- 3
- 2
- 1

DETAILS	
1	BODY
2	DIAPHRAGM
3	BONNET
4	COMPRESSOR
6	HANDWHEEL
7	STEM BUSHING
8	STEM
10	THRUST BEARING
13	LUBRICATION FITTING

WEIGHT KG		
	C.I. unlined	C.I. ebonite lined
	2,500	2,500
	3,000	3,000
	4,500	4,500
	5,500	5,500
	6,000	6,000
	10,500	10,500
	15,500	15,500
	26,000	26,000
	33,000	33,000
	57,000	57,000
	87,000	87,000
	146,000	146,000
	192,000	192,000
	335,000	335,000



TEST PRESSURE IN BAR			
PRESSURE RATING	PN10	PN7	PN5
HYD SHELL	15	10,5	6
SEAT	10	7	5
AIR SEAT	5,0	5,0	5,0

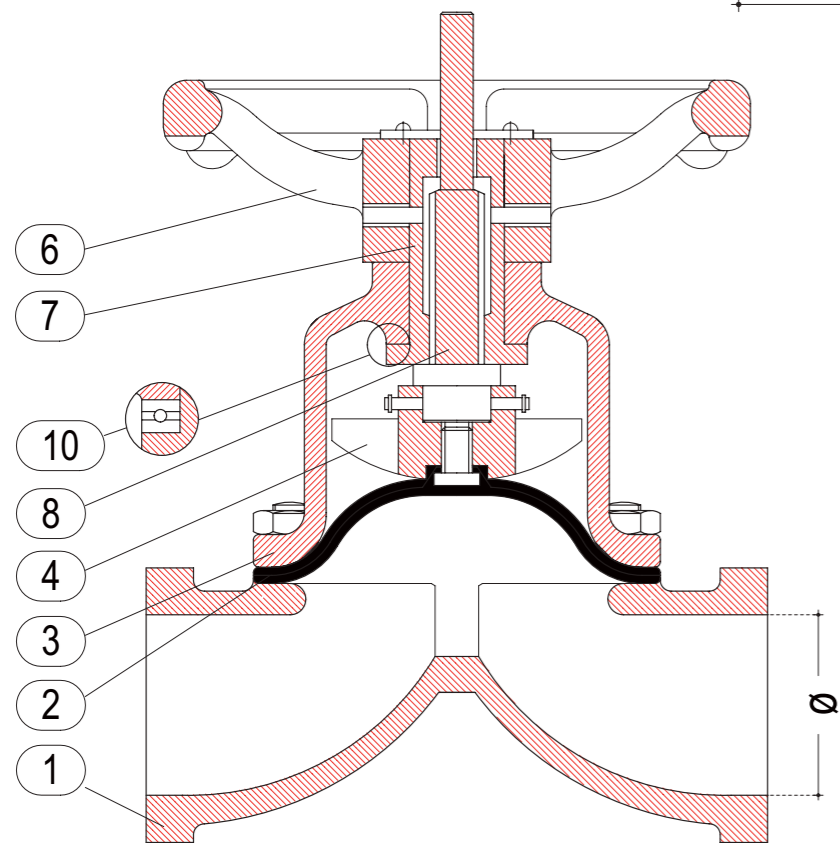
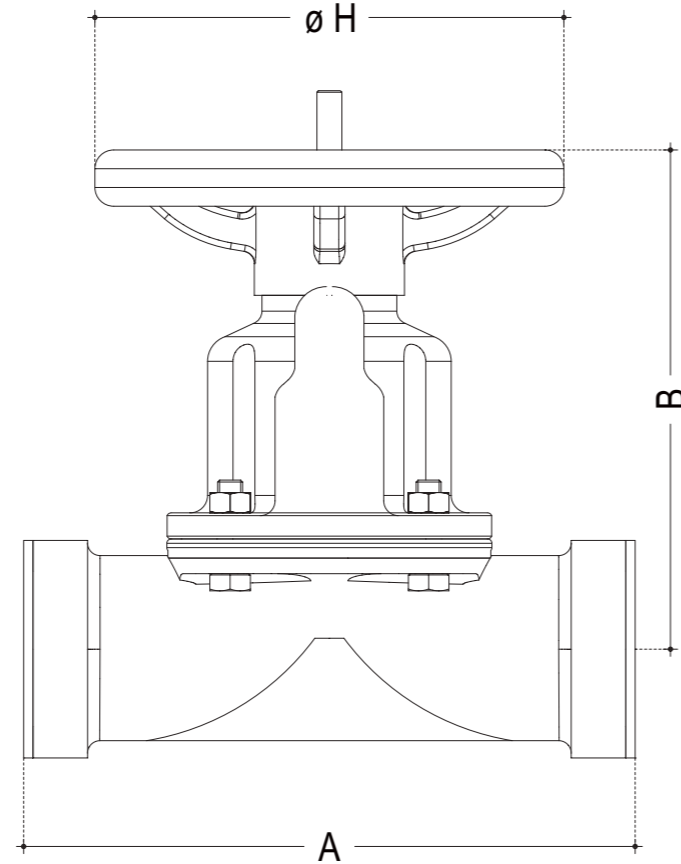
DIMENSIONS C.I. UNLINED			
Ø	A	B	D
15	130	90	95
20	150	90	105
25	160	112	115
30	180	112	140
40	200	112	150
50	230	146	165
60	290	177	185
75	310	205	200
100	350	244	230
125	400	272	254
150	480	433	285
200	600	420	343
250	730	545	406
300	850	640	483

DIMENSIONS C.I. EBONITE LINED			
Ø	A	B	D
15	130	90	95
20	150	90	105
25	160	112	115
30	180	112	140
40	200	112	150
50	230	146	165
60	290	177	185
75	310	205	200
100	350	244	230
125	400	272	254
150	480	433	285
200	600	420	343
250	730	545	406
300	850	640	483

* pressure rating: for size 15 to 100 mm 10 bar, for size 125 7 bar, for size 150mm to 300 mm 5 bar

Model GS51SW REG

DIAPHRAGM VALVES



TEST PRESSURE IN BAR		
PRESSURE RATING	PN10	PN16
HYD SHELL	15	24
SEAT	10	16
AIR SEAT	5,0	5,0



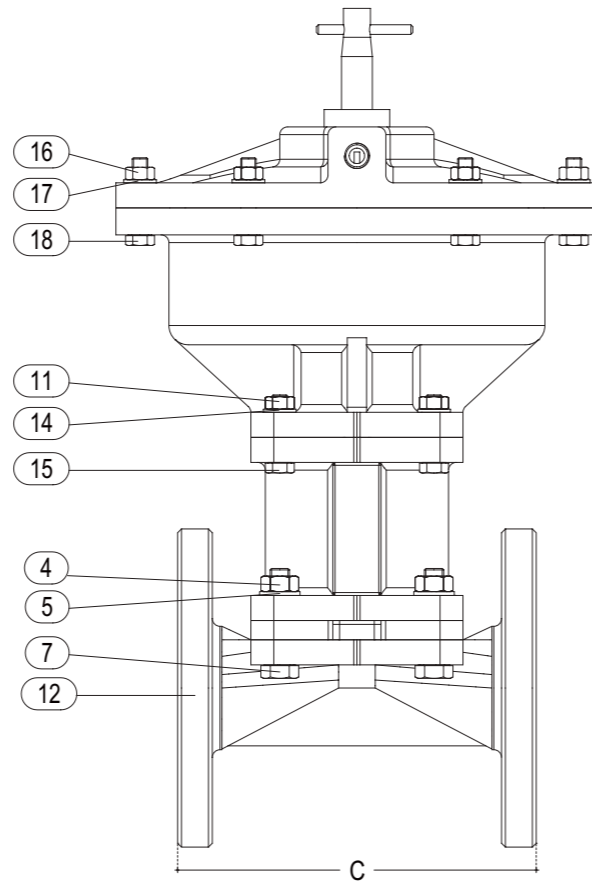
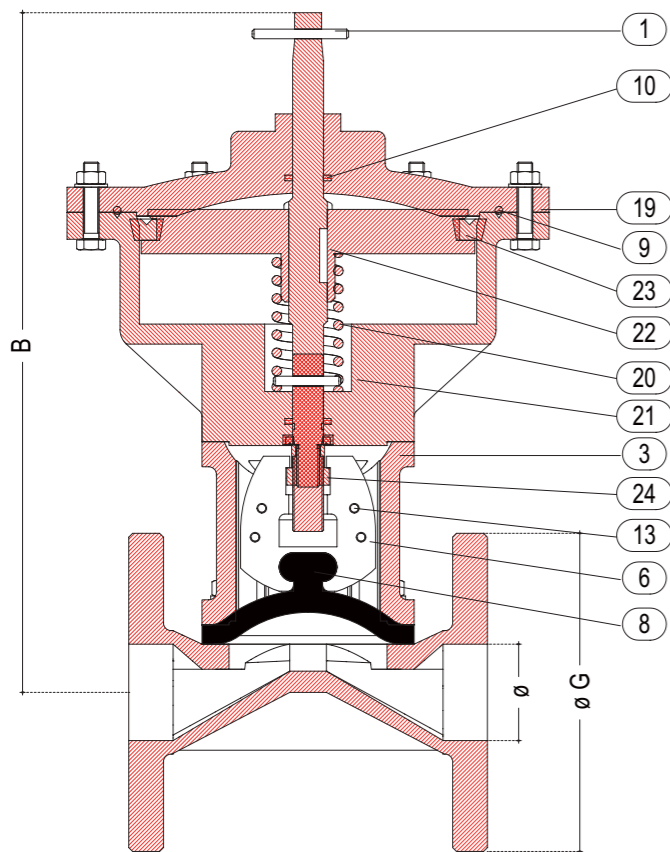
WEIGHT KG	
IRON	ALLOY
0,60	0,60
0,90	0,90
1,50	1,50
2,10	2,10
3,50	3,50
4,90	4,90
6,40	6,40
9,60	9,60
18,00	18,00
	26,00

DIMENSIONS IRON			
DN	A	B	Ø H
6	48	85	70
15	64	85	70
20	83	90	70
25	108	107	100
32	121	115	100
40	140	146	140
50	165	156	140
65	203	173	180
80	254	227	225

DIMENSIONS ALLOY			
Ø	A	B	D
6	108	85	70
15	108	85	70
20	117	90	70
25	127	107	100
32	146	115	100
40	159	146	140
50	190	156	140
65	216	173	180
80	254	227	225
100	305	255	225

Model GS52 HW

DIAPHRAGM VALVES



DETAILS

- 1 SOCKET
- 3 SUPPORT
- 4 HEXAGON NUT
- 5 WASHER
- 6 PLUG
- 7 HEXAGON BOLT, STUD BOLT
- 8 DIAPHRAGM
- 9 GASKET
- 10 "V" GASKET
- 11 HEXAGON NUT
- 12 VALVE BODY
- 13 CLAMPING
- 14 WASHER
- 15 HEXAGON BOLT
- 16 HEXAGON NUT
- 17 WASHER
- 18 HEXAGON BOLT
- 19 COVER
- 20 SPRINGS
- 21 CYLINDER
- 22 PISTON, DRIVE PIN, GUIDE PIN
- 23 "V" GASKET
- 24 BRONZE NUT

PRESSURE DETAILS UNI_1284

DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	5	15	5	4
25	5	15	5	4
30	5	15	5	4
40	5	15	5	4
50	4,5	15	4,5	3,5
60	4,5	15	4,5	3,5
75	4,5	15	4,5	3,5
100	4,5	15	4,5	3,5
125	4	13	4	3
150	4	13	4	3
200	3	13	3	2
250	3	13	3	2

NOTE: For different pressure details please ask the DPT

WEIGHT KG

C.I.	C.I.	
	unlined	ebonite lined
20	6,400	7,300
25	7,000	7,800
30	9,500	10,000
40	11,500	12,000
50	16,000	17,000
60	23,000	24,000
75	30,000	30,000
100	45,000	46,000
125	65,000	67,000
150	86,000	88,000
200	174,000	176,000
250	240,000	246,000

DIMENSIONS C.I. UNLINED

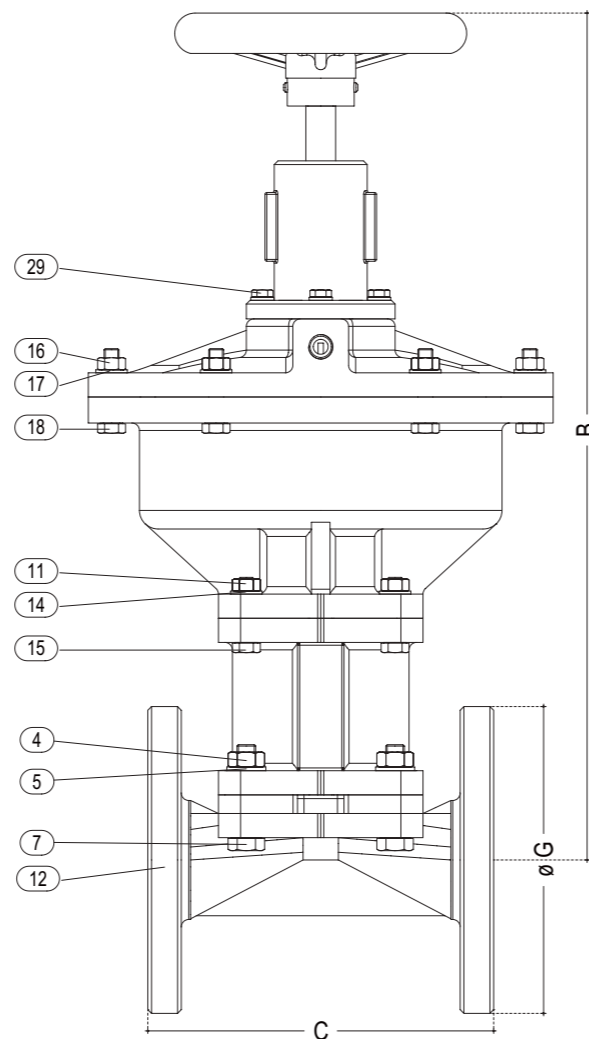
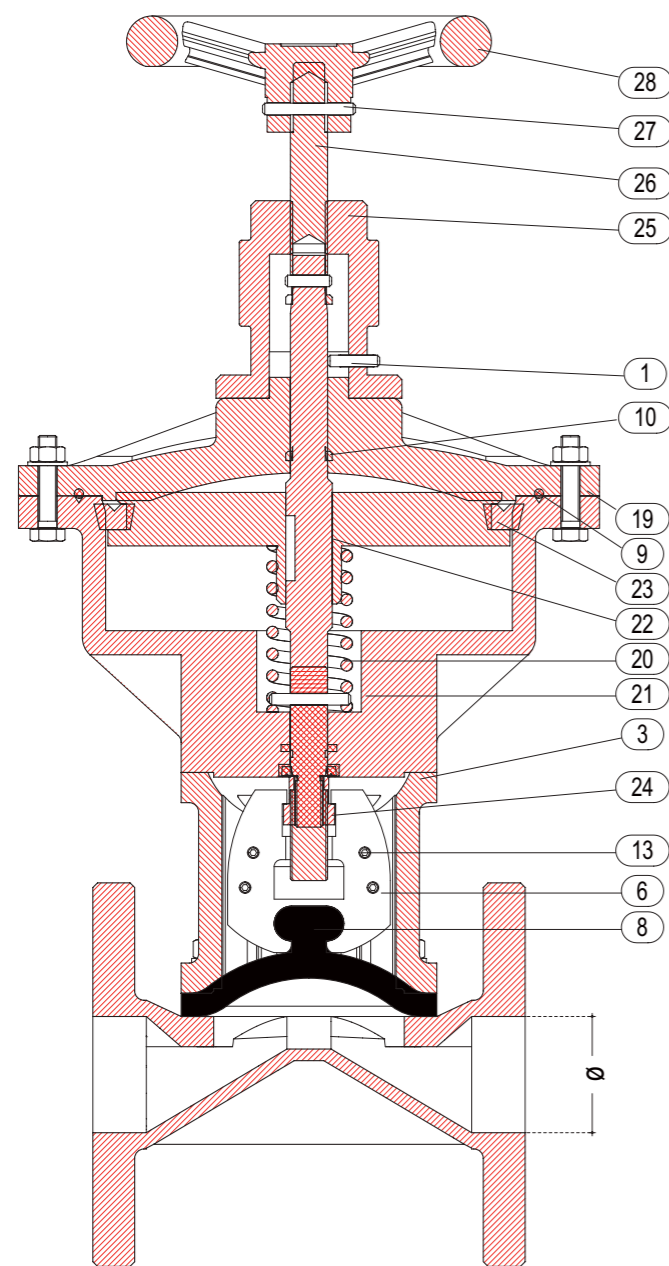
Ø	B	C	G (UNI)	G (ASA)
20	230	117	105	98
25	230	127	115	108
30	280	146	140	118
40	330	159	150	127
50	350	190	165	152
60	410	217	185	178
75	450	254	200	190
100	540	305	220	229
125	665	356	250	254
150	710	406	285	280
200	950	520	340	343
250	1180	635	395	406

DIMENSIONS C.I. EBONITE LINED

Ø	B	C	G (UNI)	G (ASA)
20	230	123	105	98
25	230	133	115	108
30	280	152	140	118
40	330	165	150	127
50	350	196	165	152
60	410	227	185	178
75	450	260	200	190
100	540	313	220	229
125	665	364	250	254
150	710	414	285	280
200	950	530	340	343
250	1180	645	395	406

Model GS52A HW

DIAPHRAGM VALVES



DETAILS	
1	SOCKET
3	SUPPORT
4	HEXAGON NUT
5	WASHER
6	PLUG
7	HEXAGON BOLT, STUD BOLT
8	DIAPHRAGM GASKET
9	GASKET
10	"V" GASKET
11	HEXAGON NUT
12	VALVE BODY
13	CLAMPING
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON BOLT
19	COVER
20	SPRINGS
21	CYLINDER
22	PISTON, DRIVE PIN, GUIDE PIN
23	"V" GASKET
24	BRONZE NUT
25	UPPER COVER
26	LEAD SCREW
27	SOCKET
28	WHEEL
29	HEXAGON BOLT



AIR PRESSURE REQUIRED KG/CM ²												
dn	20	25	30	40	50	60	75	100	125	150	200	250
min.	2	2	2	2	2	3	3	3	3,5	3	2,5	2,5
max.	5	5	5	5	5	5	5	5	5	4	4	4

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	5	15	5	4
25	5	15	5	4
30	5	15	5	4
40	5	15	5	4
50	4,5	15	4,5	3,5
60	4,5	15	4,5	3,5
75	4,5	15	4,5	3,5
100	4,5	15	4,5	3,5
125	4	13	4	3
150	4	13	4	3
200	3	13	3	2
250	3	13	3	2

NOTE: For different pressure details please ask the DPT

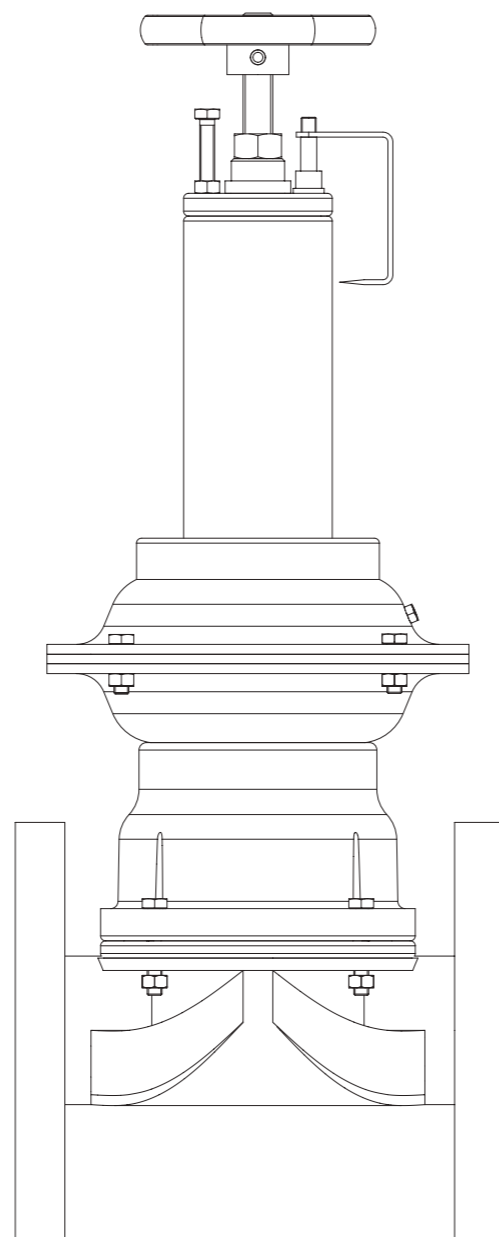
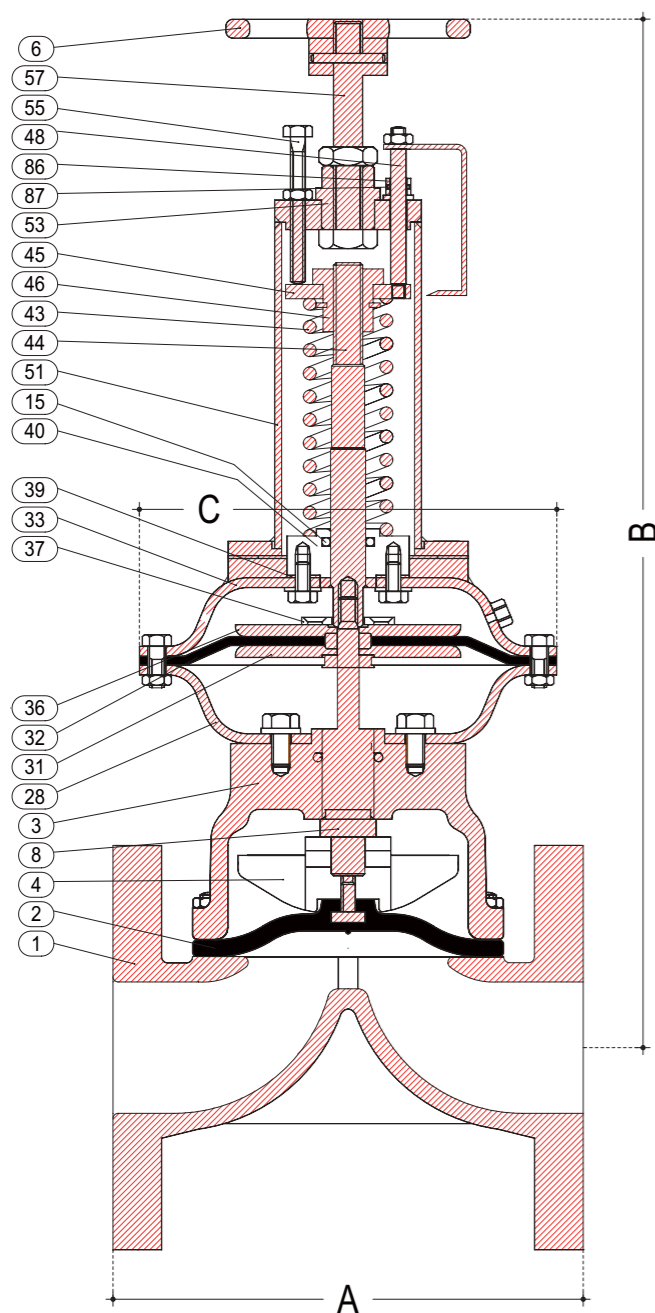
WEIGHT KG		
	C.I. unlined	C.I. ebonite lined
7,600	7,800	
7,800	8,000	
12,000	11,800	
14,000	14,400	
19,700	20,000	
26,000	27,000	
35,000	35,500	
54,000	55,000	
76,500	77,500	
98,000	99,000	
180,000	182,000	
280,000	288,000	

DIMENSIONS C.I. UNLINED					
Ø	B	C	G (UNI)	G (ASA)	
20	311,5	117	105	98	
25	311,5	127	115	108	
30	366	146	140	118	
40	430	159	150	127	
50	454	190	165	152	
60	537	217	185	178	
75	591	254	200	190	
100	703	305	220	229	
125	872	356	250	254	
150	932	406	285	280	
200	1255	520	340	343	
250	1503	635	395	406	

DIMENSIONS C.I. EBONITE LINED					
Ø	B	C	G (UNI)	G (ASA)	
20	311,5	123	105	98	
25	311,5	133	115	108	
30	366	152	140	118	
40	430	165	150	127	
50	454	196	165	152	
60	537	227	185	178	
75	591	260	200	190	
100	703	313	220	229	
125	872	364	250	254	
150	932	414	285	280	
200	1255	530	340	343	
250	1503	645	395	406	

Model GS52A REG

DIAPHRAGM VALVES



DETAILS	
1	BODY
2	DIAPHRAGM
3	BONNET
4	COMPRESSOR
6	HANDWHEEL
8	STEM
15	O RING
28	BOTTOM CHAMBER
31	BOTTOM SUPPORT PLATE
32	AIR DIAPHRAGM
33	TOP CHAMBER
36	TOP SUPPORT PLATE
37	LOCKING WASHER
39	GASKET
40	SPRING SEAT
43	SPRING
44	LIMIT EXTENSION
45	SPRING PLATE
46	BUSH
48	POSITION INDICATOR
51	SPRING CHAMBER
53	SLEEVE
55	LIMIT OPENING BOLT OR SCREW
57	SPINDLE
86	INDICATOR BUSH
87	O RING

PRESSURE RATING
refer technical data



Unlined

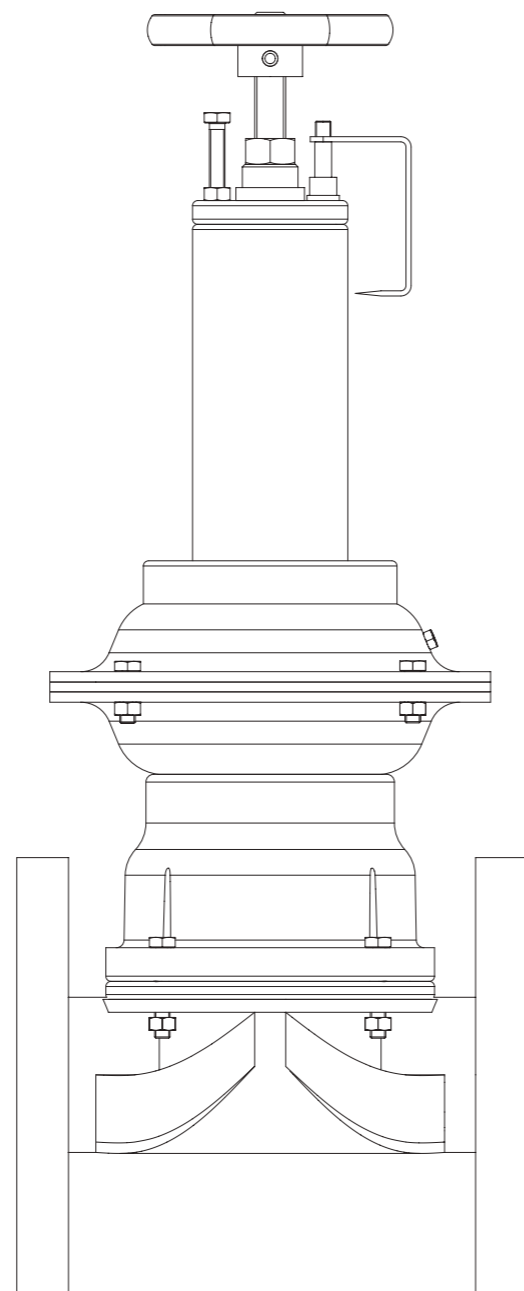
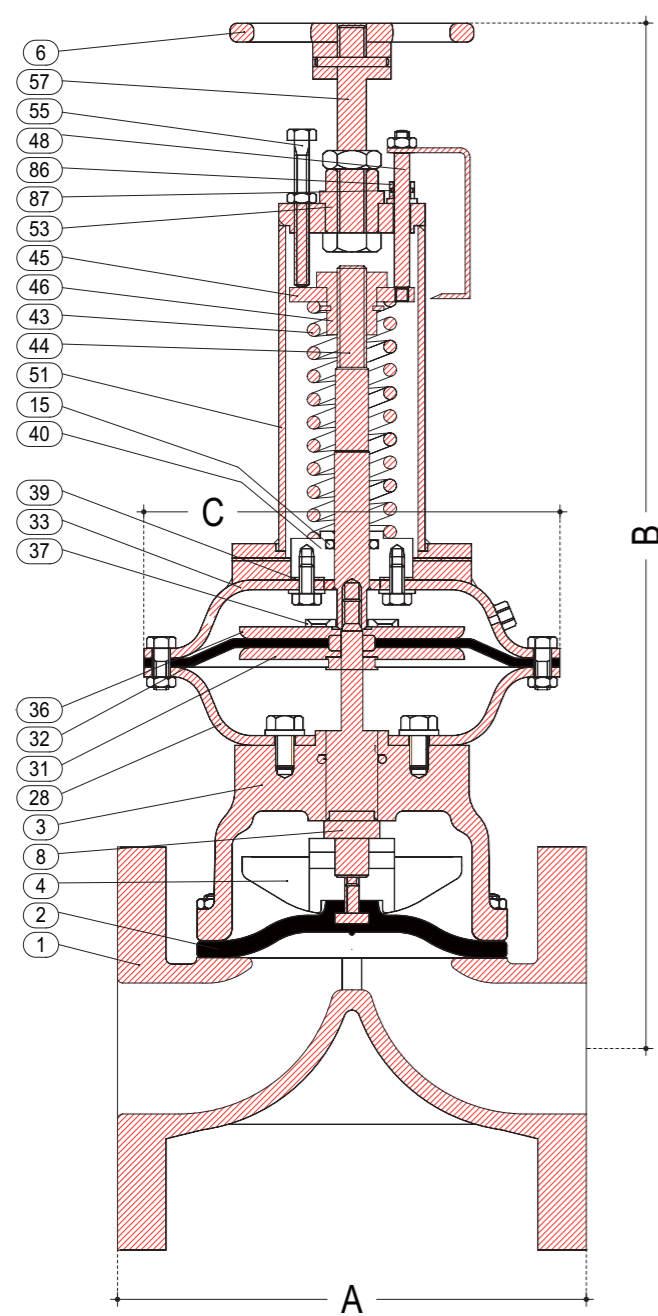
dn	15	20	25	40	50	65	80	100	125	150	200	250	
Act Model	C	B											
BA11	170	360	365	375	400	415	550	570	600	765			
BA21	255		465	490	505	550	570	600	765				
BA31	338		490	510	525	610	635	650	820	865	980		
BA61	415					735	755	775	840	935	1095		
BA71	462						770	790	900	950	1110	1145	
BA81	570							825	1075	1085	1155	1195	
		A											
		108	117	127	159	190	216	254	305	356	406	521	635

Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250	
Act Model	C	B											
BA11	170	360	365	375	400	415							
BA21	255		465	490	505	550	570	600	765				
BA31	338		490	510	525	610	635	650	820	865	980		
BA61	415					735	755	775	840	935	1095		
BA71	462						770	790	900	950	1110	1145	
BA81	570							825	1075	1085	1155	1195	
		A											
		114	123	133	165	196	222	260	313	364	414	529	645

Model GS52A DIN REG

DIAPHRAGM VALVES



- DETAILS**
- 1 BODY
 - 2 DIAPHRAGM
 - 3 BONNET
 - 4 COMPRESSOR
 - 6 HANDWHEEL
 - 8 STEM
 - 15 O RING
 - 28 BOTTOM CHAMBER
 - 31 BOTTOM SUPPORT PLATE
 - 32 AIR DIAPHRAGM
 - 33 TOP CHAMBER
 - 36 TOP SUPPORT PLATE
 - 37 LOCKING WASHER
 - 39 GASKET
 - 40 SPRING SEAT
 - 43 SPRING
 - 44 STEM EXTENSION
 - 45 SPRING PLATE
 - 46 BUSH
 - 48 POSITION INDICATOR
 - 51 SPRING CHAMBER
 - 53 SLEEVE
 - 55 LIMIT OPENING BOLT OR SCREW
 - 57 SPINDLE
 - 86 INDICATOR BUSH
 - 87 O RING

PRESSURE RATING
refer technical data

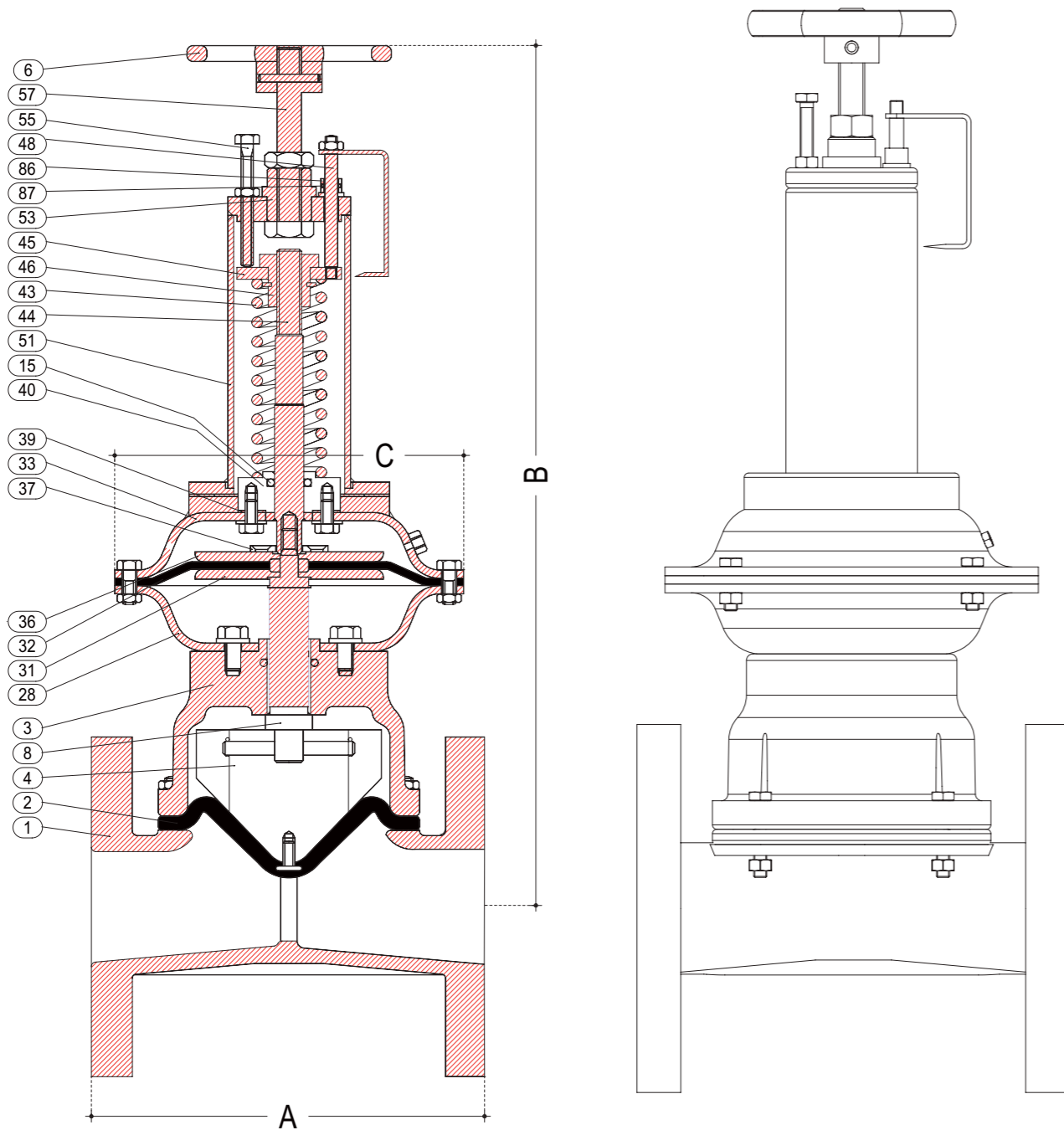


Unlined/Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C		B									
BA11	170	360	365	375	400	415						
BA21	255		465	490	505	550	570	600	765			
BA31	338		490	510	525	610	635	650	820	865	980	
BA61	415					735	755	775	840	935	1095	
BA71	462						770	790	900	950	1110	1145
BA81	570							825	1075	1085	1155	1195
	A											
	130	150	160	200	230	290	310	350	400	480	600	730

Model GS52A FB REG

DIAPHRAGM VALVES



DETAILS

- 1 BODY
- 2 DIAPHRAGM
- 3 BONNET
- 4 COMPRESSOR
- 6 HANDWHEEL
- 8 STEM
- 15 O RING
- 28 BOTTOM CHAMBER
- 31 BOTTOM SUPPORT PLATE
- 32 AIR DIAPHRAGM
- 33 TOP CHAMBER
- 36 TOP SUPPORT PLATE
- 37 LOCKING WASHER
- 39 GASKET
- 40 SPRING SEAT
- 43 SPRING
- 44 STEM EXTENSION
- 45 SPRING PLATE
- 46 BUSH
- 48 POSITION INDICATOR
- 51 SPRING CHAMBER
- 53 SLEEVE
- 55 LIMIT OPENING BOLT OR SCREW
- 57 SPINDLE
- 86 INDICATOR BUSH
- 87 O RING

PRESSURE RATING

refer technical data



Unlined

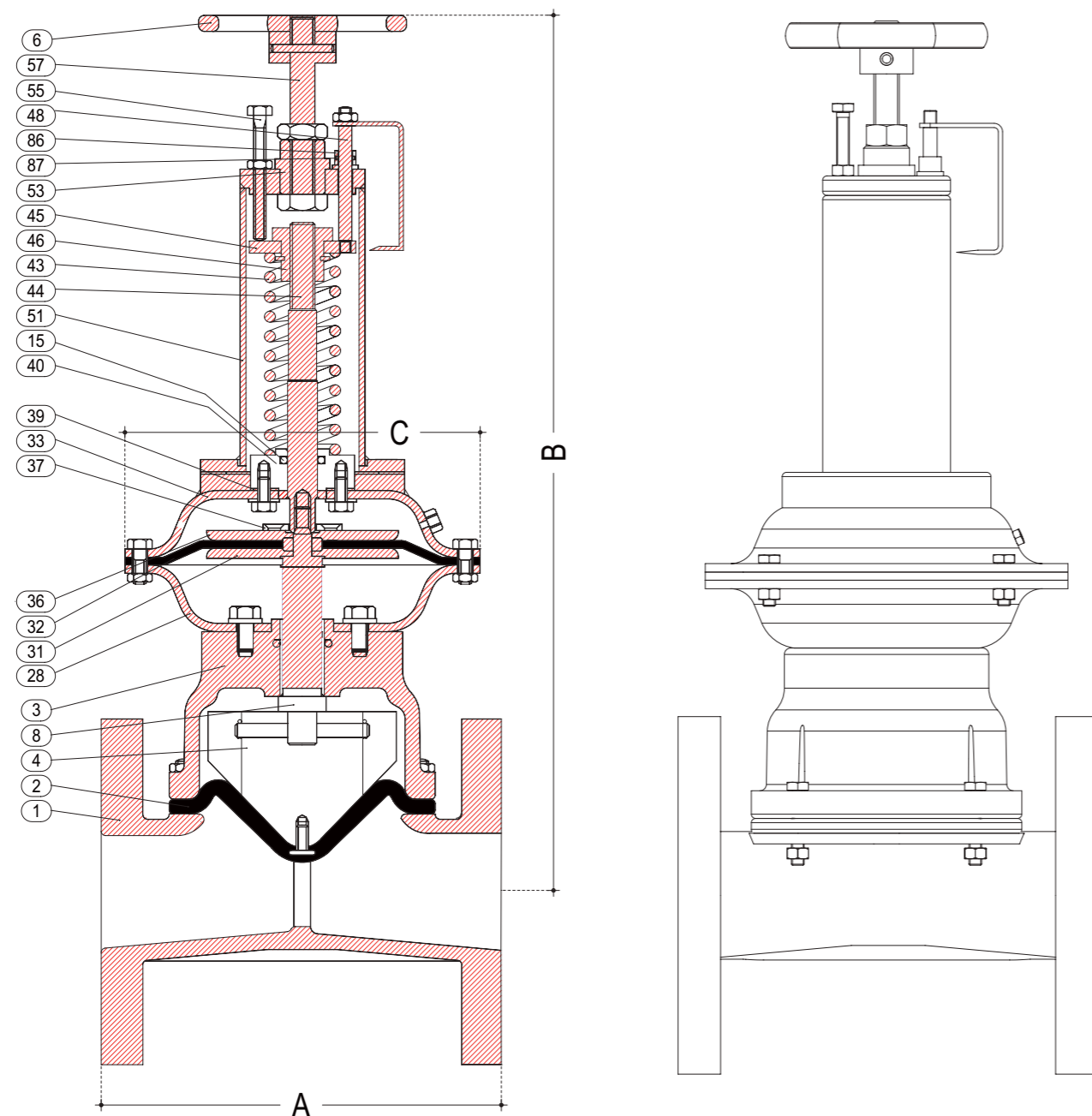
dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C ← B →											
BA11	170	355	360	375	375							
BA21	255		465	465	495	530	545					
BA31	338		490	490	520	595	605	640				
BA61	415					715	730	760	930	940		
BA71	462						745	775	950	960	1025	
BA81	570							825	1075	1085	1155	
	← A →											
	108	117	127	159	190	216	254	305	356	406	521	

Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C ← B →											
BA11	170	355	360	375	375							
BA21	255		465	465	495	530	545					
BA31	338		490	490	520	595	605	640				
BA61	415					715	730	760	930	940		
BA71	462						745	775	950	960	1025	
BA81	570							825	1075	1085	1155	
	← A →											
	114	123	133	165	196	222	260	313	364	414	529	

Model GS52A FB DIN REG

DIAPHRAGM VALVES



DETAILS

- 1 BODY
- 2 DIAPHRAGM
- 3 BONNET
- 4 COMPRESSOR
- 6 HANDWHEEL
- 8 STEM
- 15 O RING
- 28 BOTTOM CHAMBER
- 31 BOTTOM SUPPORT PLATE
- 32 AIR DIAPHRAGM
- 33 TOP CHAMBER
- 36 TOP SUPPORT PLATE
- 37 LOCKING WASHER
- 39 GASKET
- 40 SPRING SEAT
- 43 SPRING
- 44 STEM EXTENSION
- 45 SPRING PLATE
- 46 BUSH
- 48 POSITION INDICATOR
- 51 SPRING CHAMBER
- 53 SLEEVE
- 55 LIMIT OPENING BOLT OR SCREW
- 57 SPINDLE
- 86 INDICATOR BUSH
- 87 O RING

PRESSURE RATING

refer technical data

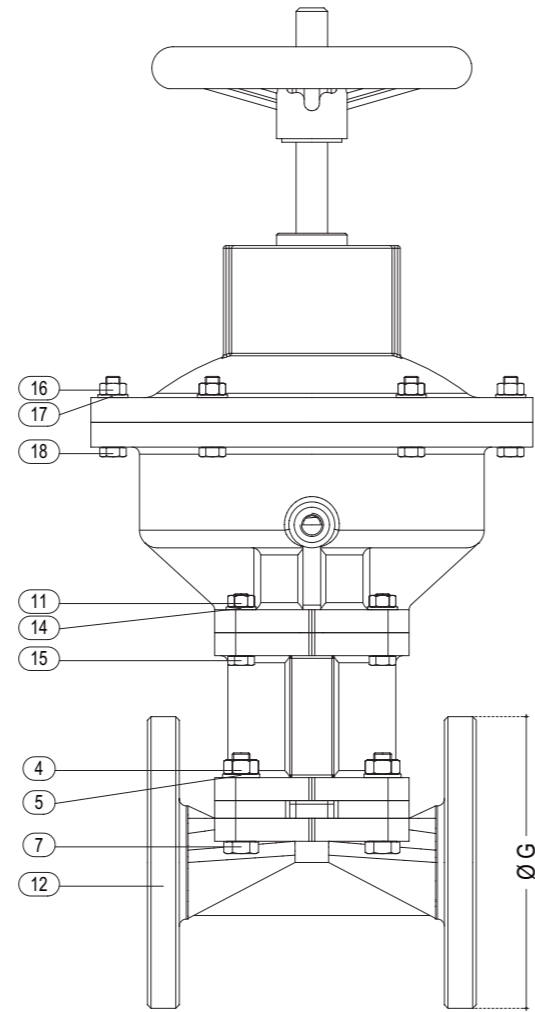
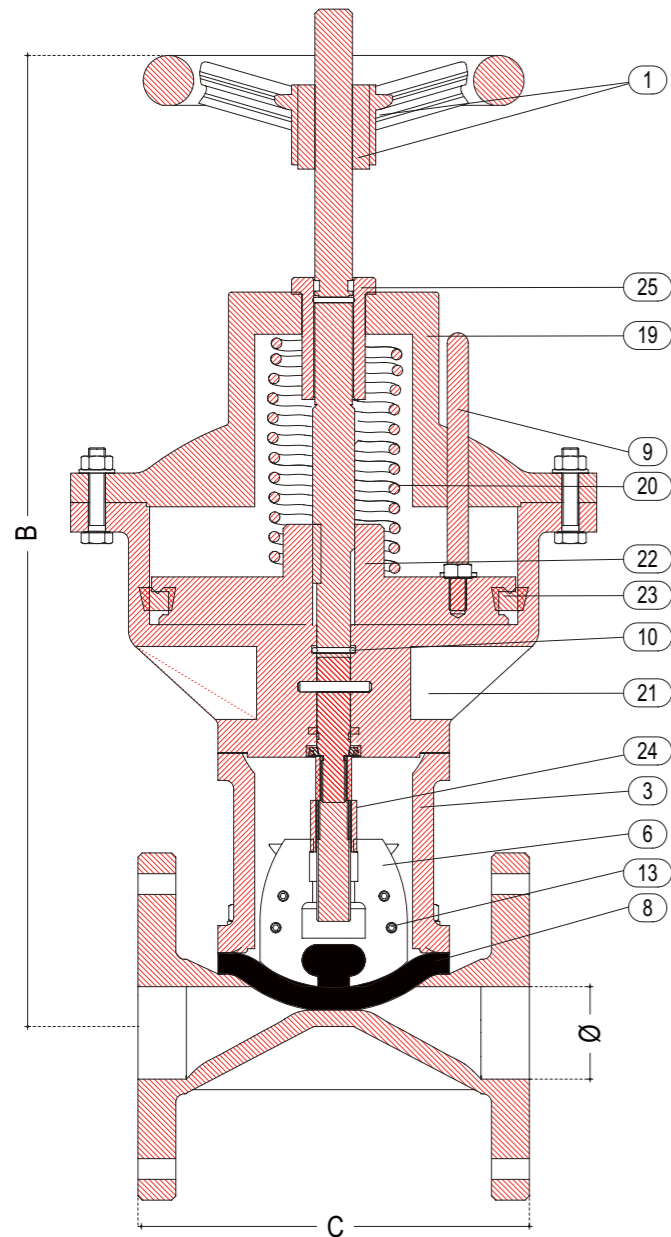


Unlined/Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C		B									
BA11	170	355	360	375	375							
BA21	255		465	465	495	530	545					
BA31	338		490	490	520	595	605	640				
BA61	415					715	730	760	930	940		
BA71	462						745	775	950	960	1025	
BA81	570							825	1075	1085	1155	
	A											
	130	150	160	200	230	290	310	350	400	480	600	

Model GS53 HW

DIAPHRAGM VALVES



DETAILS	
1	WHEEL AND BUSHING
2	SUPPORT
3	DIAPHRAGM
4	HEXAGON NUT
5	WASHER
6	PLUG
7	HEXAGON BOLT
8	DIAPHRAGM
9	GUIDE PIN
10	"V" GASKET
11	HEXAGON NUT
12	VALVE BODY
13	CLAMPING
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON BOLT
19	COVER
20	SPRINGS
21	CYLINDER
22	PISTON, PIN AND LEAD SCREW
23	"V" GASKET
24	BRONZE NUT
25	WHEEL BUSHING



AIR PRESSURE REQUIRED KG/CM ²											
dn	20	25	30	40	50	60	75	100	125	150	200
min.	4	4	4	4	4	4	3,5	3,5	3	3	2,5
max.	6	6	6	6	6	6	5	5	5	4	4

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	4,5	15	4,5	4
25	4,5	15	4,5	4
30	4,5	15	4,5	4
40	4,5	15	4,5	4
50	4	15	4	3
60	4	15	4	3
75	4	15	4	3
100	3,5	15	3,5	2,5
125	3,5	13	3,5	2,5
150	3	13	3	2
200	2,5	13	2,5	1,5

NOTE: For different pressure details please ask the DPT

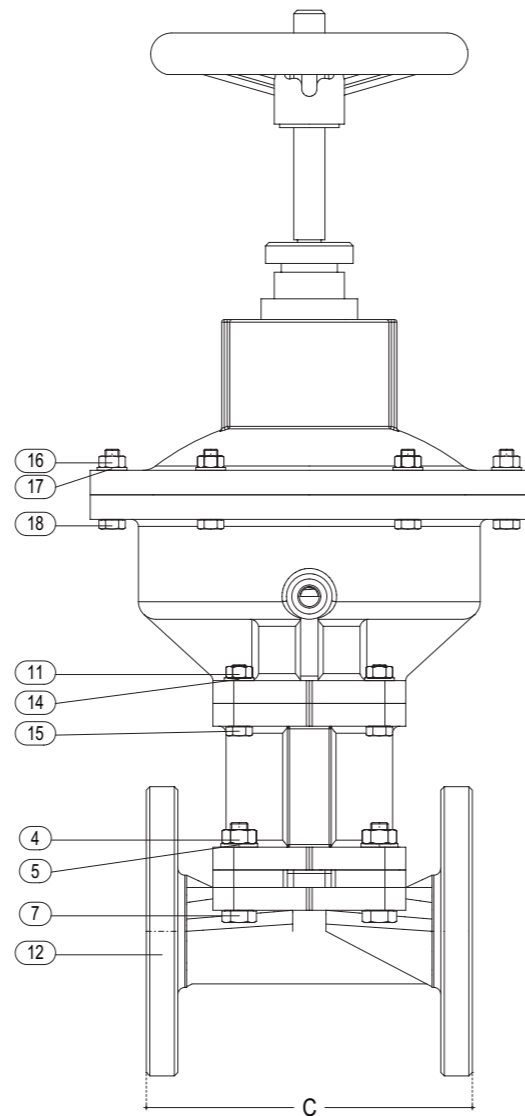
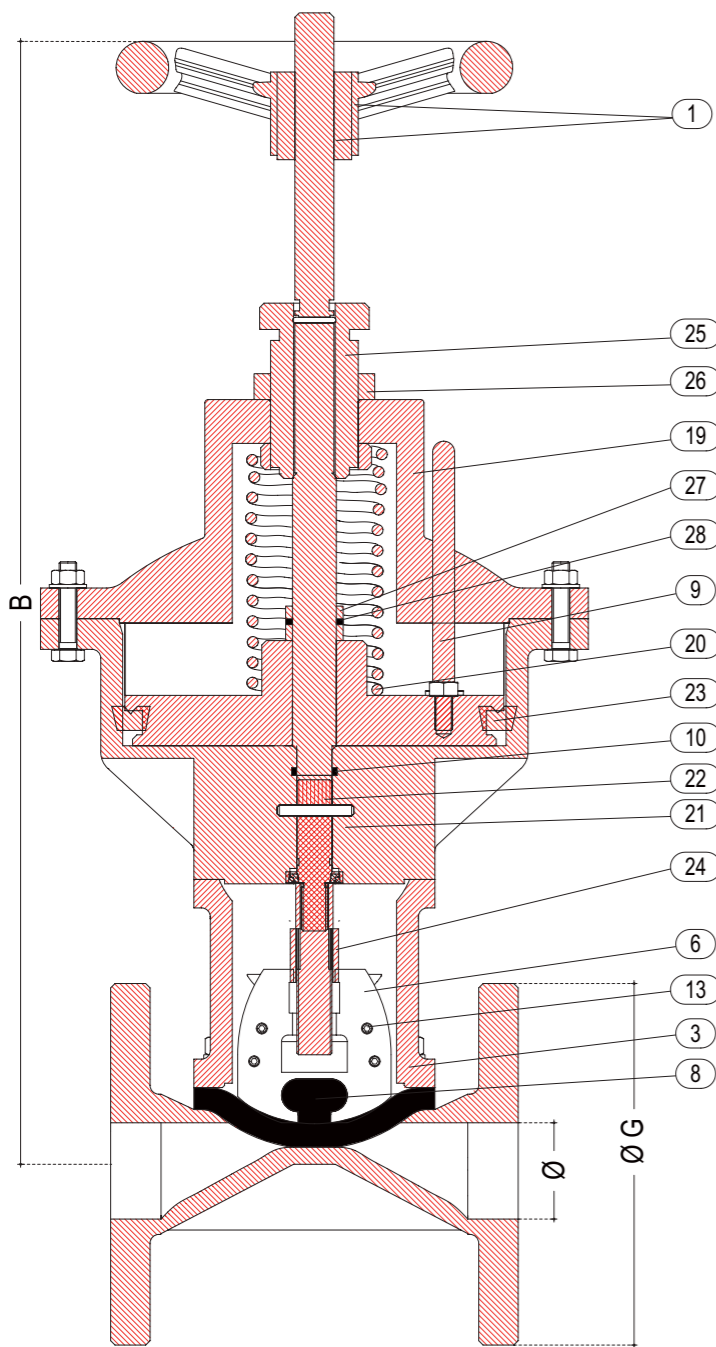
WEIGHT KG		
	C.I. unlined	C.I. ebonite lined
20	7,800	8,000
25	8,500	8,500
30	12,400	12,500
40	14,000	14,500
50	19,500	20,500
60	26,000	27,000
75	34,000	35,000
100	54,500	55,500
125	76,000	77,000
150	94,000	96,000
200	185,000	187,000

DIMENSIONS C.I. UNLINED					
Ø	B	C	G (UNI)	G (ASA)	
20	330	117	105	98	
25	330	127	115	108	
30	380	146	140	118	
40	450	159	150	127	
50	470	190	165	152	
60	500	217	185	178	
75	600	254	200	190	
100	710	305	220	229	
125	800	356	250	254	
150	870	406	285	280	
200	1130	520	340	343	

DIMENSIONS C.I. EBONITE LINED					
Ø	B	C	G (UNI)	G (ASA)	
20	330	123	105	98	
25	330	133	115	108	
30	380	152	140	118	
40	450	165	150	127	
50	470	196	165	152	
60	500	227	185	178	
75	600	260	200	190	
100	710	313	220	229	
125	800	364	250	254	
150	870	414	285	280	
200	1130	530	340	343	

Model GS54 HW

DIAPHRAGM VALVES



DETAILS	
1	WHEEL AND BUSHING
3	SUPPORT
4	HEXAGON NUT
5	WASHER
6	PLUG
7	HEXAGON BOLT
8	DIAPHRAGM
9	GUIDE PIN
10	"V" GASKET
11	HEXAGON NUT
12	VALVE BODY
13	CLAMPING
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON BOLT
19	COVER
20	SPRINGS
21	CYLINDER
22	PISTON, PIN AND LEAD SCREW
23	"V" GASKET
24	HEXAGON NUT
25	REGULATOR WHEEL
26	BUSHING
27	WHEEL
28	WITH



AIR PRESSURE REQUIRED KG/CM ²											
dn	20	25	30	40	50	60	75	100	125	150	200
min.	4	4	4	4	4	4	3,5	3,5	3	3	2,5
max.	6	6	6	6	6	6	5	5	5	4	4

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	4,5	15	4,5	4
25	4,5	15	4,5	4
30	4,5	15	4,5	4
40	4,5	15	4,5	4
50	4	15	4,5	3
60	4	15	4,5	3
75	4	15	4,5	3
100	3,5	15	3,5	2,5
125	3,5	13	3,5	2,5
150	3	13	3	2
200	2,5	13	2,5	1,5

NOTE: For different pressure details please ask the DPT

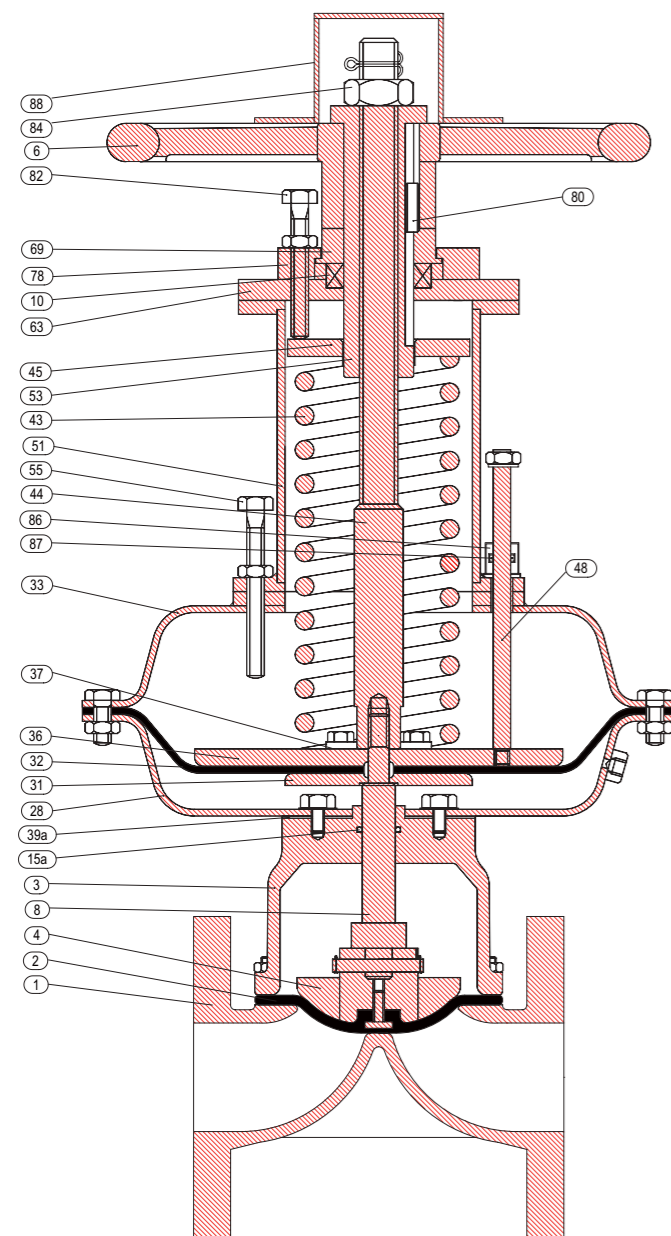
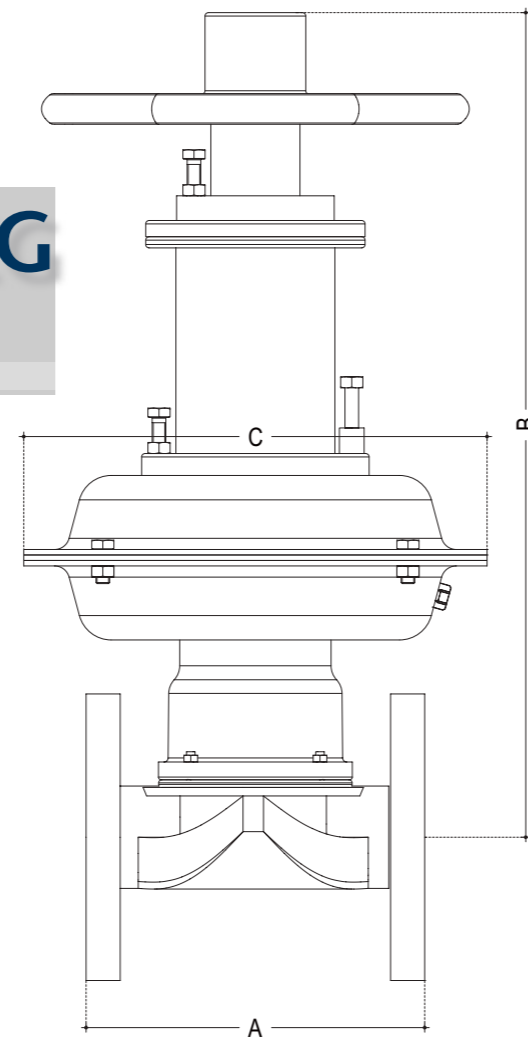
WEIGHT KG		
	C.I. unlined	C.I. ebonite lined
20	8,400	8,500
25	8,700	8,800
30	12,700	12,800
40	14,300	14,800
50	20,000	21,000
60	26,600	27,600
75	34,800	35,800
100	55,500	58,500
125	77,000	78,000
150	95,300	97,300
200	187,000	189,000

DIMENSIONS C.I. UNLINED					
Ø	B	C	G (UNI)	G (ASA)	
20	360	117	105	98	
25	360	127	115	108	
30	410	146	140	118	
40	450	159	150	127	
50	520	190	165	152	
60	590	217	185	178	
75	620	254	200	190	
100	780	305	220	229	
125	960	356	250	254	
150	990	406	285	280	
200	1300	520	340	343	

DIMENSIONS C.I. EBONITE LINED					
Ø	B	C	G (UNI)	G (ASA)	
20	360	123	105	98	
25	360	133	115	108	
30	410	152	140	118	
40	450	165	150	127	
50	520	196	165	152	
60	590	227	185	178	
75	620	260	200	190	
100	780	313	220	229	
125	960	364	250	254	
150	990	414	285	280	
200	1300	530	340	343	

Model GS54 REG

DIAPHRAGM VALVES



DETAILS

- 1 BODY
- 2 DIAPHRAGM
- 3 BONNET
- 4 COMPRESSOR
- 6 HANDWHEEL
- 8 STEM
- 10 BEARING
- 15A O RING
- 28 BOTTOM CHAMBER
- 31 BOTTOM SUPPORT PLATE
- 32 AIR DIAPHRAGM
- 33 TOP CHAMBER
- 36 TOP SUPPORT PLATE
- 37 LOCKING WASHER
- 39A GASKET
- 43 SPRING
- 44 STEM EXTENSION
- 45 SPRING PLATE
- 48 POSITION INDICATOR
- 51 SPRING CHAMBER
- 53 SLEEVE
- 55 LIMIT OPENING BOLT OR SCREW
- 63 TOP COVER
- 69 HAND WHEEL ADAPTER
- 78 HOUSING
- 80 KEY
- 82 SPRING COMP ADJUSTMENT SCREW
- 84 HEX.NUT
- 86 INDICATOR BUSH
- 87 O RING (FOR INDICATOR BUSH)
- 88 SLEEVE COVER



PRESSURE RATING

refer technical data

Unlined

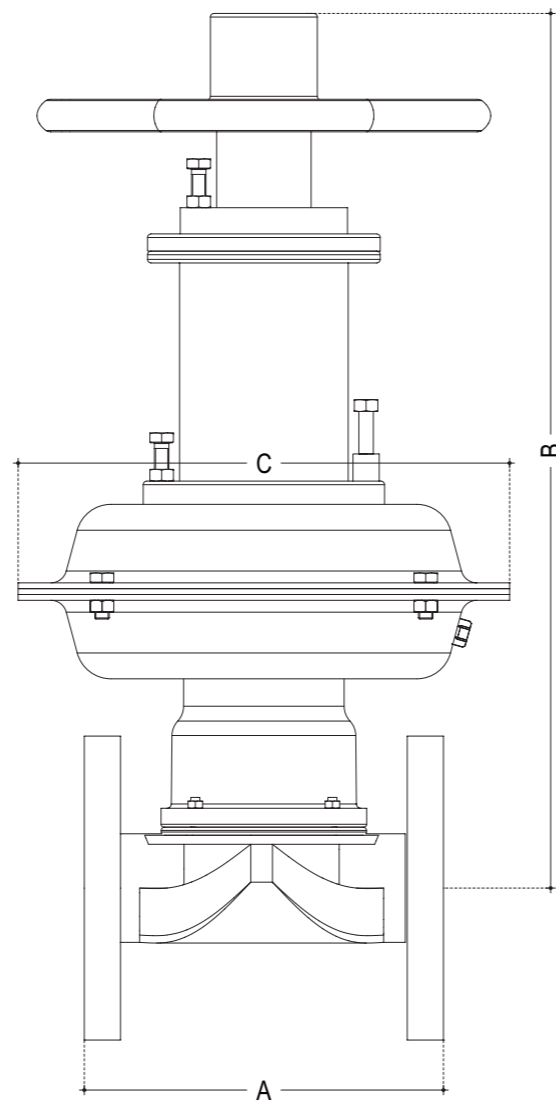
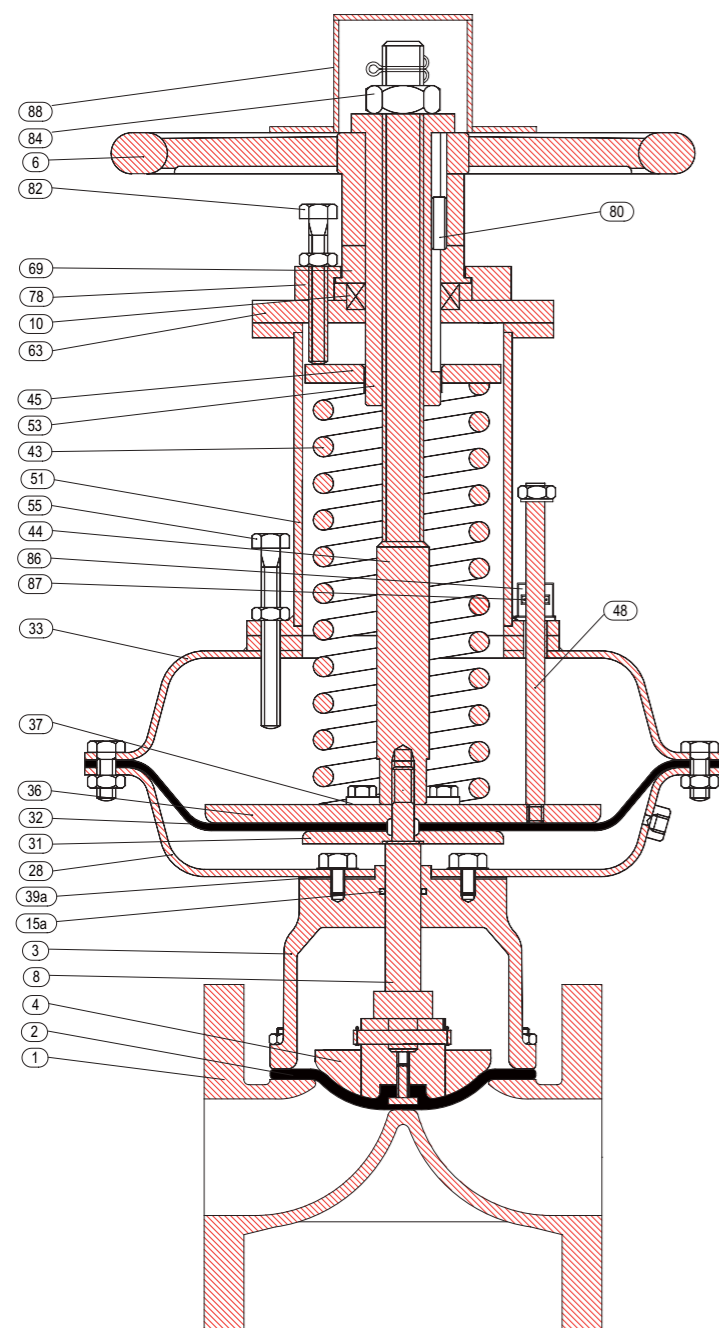
dn	15	20	25	40	50	65	80	100	125	150	200	250	
ACT.Model	C		B										
BA 1002/12	170	395	405	415	445	470							
BA 2003/04/34	255			495	525	550	570	600	655				
BA 3004/34	338			535	565	590	615	645	700				
BA 3006/56	338			650	680	710	730	760	790	840	900		
BA 6007/56/57/67/6B/AB	415						795	825	855	910	965	1070	
BA 7007/57/67/6B/AB	462						850	870	900	950	1010	1110	
BA 806B/AB	570								955	1005	1065	1165	
BA8009/CD	570								1130	1180	1240	1340	1375
	A												
	108	117	127	159	190	216	254	305	356	406	521	635	

Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250	
ACT.Model	C		B										
BA 1002/12	170	395	405	415	445	470							
BA 2003/04/34	255			495	525	550	570	600	655				
BA 3004/34	338			535	565	590	615	645	700				
BA 3006/56	338			650	680	710	730	760	790	840	900		
BA 6007/56/57/67/6B/AB	415						795	825	855	910	965	1070	
BA 7007/57/67/6B/AB	462						850	870	900	950	1010	1110	
BA 806B/AB	570								955	1005	1065	1165	
BA8009/CD	570								1130	1180	1240	1340	1375
	A												
	114	123	133	165	196	222	260	313	364	414	529	645	

Model GS54 DIN REG

DIAPHRAGM VALVES



DETAILS

- | | |
|-----|------------------------------|
| 1 | BODY |
| 2 | DIAPHRAGM |
| 3 | BONNET |
| 4 | COMPRESSOR |
| 6 | HANDWHEEL |
| 8 | STEM |
| 10 | BEARING |
| 15A | O RING |
| 28 | BOTTOM CHAMBER |
| 31 | BOTTOM SUPPORT PLATE |
| 32 | AIR DIAPHRAGM |
| 33 | TOP CHAMBER |
| 36 | TOP SUPPORT PLATE |
| 37 | LOCKING WASHER |
| 39A | GASKET |
| 43 | SPRING |
| 44 | STEM EXTENSION |
| 45 | SPRING PLATE |
| 48 | POSITION INDICATOR |
| 51 | SPRING CHAMBER |
| 53 | SLEEVE |
| 55 | LIMIT OPENING BOLT OR SCREW |
| 63 | TOP COVER |
| 69 | HAND WHEEL ADAPTER |
| 78 | HOUSING |
| 80 | KEY |
| 82 | SPRING COMP ADJUSTMENT SCREW |
| 84 | HEX.NUT |
| 86 | INDICATOR BUSH |
| 87 | O RING (FOR INDICATOR BUSH) |
| 88 | SLEEVE COVER |

PRESSURE RATING

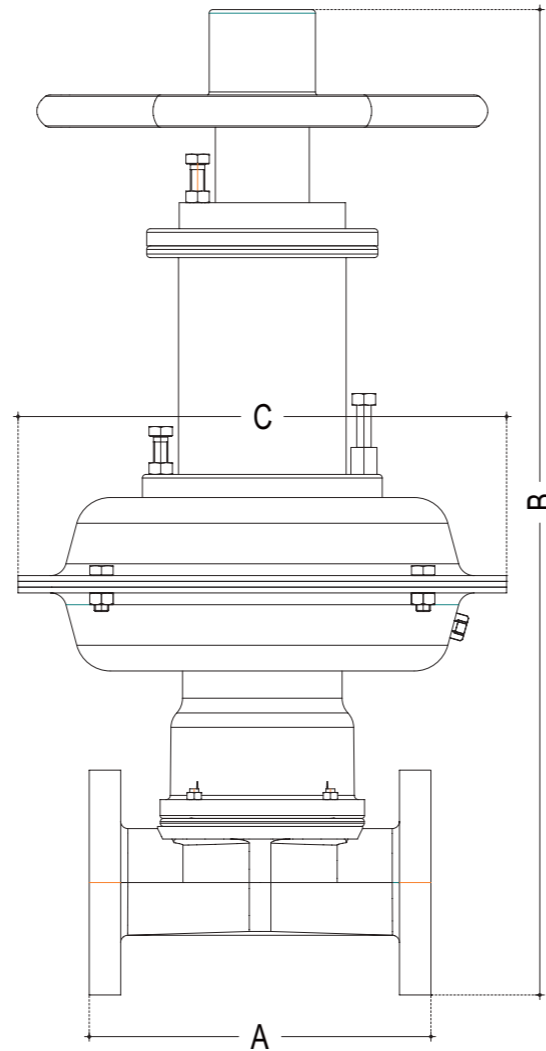
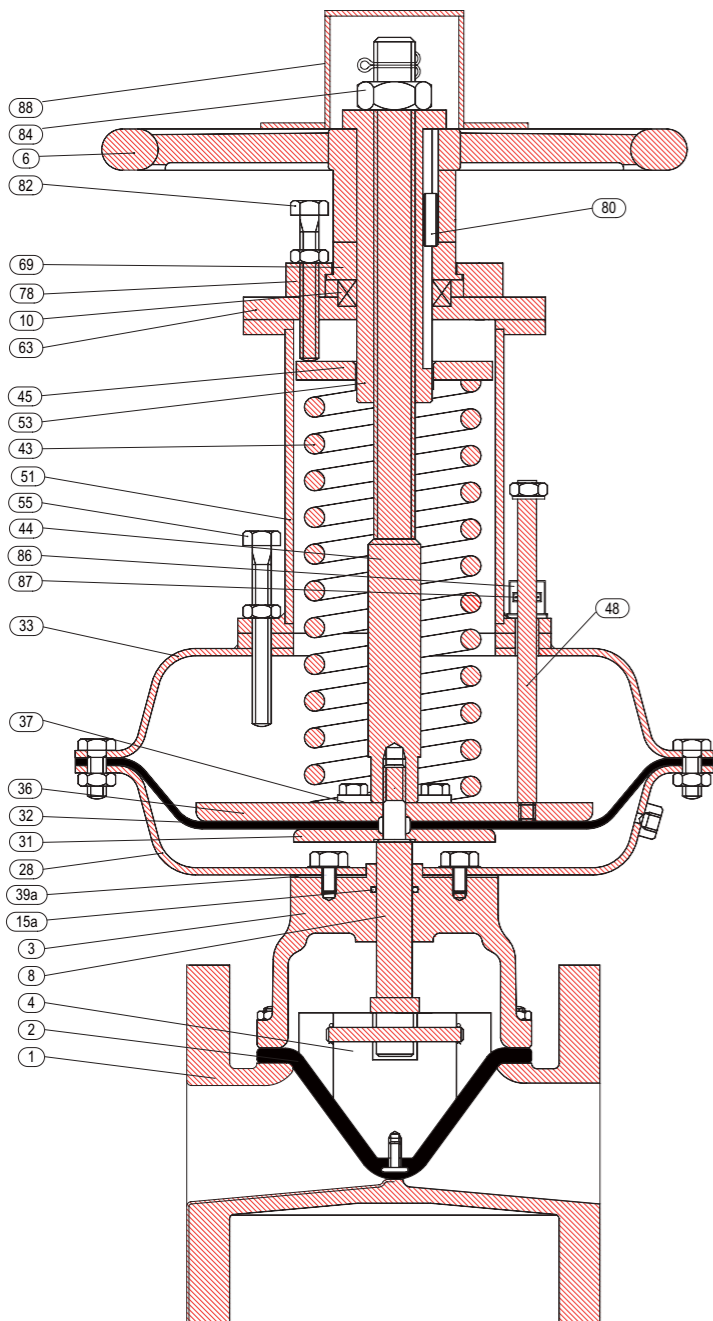
refer technical data

Unlined/Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250
ACT.Model	C		B									
BA 1002/12	170	395	405	415	445	470						
BA 2003/04/34	255			495	525	550	570	600	655			
BA 3004/34	338			535	565	590	615	645	700			
BA 3006/56	338			650	680	710	730	760	790	840	900	
BA 6007/56/57/67/6B/AB	415						795	825	855	910	965	1070
BA 7007/57/67/6B/AB	462						850	870	900	950	1010	1110
BA 806B/AB	570							955	1005	1065	1165	
BA8009/CD	570							1130	1180	1240	1340	1375
	A											
	130	150	160	200	230	290	310	350	400	480	600	730

Model GS54FB REG

DIAPHRAGM VALVES



DETAILS

- 1 BODY
- 2 DIAPHRAGM
- 3 BONNET
- 4 COMPRESSOR
- 6 HANDWHEEL
- 8 STEM
- 10 BEARING
- 15A O RING
- 28 BOTTOM CHAMBER
- 31 BOTTOM SUPPORT PLATE
- 32 AIR DIAPHRAGM
- 33 TOP CHAMBER
- 36 TOP SUPPORT PLATE
- 37 LOCKING WASHER
- 39A GASKET
- 43 SPRING
- 44 STEM EXTENSION
- 45 SPRING PLATE
- 48 POSITION INDICATOR
- 51 SPRING CHAMBER
- 53 SLEEVE
- 55 LIMIT OPENING BOLT OR SCREW
- 63 TOP COVER
- 69 HAND WHEEL ADAPTER
- 78 HOUSING
- 80 KEY
- 82 SPRING COMP ADJUSTMENT SCREW
- 84 HEX.NUT
- 86 INDICATOR BUSH
- 87 O RING (FOR INDICATOR BUSH)
- 88 SLEEVE COVER

PRESSURE RATING

refer technical data

Unlined

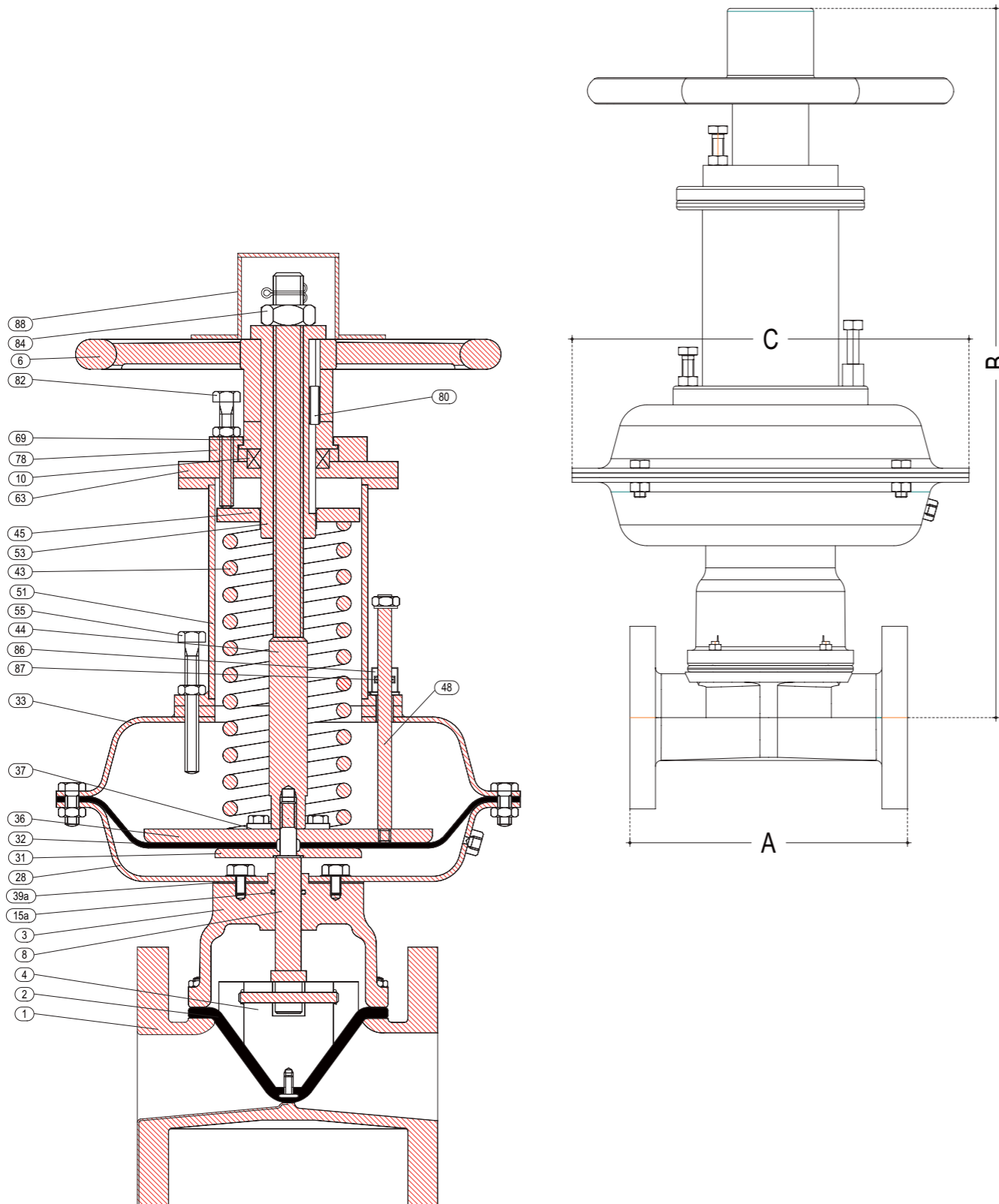
dn	15	20	25	40	50	65	80	100	125	150	200	250
ACT.Model	C		B									
BA 1002/12	170	395	400	410	410							
BA 2003/04/34	255		495	500	545	560						
BA 3004/34	338				585	600	625					
BA 3006/56	338					715	740	775				
BA 6007/57/67	415					785	810	840				
BA7057/67/AB	462						855	885	1010	1020		
BA 80AB	570							940	1060	1070	1160	
BA80CD/89	570								1115	1235	1245	1340
	A											
	108	117	127	159	190	216	254	305	356	406	521	

Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250
ACT.Model	C		B									
BA 1002/12	170	395	400	410	410							
BA 2003/04/34	255		495	500	545	560						
BA 3004/34	338				585	600	625					
BA 3006/56	338					715	740	775				
BA 6007/57/67	415					785	810	840				
BA7057/67/AB	462						855	885	1010	1020		
BA 80AB	570							940	1060	1070	1160	
BA80CD/89	570								1115	1235	1245	1340
	A											
	114	123	133	165	196	222	260	313	364	414	529	

Model GS54FB DIN REG

DIAPHRAGM VALVES



DETAILS

- 1 BODY
- 2 DIAPHRAGM
- 3 BONNET
- 4 COMPRESSOR
- 6 HANDWHEEL
- 8 STEM
- 10 BEARING
- 15A O RING
- 28 BOTTOM CHAMBER
- 31 BOTTOM SUPPORT PLATE
- 32 AIR DIAPHRAGM
- 33 TOP CHAMBER
- 36 TOP SUPPORT PLATE
- 37 LOCKING WASHER
- 39A GASKET
- 43 SPRING
- 44 STEM EXTENSION
- 45 SPRING PLATE
- 48 POSITION INDICATOR
- 51 SPRING CHAMBER
- 53 SLEEVE
- 55 LIMIT OPENING BOLT OR SCREW
- 63 TOP COVER
- 69 HAND WHEEL ADAPTER
- 78 HOUSING
- 80 KEY
- 82 SPRING COMP ADJUSTMENT SCREW
- 84 HEX.NUT
- 86 INDICATOR BUSH
- 87 O RING (FOR INDICATOR BUSH)
- 88 SLEEVE COVER

PRESSURE RATING

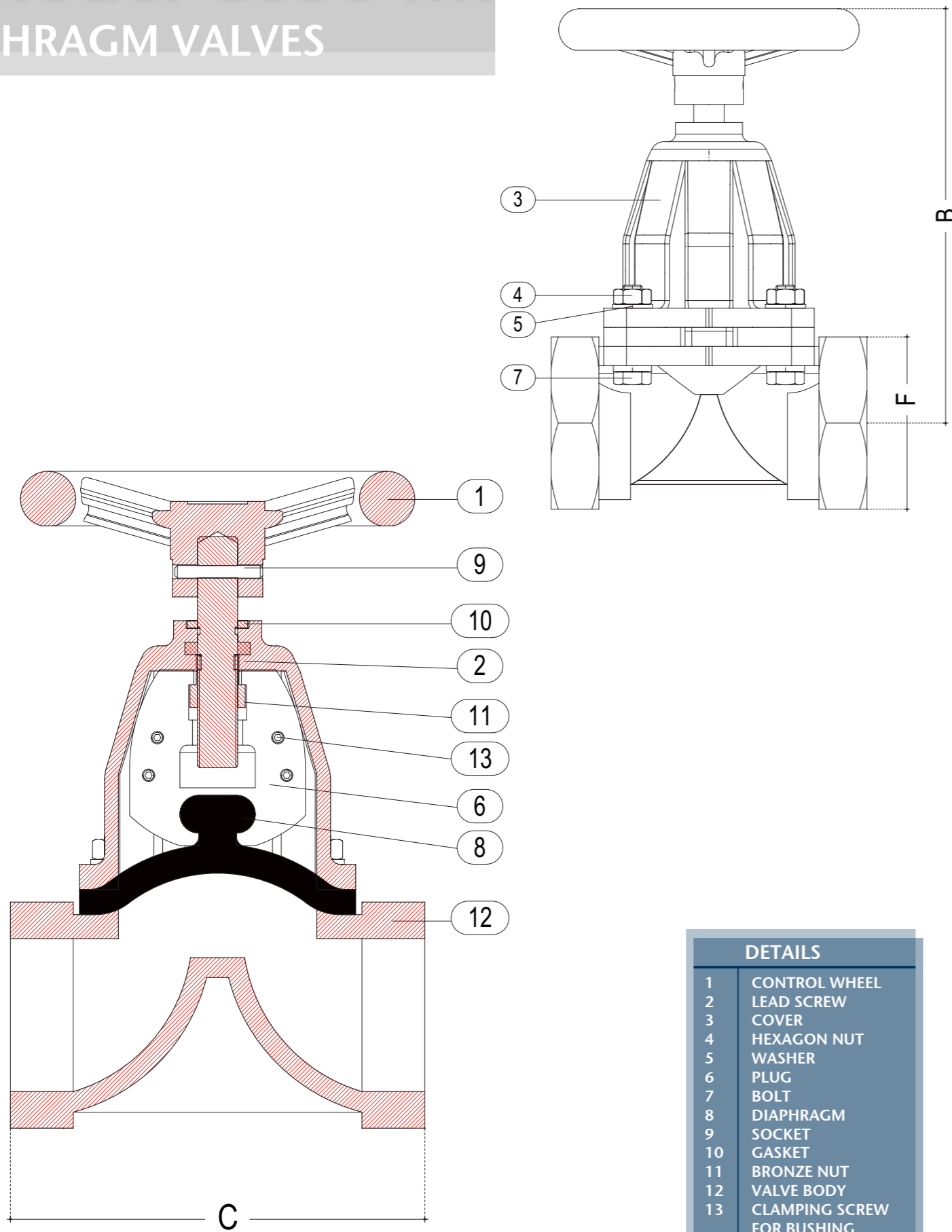
refer technical data

Unlined/Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250	
ACT.Model	C		B										
BA 1002/12	170	395	400	410	410								
BA 2003/04/34	255			495	500	545	560						
BA 3004/34	338					585	600	625					
BA 3006/56	338						715	740	775				
BA 6007/57/67	415						785	810	840				
BA7057/67/AB	462							855	885	1010	1020		
BA 80AB	570								940	1060	1070	1160	
BA80CD/89	570									1115	1235	1245	1340
	A												
	130	150	160	200	230	290	310	350	400	480	600		

Model GS55 HW

DIAPHRAGM VALVES



DETAILS	
1	CONTROL WHEEL
2	LEAD SCREW COVER
3	COVER
4	HEXAGON NUT
5	WASHER
6	PLUG
7	BOLT
8	DIAPHRAGM
9	SOCKET
10	GASKET
11	BRONZE NUT
12	VALVE BODY
13	CLAMPING SCREW FOR BUSHING



WEIGHT KG	
Ø	C.I
1/2 GAS	2,400
3/4 GAS	3,900
1 GAS	4,100
1 1/4 GAS	6,700
1 1/2 GAS	8,300
2 GAS	12,400
2 1/2 GAS	17,600
3 GAS	24,000

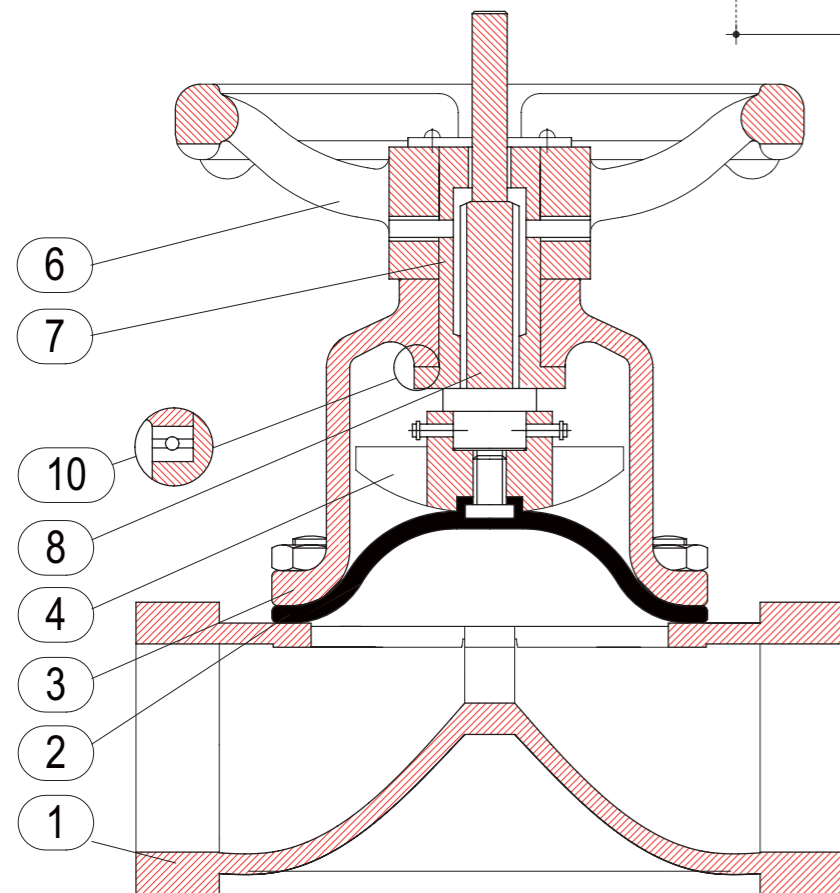
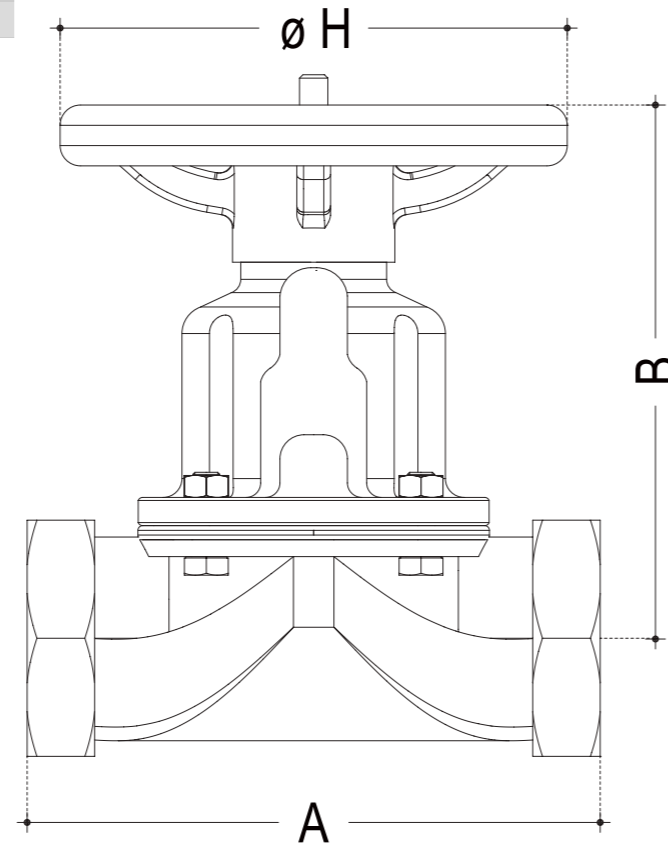
DIMENSIONS				
Ø	B	C	F	
1/2 GAS	60	50	45	
3/4 GAS	73	65	50	
1 GAS	125	108	60	
1 1/4 GAS	143	121	72	
1 1/2 GAS	180	140	80	
2 GAS	187	165	90	
2 1/2 GAS	232	204	120	
3 GAS	260	254	140	

PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
1/2 GAS	14	15	14	13
3/4 GAS	14	15	14	13
1 GAS	14	15	14	13
1 1/4 GAS	14	15	14	13
1 1/2 GAS	14	15	14	13
2 GAS	14	15	14	13
2 1/2 GAS	14	15	14	13
3 GAS	14	15	14	13

NOTE: For different pressure details please ask the DPT

Model GS55 REG

DIAPHRAGM VALVES



DETAILS	
1	BODY
2	DIAPHRAGM
3	BONNET
4	COMPRESSOR
6	HANDWHEEL
7	STEM BUSHING
8	STEM
10	THRUST BEARING



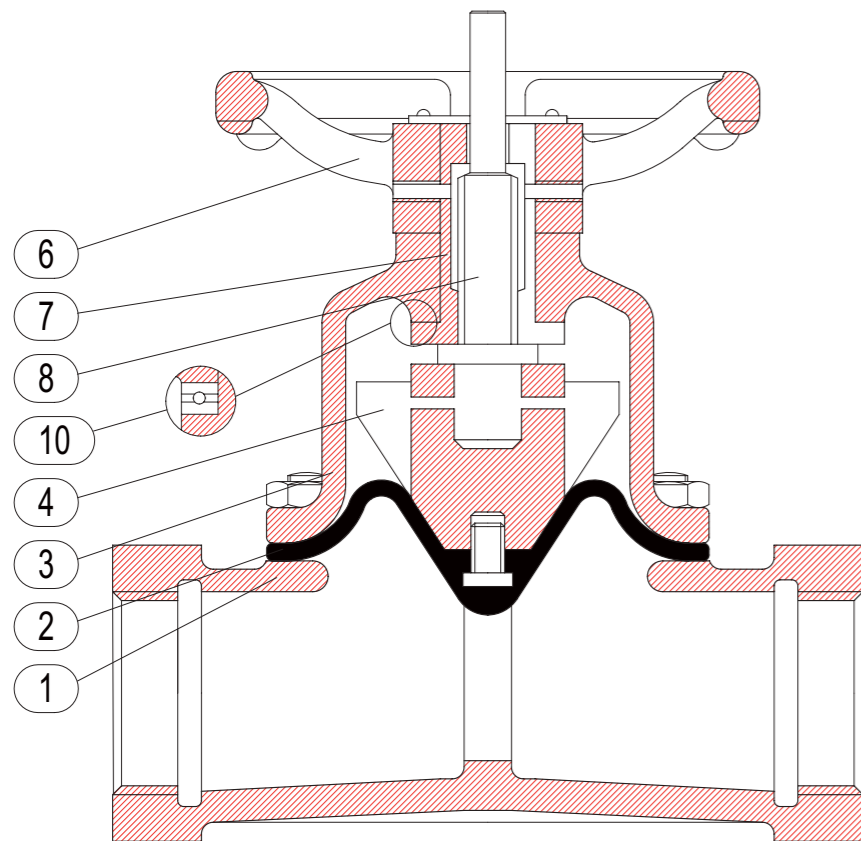
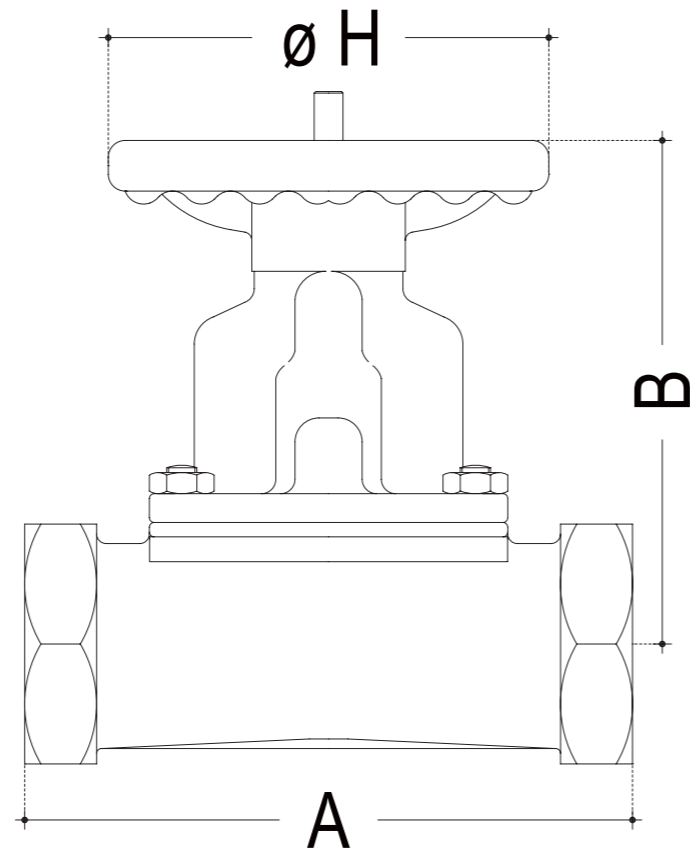
TEST PRESSURE IN BAR	
PRESSURE RATING	PN10
HYD SHELL	15,75
SEAT	10
AIR SEAT	5,0

WEIGHT KG
0,90
1,80
3,00
3,20
3,50
6,50
10,00
21,00

DIMENSIONS				
DN	A	B	$\varnothing H$	
15	64	90	70	
20	83	90	70	
25	108	112	100	
32	121	112	100	
40	140	112	100	
50	165	146	140	
65	203	177	180	
80	254	205	225	

Model GS55FB REG

DIAPHRAGM VALVES



DETAILS	
1	BODY
2	DIAPHRAGM
3	BONNET
4	COMPRESSOR
6	HANDWHEEL
7	STEM BUSHING
8	STEM
10	THRUST BEARING



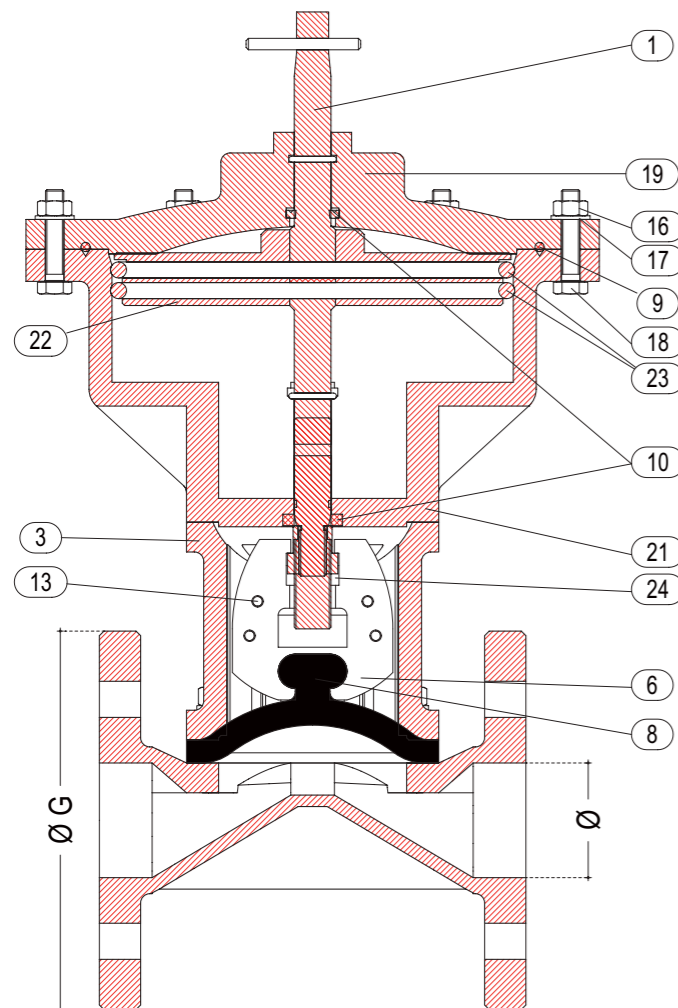
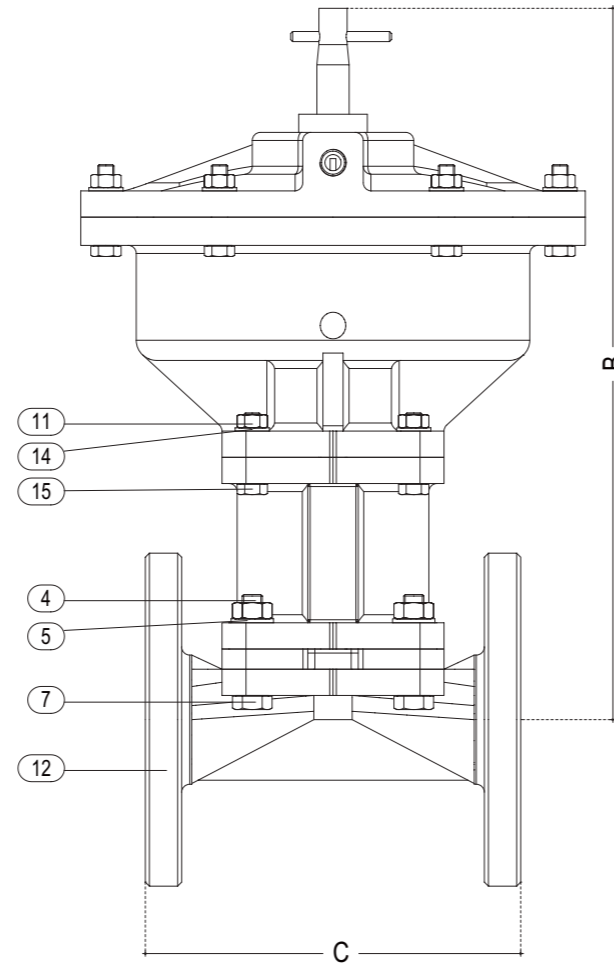
TEST PRESSURE IN BAR	
PRESSURE RATING	PN10
HYD SHELL	15,75
SEAT	10
AIR SEAT	5,0

WEIGHT KG
0,90
1,80
3,00
3,20
3,50
6,50
10,00
21,00

DIMENSIONS			
DN	A	B	Ø H
15	64	90	70
20	83	90	70
25	108	112	100
32	121	112	100
40	140	112	100
50	165	146	140
65	203	177	180
80	254	205	225

Model GS56 HW

DIAPHRAGM VALVES



DETAILS	
1	INDICATOR POSITION
2	
3	SUPPORT
4	HEXAGON NUT
5	WASHER
6	PLUG
7	STUD BOLT
8	DIAPHRAGM GASKET
9	GASKET
10	"V" GASKET
11	HEXAGON NUT
12	VALVE BODY
13	HEXAGON BOLT
14	WASHER
15	HEXAGON BOLT
16	HEXAGON NUT
17	WASHER
18	HEXAGON BOLT
19	COVER
20	DRIVE PIN
21	CYLINDER
22	PISTON
23	"V" GASKET
24	BRONZE NUT



PRESSURE DETAILS UNI_1284				
DN	P.N.	HYDRAULIC TEST kg/cm ²		WORKING PRESSURE kg/cm ²
		OPEN	CLOSE	
20	5	15	5	4
25	5	15	5	4
30	5	15	5	4
40	5	15	5	4
50	4,5	15	4,5	3,5
60	4,5	15	4,5	3,5
75	4,5	15	4,5	3,5
100	4,5	15	4,5	3,5
125	4	13	4	3
150	4	13	4	3
200	3	13	3	2
250	4	13	3	2
300	3	10	3	2

NOTE: For different pressure details please ask the DPT

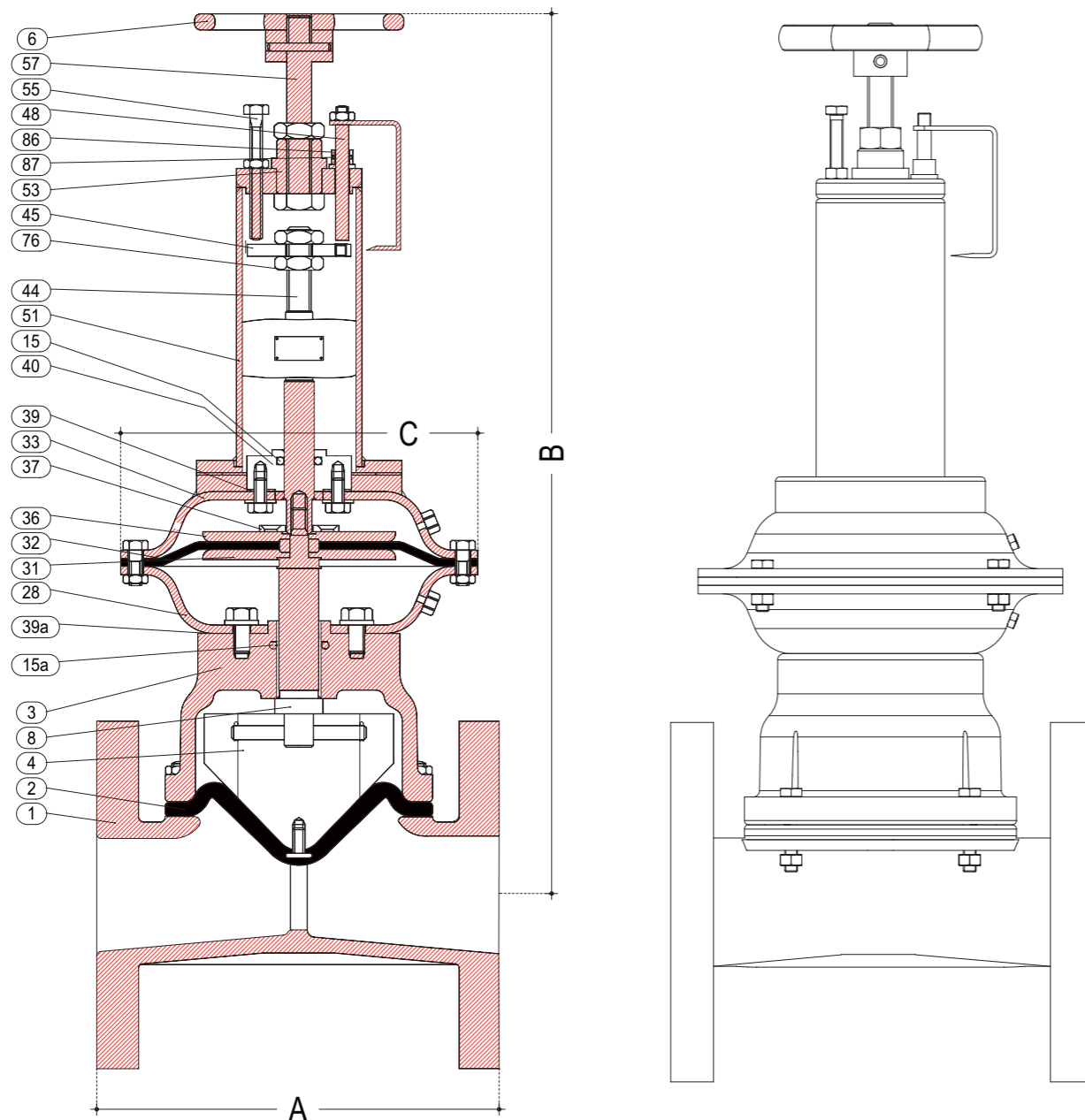
WEIGHT KG		
	C.I. unlined	C.I. ebonite lined
	6,400	7,300
	7,000	7,800
	9,500	10,000
	11,500	12,000
	16,000	17,000
	23,000	24,000
	30,000	30,000
	55,000	57,000
	80,000	82,000
	110,000	112,000
	220,000	222,000
	270,000	276,000
	350,000	364,000

DIMENSIONS C.I. UNLINED				
Ø	B	C (UNLINED)	G (UNI)	G (ASA)
20	230	117	105	98
25	230	127	115	108
30	280	146	140	118
40	330	159	150	127
50	350	190	165	152
60	410	217	185	178
75	450	254	200	190
100	540	305	220	229
125	665	356	250	254
150	710	406	285	280
200	950	520	340	343
250	1180	635	395	406

DIMENSIONS C.I. EBONITE LINED				
Ø	B	L (UNLINED)	G (UNI)	G (ASA)
20	230	123	105	98
25	230	133	115	108
30	280	152	140	118
40	330	165	150	127
50	350	196	165	152
60	410	227	185	178
75	450	260	200	190
100	540	313	220	229
125	665	364	250	254
150	710	414	285	280
200	950	530	340	343
250	1180	645	395	406

Model GS56FB DE REG

DIAPHRAGM VALVES



DETAILS

1	BODY
2	DIAPHRAGM
3	BONNET
4	COMPRESSOR
6	HANDWHEEL
8	STEM
15	O RING
28	BOTTOM CHAMBER
31	BOTTOM SUPPORT PLATE
32	AIR DIAPHRAGM
33	TOP CHAMBER
36	TOP SUPPORT PLATE
37	LOCKING WASHER
39	GASKET
40	SPRING SEAT
44	STEM EXTENSION
45	TOP PLATE
48	POSITION INDICATOR
51	SPRING CHAMBER
53	SLEEVE
55	LIMIT OPENING BOLT OR SCREW
57	SPINDLE
86	INDICATOR BUSH
87	O RING

PRESSURE RATING

refer technical data

Unlined

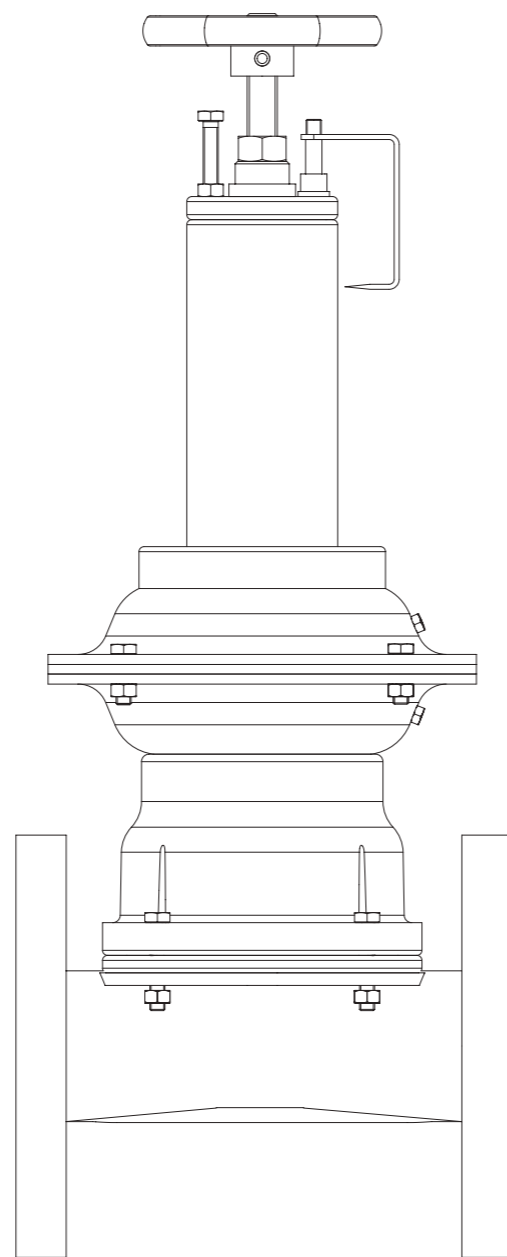
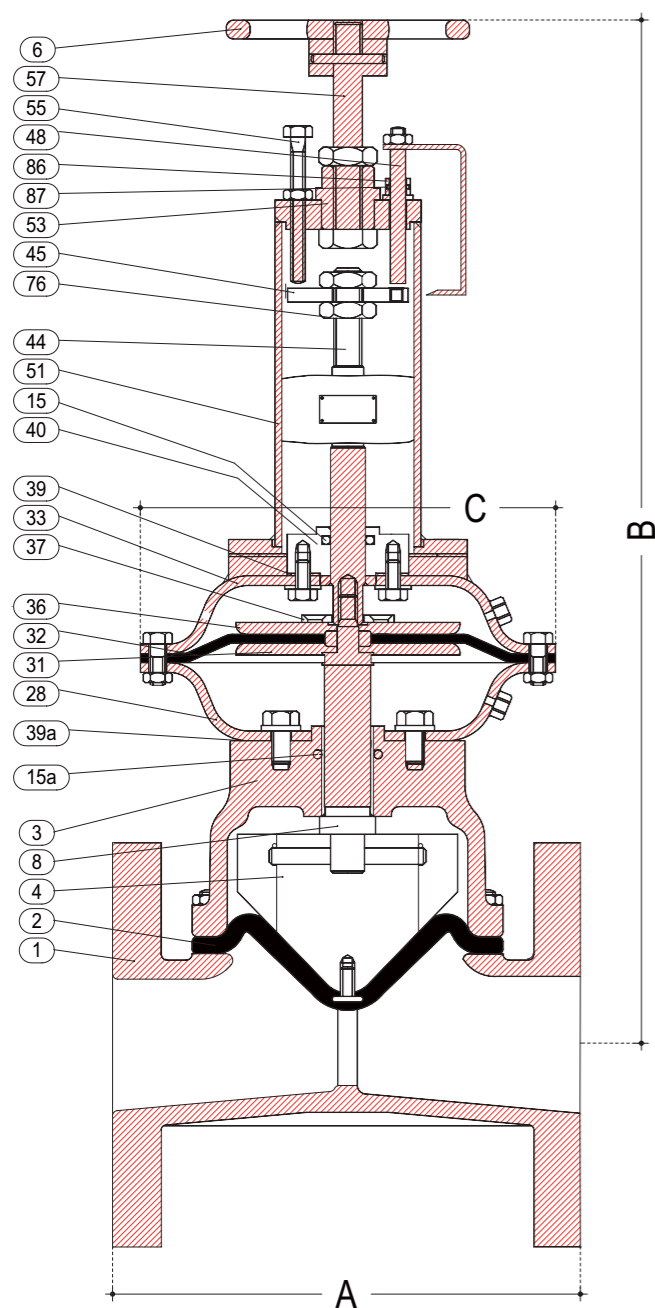
dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C	← B →										
BA13	170	135	140	155	155							
BA23	255			190	190	215	250	260				
BA33	338					240	275	285	320			
BA63	415						300	310	345	415	425	
BA73	462								355	435	445	625
BA83	570									485	495	675
		← A →										
		108	117	127	159	190	216	254	305	356	406	521

Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C	← B →										
BA13	170	135	140	155	155							
BA23	255			190	190	215	250	260				
BA33	338					240	275	285	320			
BA63	415						300	310	345	415	425	
BA73	462								355	435	445	625
BA83	570									485	495	675
		← A →										
		114	123	133	165	196	222	260	313	364	414	529

Model GS56FB DE DIN REG

DIAPHRAGM VALVES



DETAILS

- 1 BODY
- 2 DIAPHRAGM
- 3 BONNET
- 4 COMPRESSOR
- 6 HANDWHEEL
- 8 STEM
- 15 O RING
- 28 BOTTOM CHAMBER
- 31 BOTTOM SUPPORT PLATE
- 32 AIR DIAPHRAGM
- 33 TOP CHAMBER
- 36 TOP SUPPORT PLATE
- 37 LOCKING WASHER
- 39 GASKET
- 40 SPRING SEAT
- 44 STEM EXTENSION
- 45 TOP PLATE
- 48 POSITION INDICATOR
- 51 SPRING CHAMBER
- 53 SLEEVE
- 55 LIMIT OPENING BOLT OR SCREW
- 57 SPINDLE
- 86 INDICATOR BUSH
- 87 O RING

PRESSURE RATING

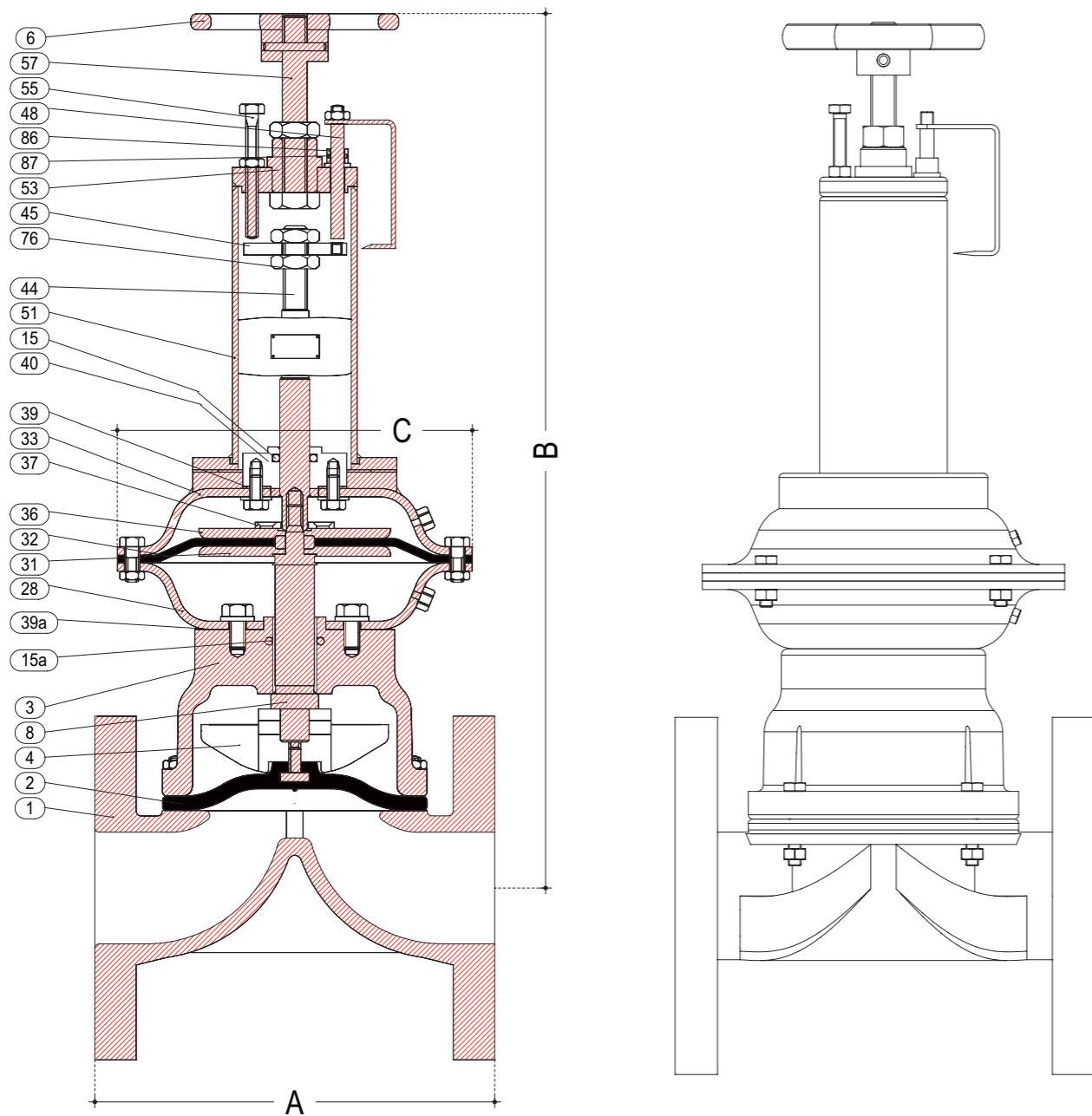
refer technical data

Unlined/Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C ← B →											
BA13	170	135	140	155	155							
BA23	255			190	190	215	250	260				
BA33	338					240	275	285	320			
BA63	415						300	310	345	415	425	
BA73	462							355	435	445	625	
BA83	570								485	495	675	
	← A →											
	130	150	160	200	230	290	310	350	400	480	600	

Model GS56DE REG

DIAPHRAGM VALVES



DETAILS

- 1 BODY
- 2 DIAPHRAGM
- 3 BONNET
- 4 COMPRESSOR
- 6 HANDWHEEL
- 8 STEM
- 15 O RING
- 28 BOTTOM CHAMBER
- 31 BOTTOM SUPPORT PLATE
- 32 AIR DIAPHRAGM
- 33 TOP CHAMBER
- 36 TOP SUPPORT PLATE
- 37 LOCKING WASHER
- 39 GASKET
- 40 SPRING SEAT
- 44 STEM EXTENSION
- 45 TOP PLATE
- 48 POSITION INDICATOR
- 51 SPRING CHAMBER
- 53 SLEEVE
- 55 LIMIT OPENING BOLT OR SCREW
- 57 SPINDLE
- 86 INDICATOR BUSH
- 87 O RING

PRESSURE RATING

refer technical data

Unlined

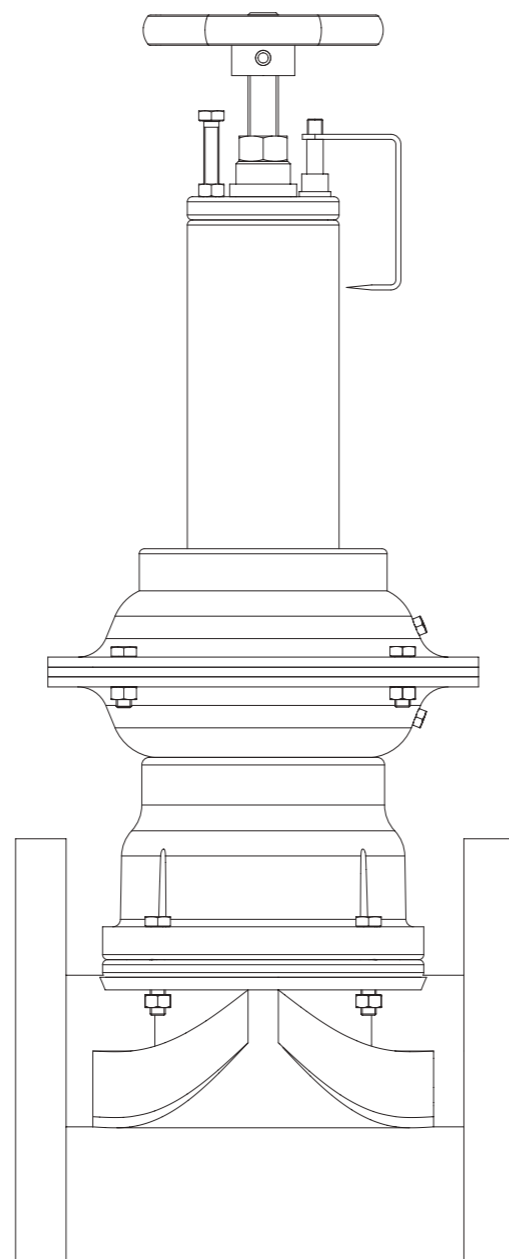
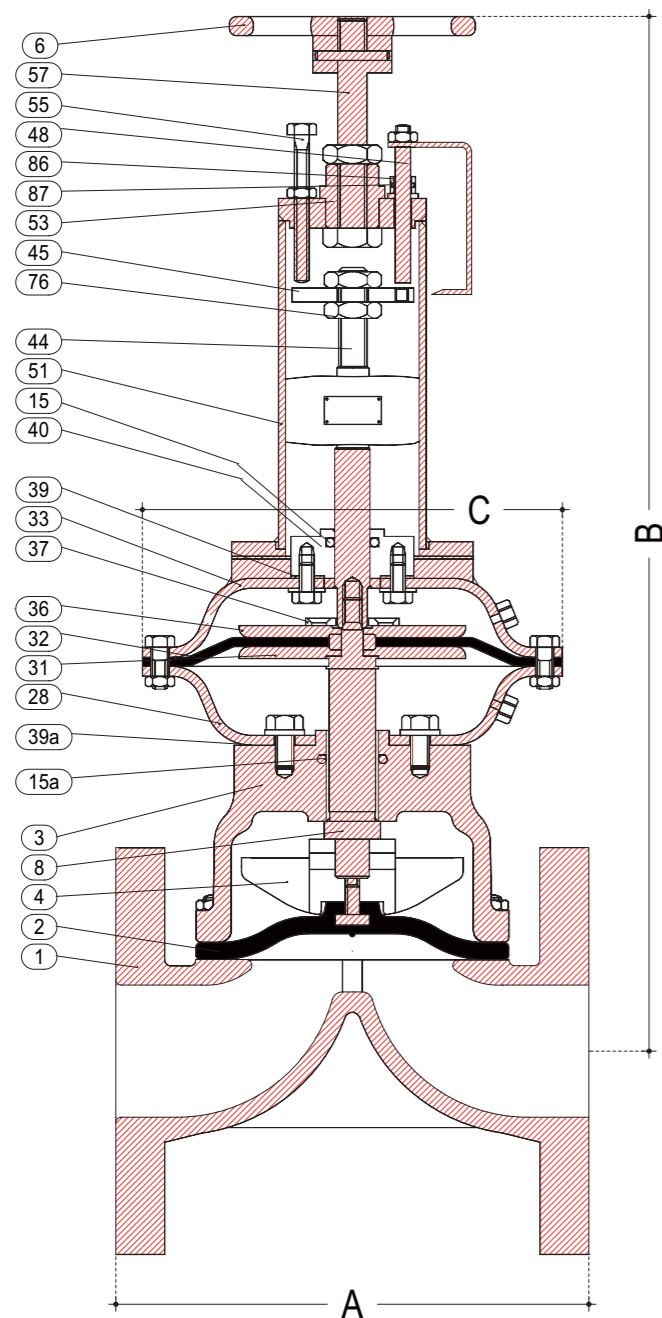
dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C ← B →											
BA13	170	125	135	145	170	185						
BA23	255			180	205	220	240	260	285	320		
BA33	338			205	230	245	265	285	310	340	395	480
BA63	415						290	310	335	365	415	500
BA73	462							320	345	375	425	510
BA83	570								390	420	470	555
	← A →											
	108	117	127	159	190	216	254	305	356	406	521	635

Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C ← B →											
BA13	170	125	135	145	170	185						
BA23	255			180	205	220	240	260	285	320		
BA33	338			205	230	245	265	285	310	340	395	480
BA63	415						290	310	335	365	415	500
BA73	462							320	345	375	425	510
BA83	570								390	420	470	555
	← A →											
	114	123	133	165	196	222	260	313	364	414	529	645

Model GS56DE DIN REG

DIAPHRAGM VALVES



DETAILS

- 1 BODY
- 2 DIAPHRAGM
- 3 BONNET
- 4 COMPRESSOR
- 6 HANDWHEEL
- 8 STEM
- 15 O RING
- 28 BOTTOM CHAMBER
- 31 BOTTOM SUPPORT PLATE
- 32 AIR DIAPHRAGM
- 33 TOP CHAMBER
- 36 TOP SUPPORT PLATE
- 37 LOCKING WASHER
- 39 GASKET
- 40 SPRING SEAT
- 44 STEM EXTENSION
- 45 TOP PLATE
- 48 POSITION INDICATOR
- 51 SPRING CHAMBER
- 53 SLEEVE
- 55 LIMIT OPENING BOLT OR SCREW
- 57 SPINDLE
- 86 INDICATOR BUSH
- 87 O RING

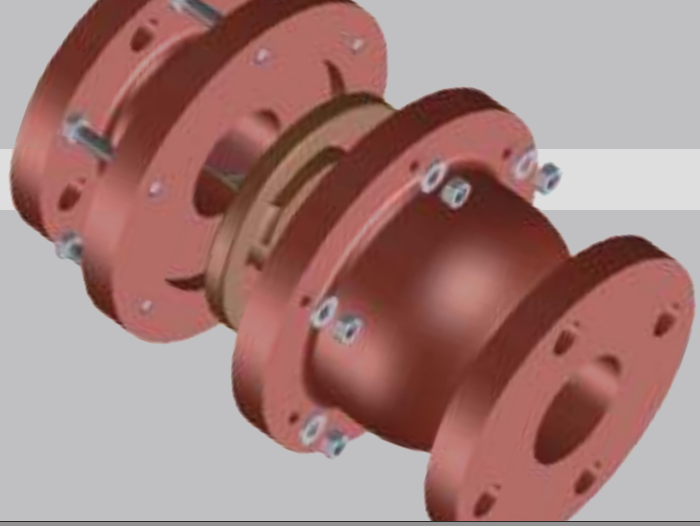
PRESSURE RATING

refer technical data

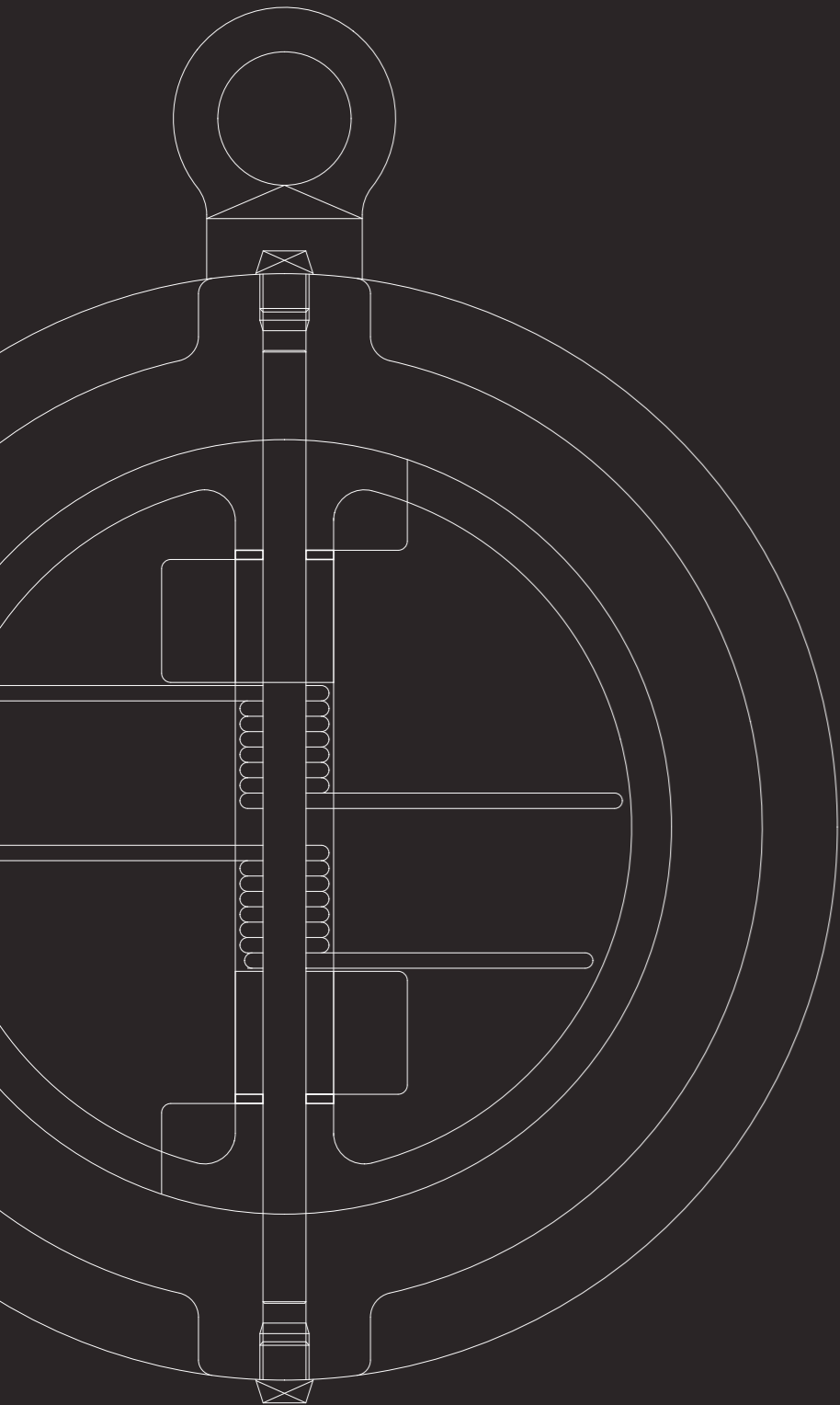


Unlined/Lined

dn	15	20	25	40	50	65	80	100	125	150	200	250
Act Model	C ← B →											
BA13	170	125	135	145	170	185						
BA23	255			180	205	220	240	260	285	320		
BA33	338			205	230	245	265	285	310	340	395	480
BA63	415						290	310	335	365	415	500
BA73	462							320	345	375	425	510
BA83	570								390	420	470	555
	← A →											
	130	150	160	200	230	290	310	350	400	480	600	730

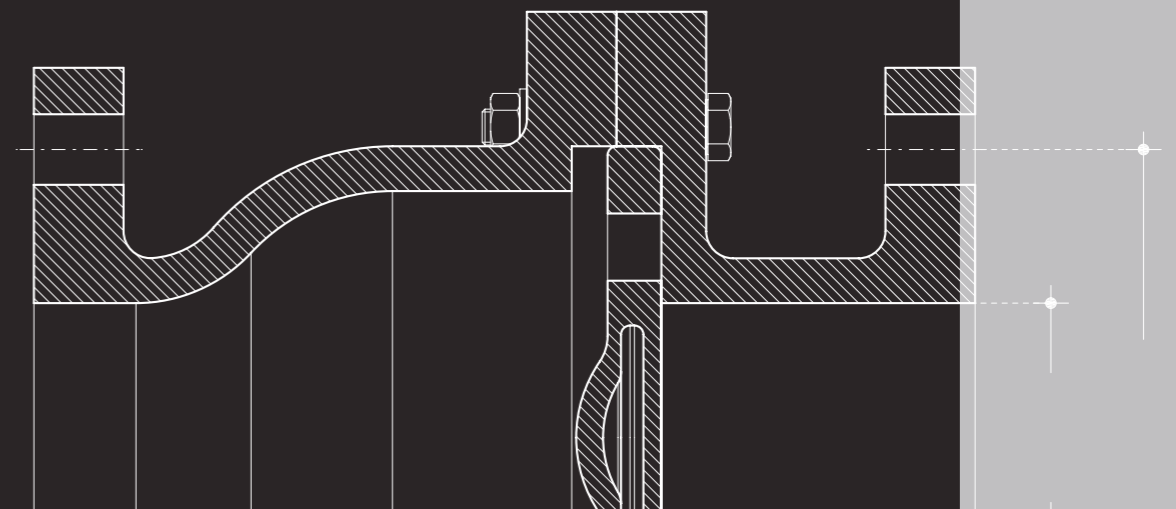


CHECK VALVES



VALVOLE CHECK 136

Mod.	GS45 HW	pag. 140
Mod.	GS80 REG	pag. 142
Mod.	GS81 REG	pag. 144
Mod.	GS45 REG	pag. 146
Mod.	GS82 REG	pag. 148
Mod.	GS83 REG	pag. 150
Mod.	GS85 _{SW/BW/SE} REG	pag. 152
Mod.	GS86 REG	pag. 154





THE ANSWER TO PROBLEMS OF: CORROSION, ABRASION, CLOGGING, CONTAMINATION, VACUUM & GAS HANDLING

G&O Check valve are designed to standards of maximum simplicity and efficiency. The valve body can be supplied, on indications from customers, to fulfil specific requirements in use.

PRODUCT FEATURES

- Simple three parts design for Non return Check valves, with only one moving part (disc), valve usable in vertical or horizontal plane
- Light weight for Wafer type Check valves, bubble tight, low pressure loss. The eccentric shaft connection in combination with disc seat, guarantees a positive shut off of the returning medium.
- Light weight for Spring Loaded Check valve, short length, low pressure drop and positive shut-off, achieved by unique spring loaded disc.
- Dual Plate and Non-Slam Check valves are stronger, lighter and smaller than conventional swing check valves.
- Pressure Rating 7.0 bar, Class 150, 300, 600, 900, 1500, 2500
- Size from 1/2" through 64"

PERFORMANCE FEATURES

- Valves with most advanced design Features provide the ultimate in dependable, economic flow control
- Surface protection for ductile iron and cast steel Valves, Chlorine free prime coat with modified alkyd resin unobjectionable in physiological and toxicological respects. Additional external coating: Enamel/Silver Streak aluminium paint

BODY VALVE MATERIALS

- ASTM A126 CLASS C - PVDF, PPH
- ASTM A395
- ASTM A216 WCB
- ASTM A351 CF8, CF8M, CF3, CF3M
- ASTM A105
- ASTM A182 F11, F22, F5, F9, F304, F316

DISC & PLUG MATERIALS:

- ASTM A276 Type 410, 304, 316 - PVDF, PPH
- ASTM A217 CA15
- ASTM A216 WCB
- ASTM A351 CF8, CF8M, CF3, CF3M
- ASTM A395

GASKET O-RING VALVE MATERIAL

- Spiral Wound 304, 316 with CAF
- Graphite
- PTFE filled
- EPDM (Other grades available on request)
- Compressed Asbestos free

BODY VALVE LINING MATERIAL:

- Soft rubber
- Hard rubber (ebonite)
- Hypalon rubber
- ECTFE/HALAR
- Butyl rubber
- EPDM rubber
- Neoprene rubber
- PFA

DESIGN/TESTING APPLICABLE STANDARD

- G&O STD
- API 594
- BS 5352
- API 6D
- API 598

END CONNECTIONS APPLICABLE STANDARD

- ANSI/ASME B16.5 Flanged Valves
- ANSI/ASME B16.1 Flanged Fittings
- ANSI/ASME B1.20.1 (NPT) Pipe Threads
- ANSI/ASME B16.34 Steel Valves
- ANSI/ASME B16.11 Socketweld Fittings
- ANSI/ASME B16.25 Buttweld Ends

CERTIFICATES AVAILABLE

- EN 10204 3.1B- EN 10204 2.2 -LP/MP TESTS

INSPECTION TESTS AVAILABLE BY

- SGS GLOBAL TRADE SOLUTIONS
- ITS INTERTEK TESTING SERVICES
- BV BUREAU VERITAS

MAJOR MARKETS SERVED

- Chemical process
- Power generation
- Water treatment
- Mining
- Pulp & Paper
- Nuclear
- Pharmaceutical
- Food & Beverage
- Bioprocess

OPTIONS

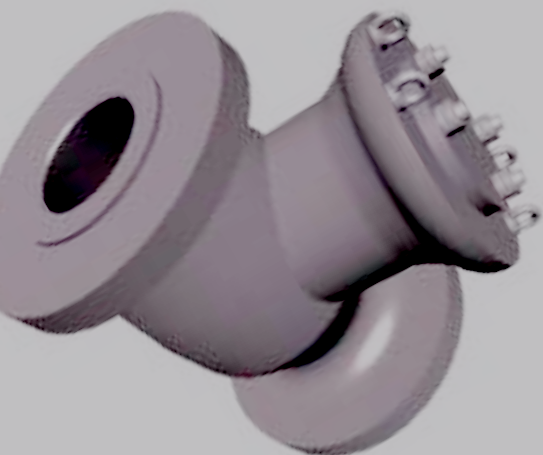
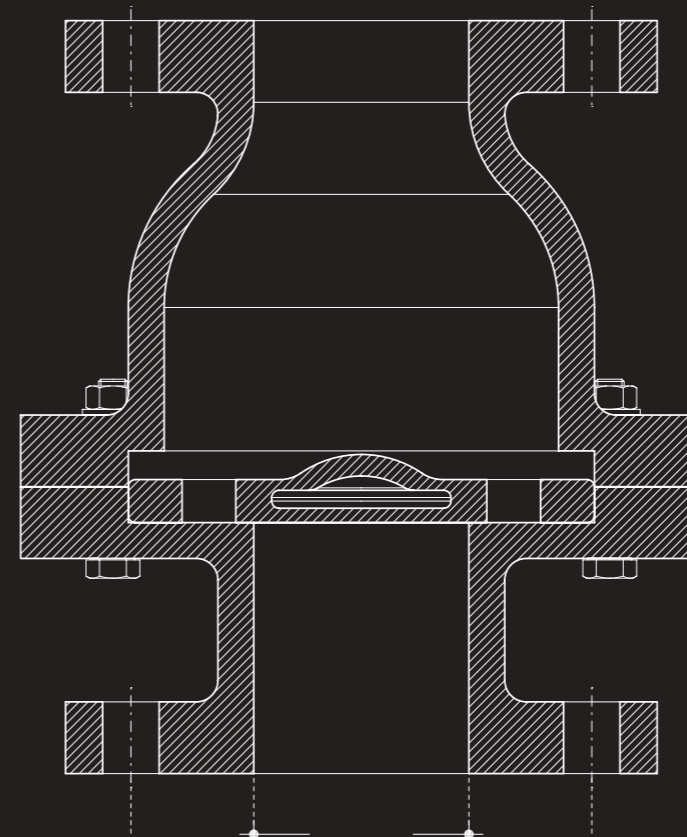
- Limit switches
- Solenoid valve
- Position indicator
- Air filter regulator
- 3:1.5 PSI positioner
- 4:20mA electropneumatic positioner or 4:20mA electronic transmitter of position 30°-90° angle
- Triphase AC motor

G&O SERIES PNEUMATIC ACTUATORS

Piston type air operators line offer a great solution to a wide range of actuation situations. They are exclusively designed to G&O series butterfly valves and can be mounted in any position. These actuators are built in aluminium and are available in three options:

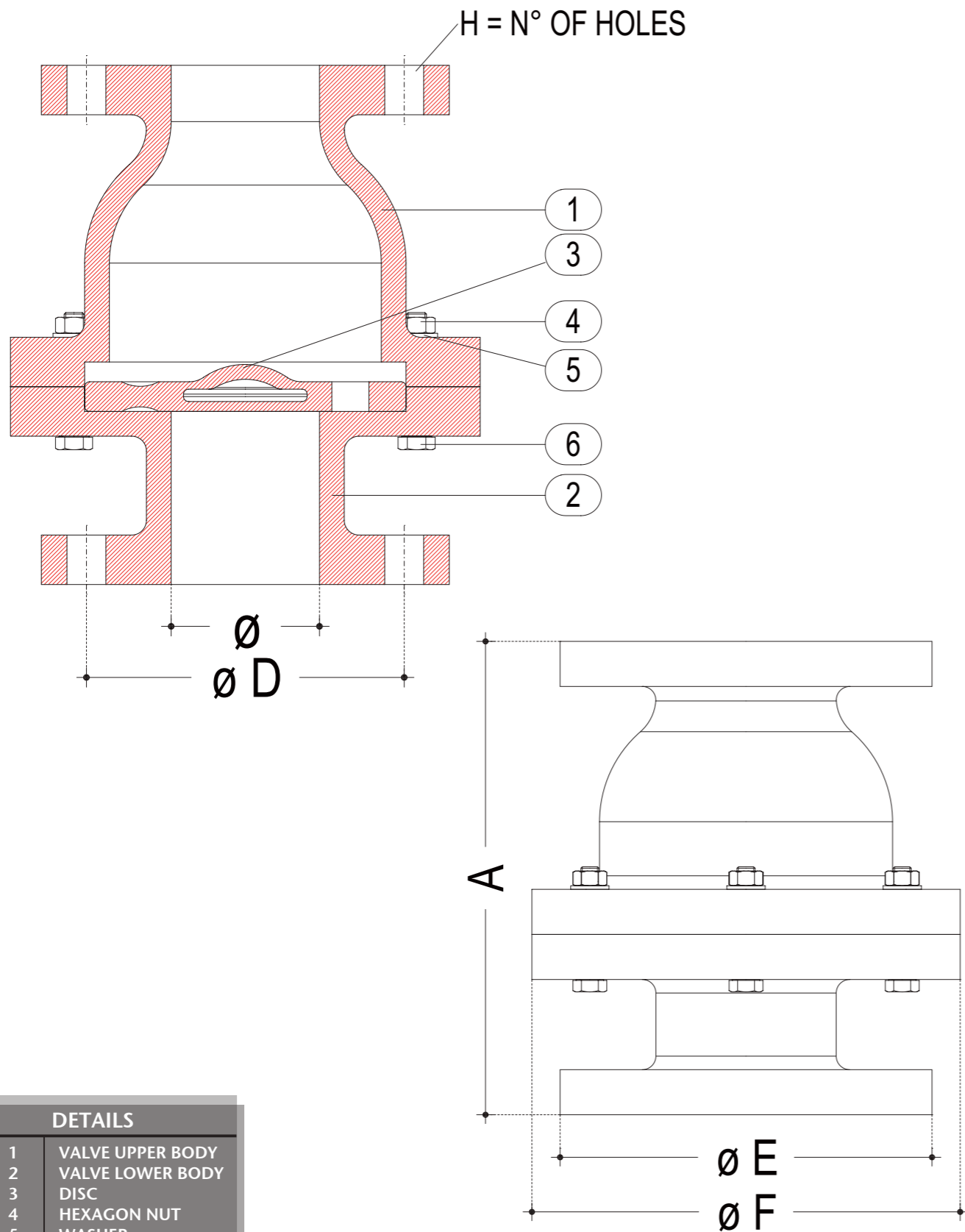
- single effect acting - fail to close (air to open)
- single effect acting - fail to open (air to close)
- double effect acting - fail to open & fail to close

Single effect acting actuators are fitted by an extractable handwheel for security.

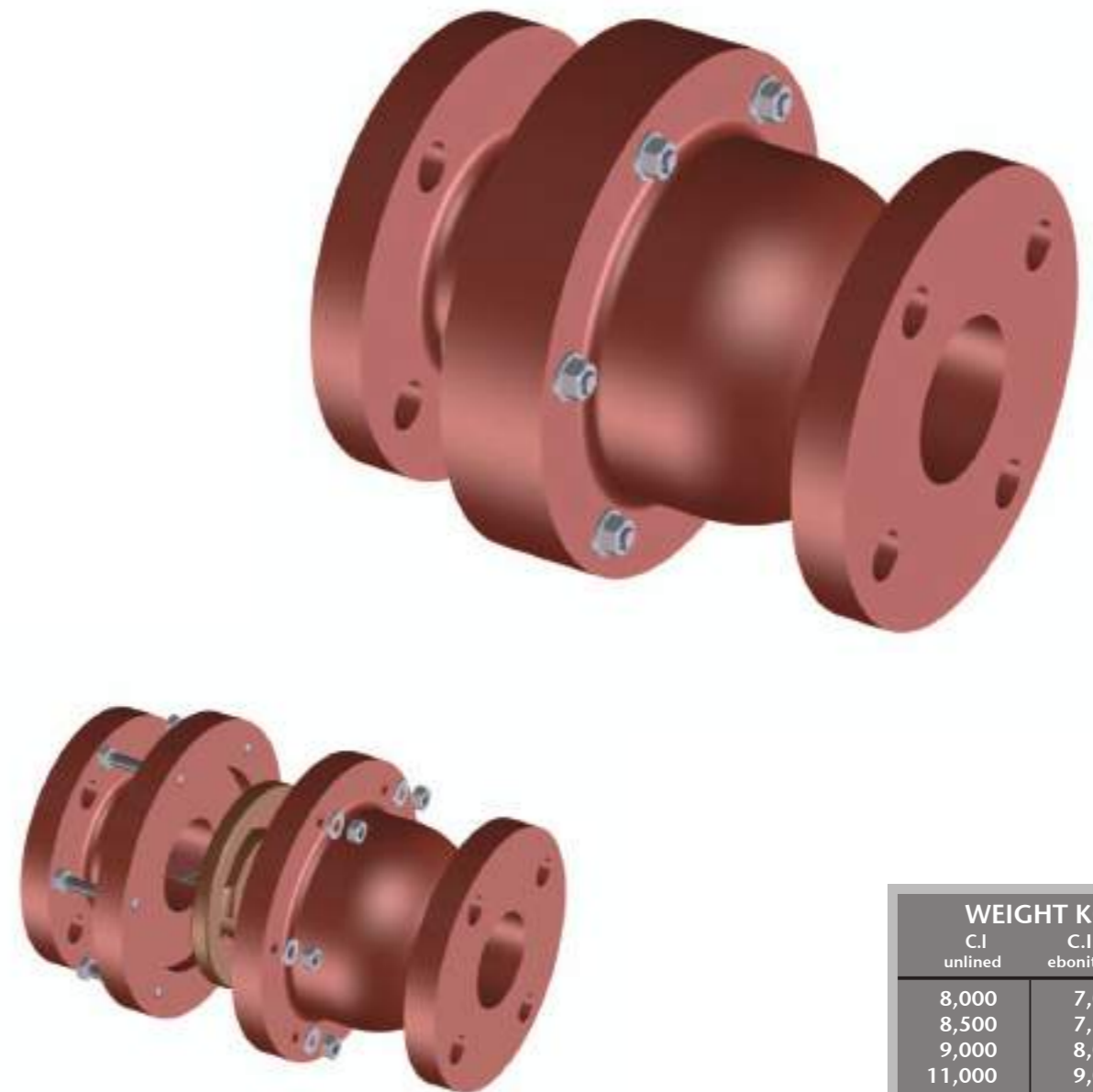


Model GS45 HW

CHECK VALVES



DETAILS	
1	VALVE UPPER BODY
2	VALVE LOWER BODY
3	DISC
4	HEXAGON NUT
5	WASHER
6	HEXAGON BOLT



WEIGHT KG	
C.I. unlined	C.I. ebonite lined
8,000	7,000
8,500	7,500
9,000	8,000
11,000	9,000
14,000	11,000
17,000	15,000
22,000	18,000
25,000	28,000
30,000	34,000
46,000	50,000
71,000	78,000
140,000	146,000

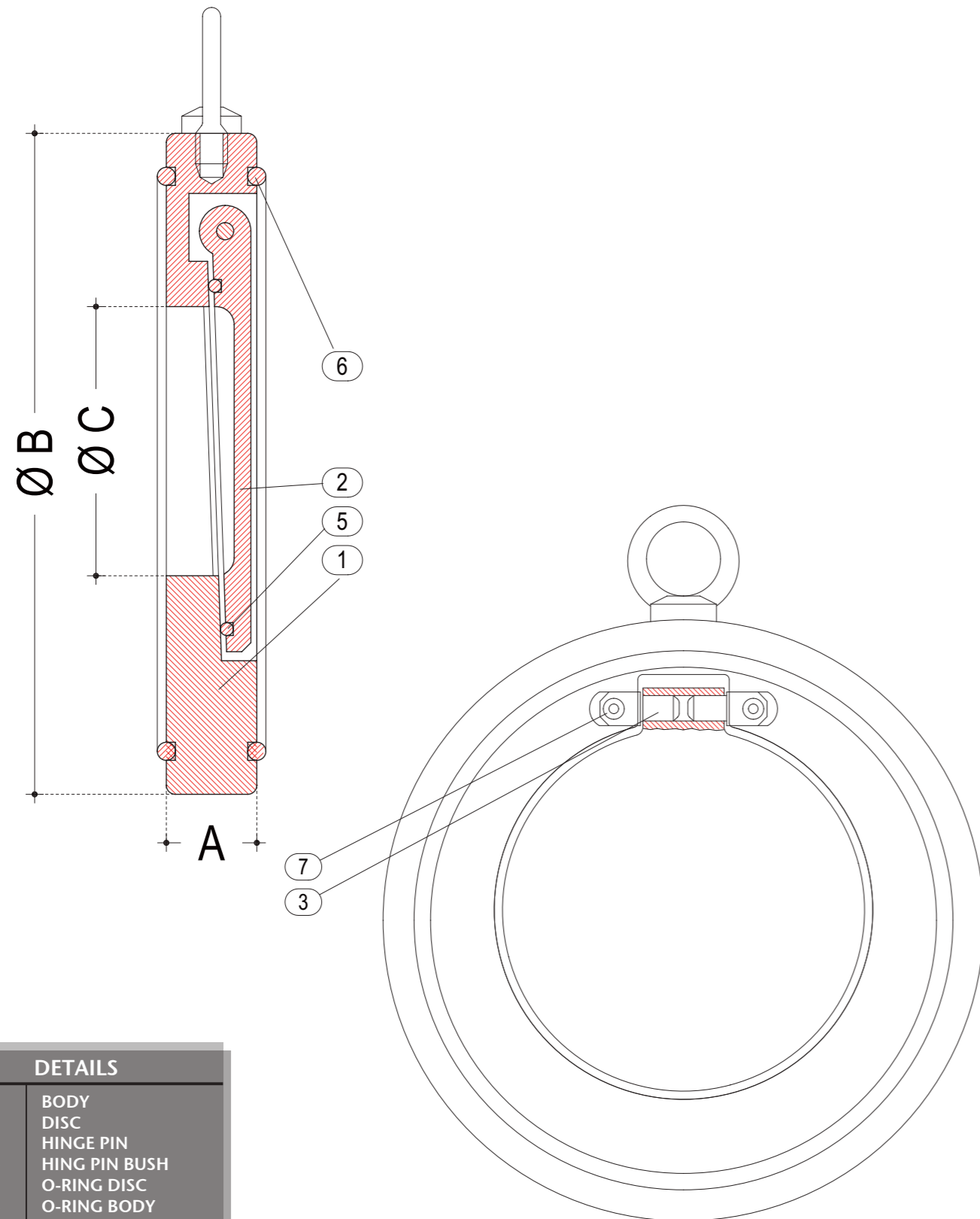
DIMENSIONS C.I. UNLINED				
\emptyset	A	E	F	D
20	150	105	140	75
25	150	115	140	85
30	170	140	160	100
40	195	150	175	110
50	210	165	190	125
65	230	185	210	145
80	245	200	260	160
100	245	220	300	180
125	305	250	340	210
150	337	285	385	240
200	410	340	450	295
250	560	395	520	350

DIMENSIONS C.I. EBONITE LINED				
\emptyset	A	E	F	D
20	150	105	140	75
25	150	115	140	85
30	170	140	160	100
40	195	150	175	110
50	210	165	190	125
65	230	185	210	145
80	245	200	260	160
100	245	220	300	180
125	305	250	340	210
150	337	285	385	240
200	410	340	450	295
250	560	395	520	350

TEST PRESSURE IN BAR	
PRESSURE RATING	Pn7
HYD SHELL	11
SEAT	7
AIR SEAT	-

Model GS80 REG

WAFER CHECK VALVES



DETAILS	
1	BODY
2	DISC
3	HINGE PIN
4	HING PIN BUSH
5	O-RING DISC
6	O-RING BODY
7	CSK SCREW

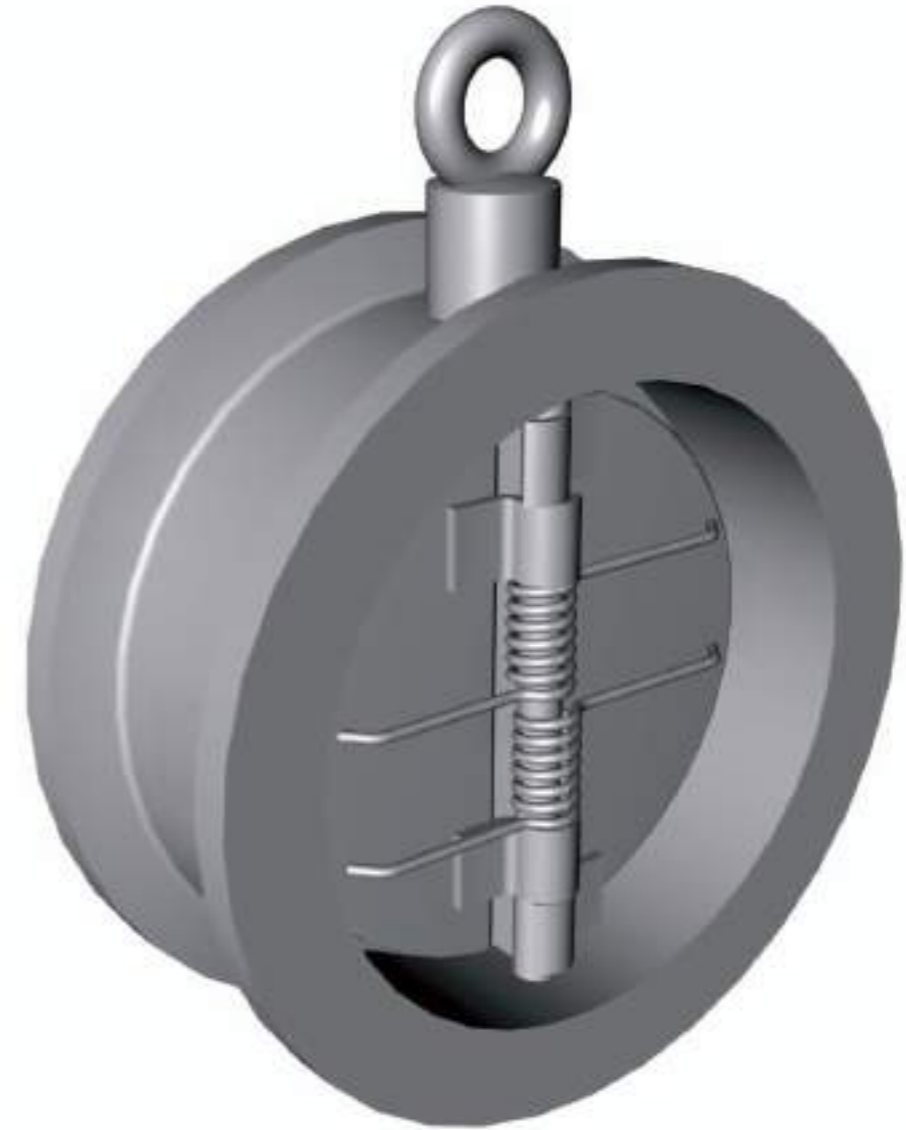
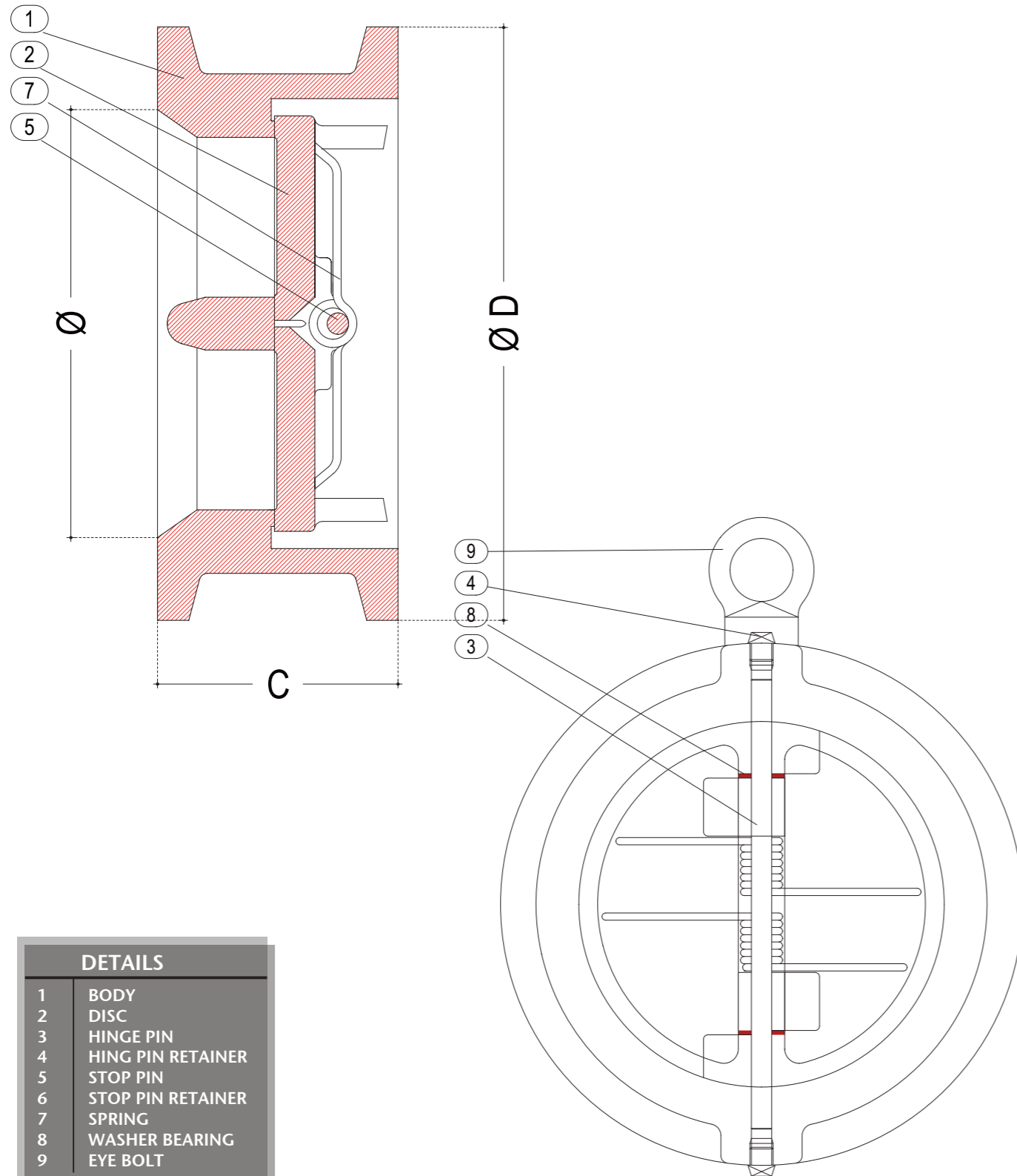
WEIGHT KG	
0,60	
0,70	
0,90	
1,20	
1,50	
2,40	
3,40	
4,60	
7,50	
13,10	
20,40	
32,00	
48,00	
63,00	
87,00	
130,00	
240,00	
310,00	
445,00	
640,00	
1.075,00	
1.700,00	
2.650,00	

TEST PRESSURE IN BAR			
CLASS	Pn10	PN16	ANSI150
HYD SHELL	15	24	30
SEAT	11	16	22
AIR SEAT	-	-	-

DIMENSIONS					
DN	A	B PN 10	B PN 16	B ANSI 150	Ø C
32	14	84	84	76	17
40	14	95	95	86	22
50	14	109	109	10	32
65	14	129	129	124	40
80	14	144	144	137	54
100	18	164	164	175	70
125	18	195	195	197	92
150	20	220	220	222	112
200	22	275	275	279	154
250	26	330	332	339	200
300	32	380	387	409	240
350	38	440	447	450	270
400	44	490	495	514	310
450	50	540	557	548	360
500	56	595	617	605	405
600	62	695	734	715	486
700	89	#	#	828,5	510
800	102	#	#	937	610
900	127	#	#	1045	700
1000	146	#	#	1159	770
1200	172	#	#	1381	965
1400	203	#	#	1603	1100
1600	229	#	#	1724	1250

Model GS81 REG

DUAL PLATE WAFER CHECK VALVES



DETAILS	
1	BODY
2	DISC
3	HINGE PIN
4	HINGE PIN RETAINER
5	STOP PIN
6	STOP PIN RETAINER
7	SPRING
8	WASHER BEARING
9	EYE BOLT

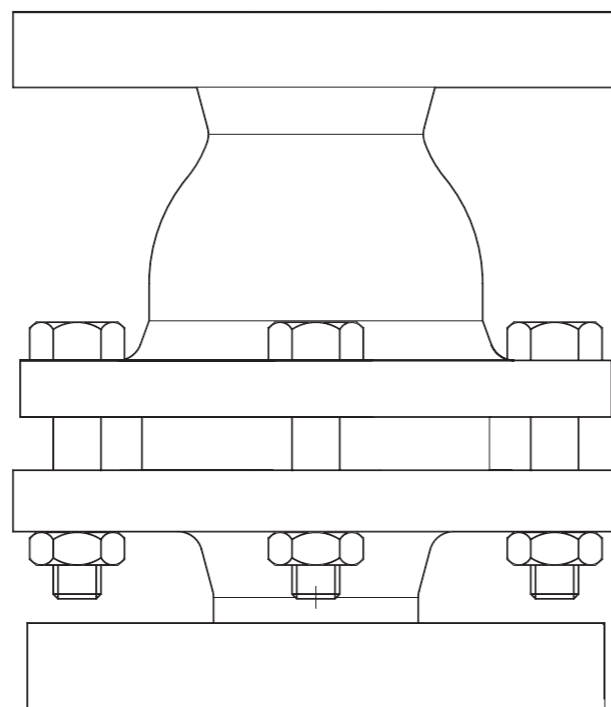
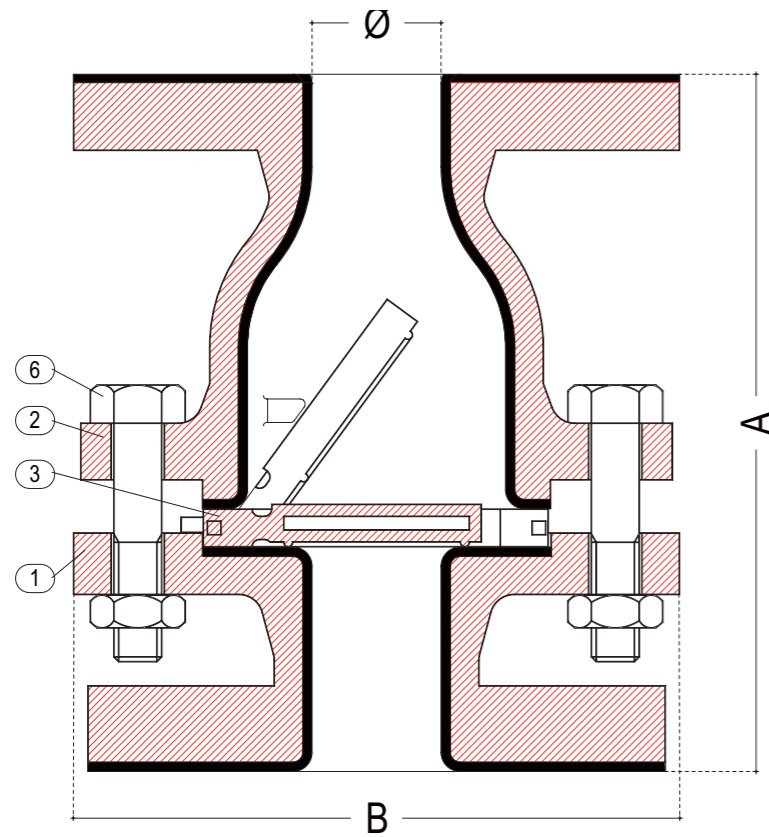
TEST PRESSURE IN BAR			
CLASS	Pn10	PN16	ANSI150
HYD SHELL	15	24	30
SEAT	11	16	22
AIR SEAT	-	-	-

WEIGHT KG
1,50
2,40
3,80
5,00
6,80
8,00
15,00
27,00
34,00

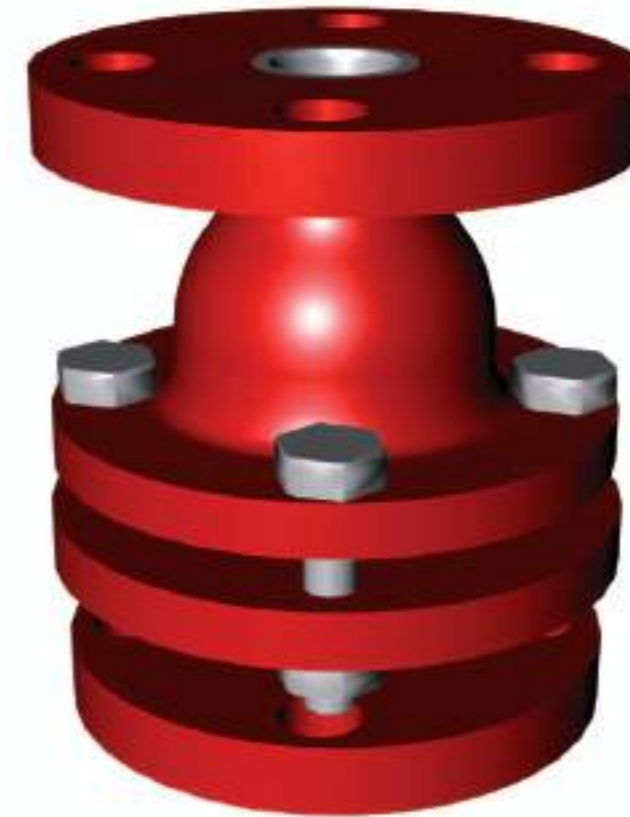
DIMENSIONS			
DN	C	D PN 10-16	D ANSI 150
50	54	109	#
65	54	129	#
80	57	144	#
100	64	164	#
125	70	194	#
150	76	220	#
200	95	275	#
250	108	330	#
300	144	380	#

Model GS45 REG

NON RETURN CHECK VALVES



DETAILS	
1	BODY
2	END PIECE
3	DISC
6	BOLT/NUTS



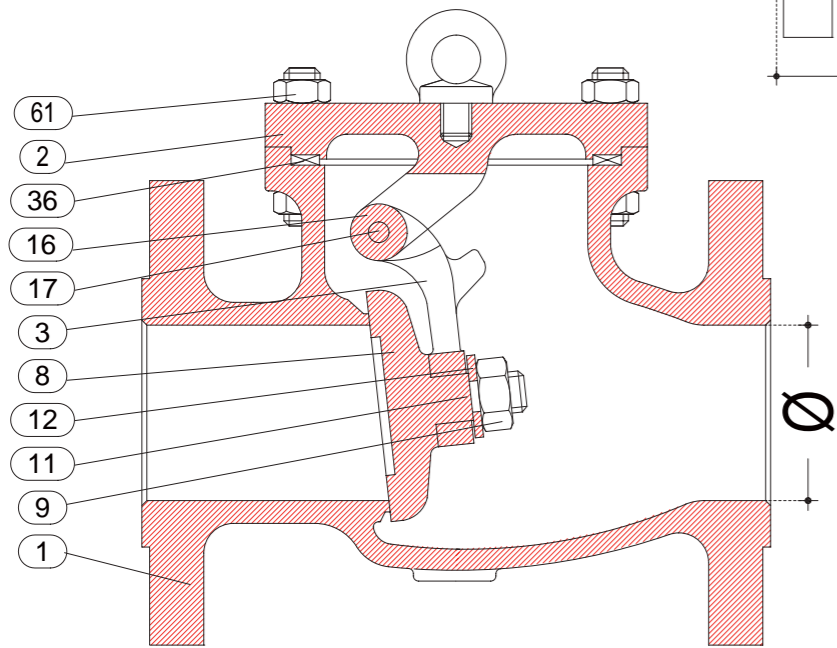
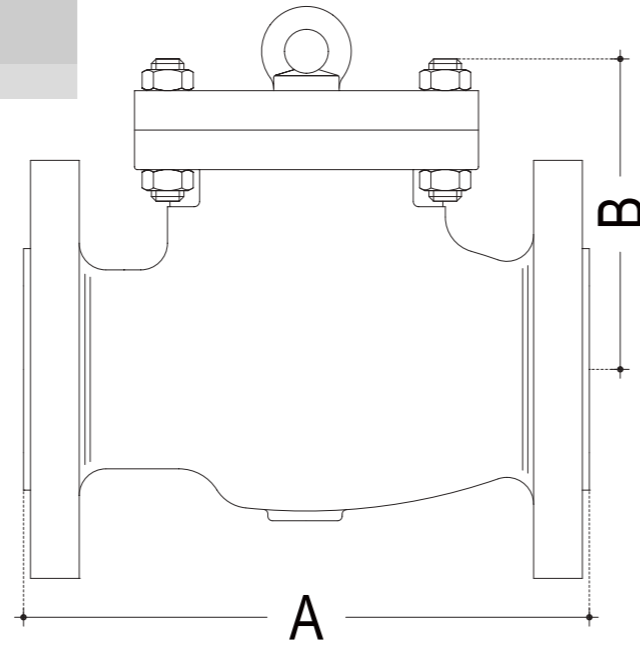
TEST PRESSURE IN BAR	
PRESSURE RATING	Pn7
HYD SHELL	11
SEAT	7
AIR SEAT	-

WEIGHT KG	
	4,00
	7,00
	8,50
	14,00
	20,00
	34,00
	56,00
	103,00
	190,00
	310,00

DIMENSIONS			
DN	A UNLINED	A RUBBER LINED	B
25	144	150	124
40	174	180	144
50	194	200	166
65	234	240	220
80	254	260	220
100	292	300	270
150	392	400	322
200	492	500	396
250	590	600	500
300	690	700	554

Model GS82 REG

SWING CHECK VALVES



DIMENSIONS CLASS 300		
DN	A	B
40	241	95
50	267	120
65	292	132
80	318	150
100	356	170
125	400	210
150	444	210
200	533	255
250	622	305
300	711	350
350	838	390
400	864	530
450	978	590
500	1016	655
600	1346	790

WEIGHT KG CLASS 300	
40	10,50
50	18,00
65	21,00
80	34,00
100	54,00
125	75,00
150	106,00
200	160,00
250	254,00
300	355,00
350	620,00
400	680,00
450	1.250,00
500	1.460,00
600	2.055,00

TEST PRESSURE IN BAR				
CLASS	150	300	600	Pn10
HYD SHELL	30	77	155	15
SEAT	22	57	113	10
MIN. SEAT	5,5	14	28	-

DIMENSIONS CLASS 150		
DN	A	B
40	165	95
50	203	115
65	216	120
80	241	135
100	292	150
125	330	170
150	356	195
200	495	220
250	622	260
300	698	310
350	787	365
400	864	505
450	978	565
500	978	601
600	1295	740

WEIGHT KG CLASS 150	
40	6,80
50	11,50
65	17,00
80	25,00
100	41,00
125	56,00
150	73,00
200	103,00
250	160,00
300	224,00
350	350,00
400	472,00
450	535,00
500	870,00
600	1.090,00

DIMENSIONS CLASS 600		
DN	A	B
50	292	138
65	330	145
80	356	165
100	432	190
125	508	220
150	559	255
200	660	300
250	787	335
300	838	395

WEIGHT KG CLASS 600	
50	25,00
65	32,00
80	62,00
100	115,00
125	165,00
150	210,00
200	355,00
250	580,00
300	725,00

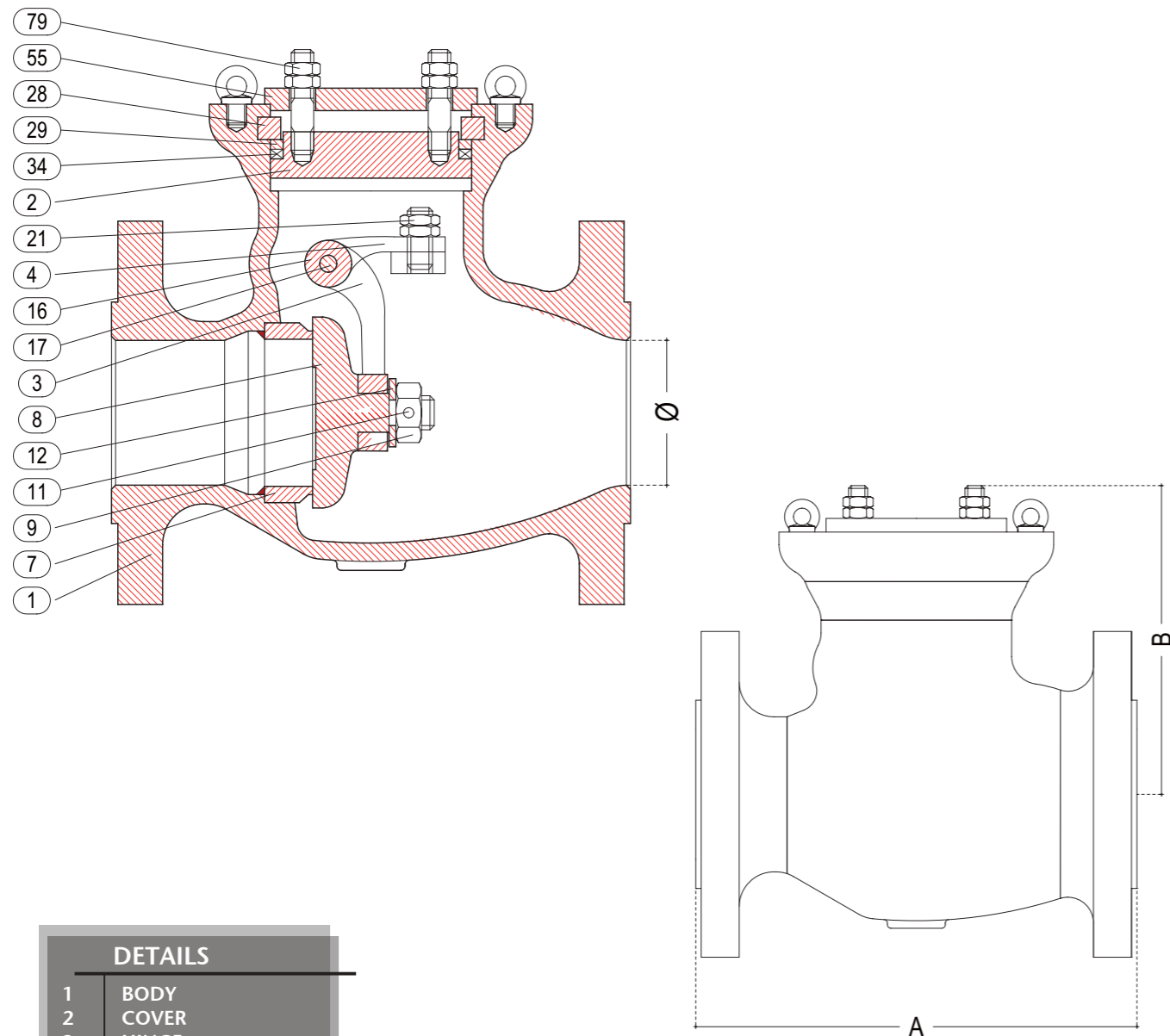
DIMENSIONS CLASS PN 10		
DN	A	B
50	200	140
65	240	142
80	260	165
100	300	175
125	350	198
150	400	228
200	500	245
250	600	302
300	700	365

WEIGHT PN 10	
50	16,00
65	21,00
80	27,00
100	45,00
125	57,00
150	80,00
200	125,00
250	185,00
300	260,00

DETAILS	
1	BODY
2	COVER
3	HINGE
8	DISC
9	DISC NUT
11	PIN-DISC NUT
12	DISC WASHER
16	SPACER WASHER
17	HINGE PIN
36	GASKET
61	STUD/NUT

Model GS83 REG

SWING CHECK VALVES



DETAILS	
1	BODY
2	COVER
3	HINGE
4	BRACKET
7	SEAT RING
8	DISC WASHER
9	DISC NUT
11	SPLIT-PIN, DISC NUT
12	WASHER - DISC
16	SPACER WASHER
17	HINGE PIN
21	STUD/LOCK NUT
28	SEGMENT RING
29	SUPPORT RING
34	PRESSURE SEAL RING
55	COVER RETAINER
79	STUD/NUT/LK NUT
	COVER TO COVER RET

DIMENSIONS CLASS 900			WEIGHT KG CLASS 900
DN	A	B	
80	381	235	97,00
100	457	265	110,00
125	559	310	135,00
150	610	325	150,00
200	737	440	305,00
250	838	535	750,00
300	965	630	1.040,00

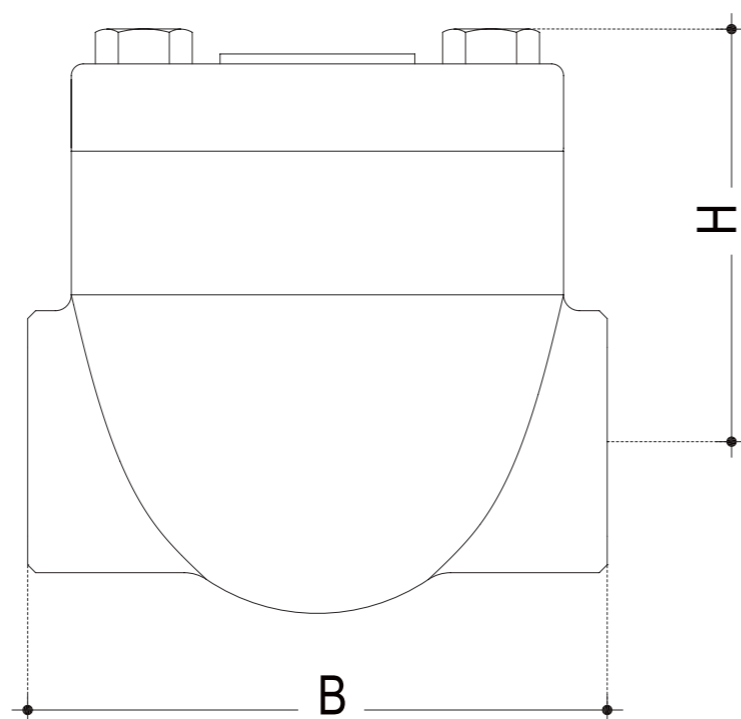
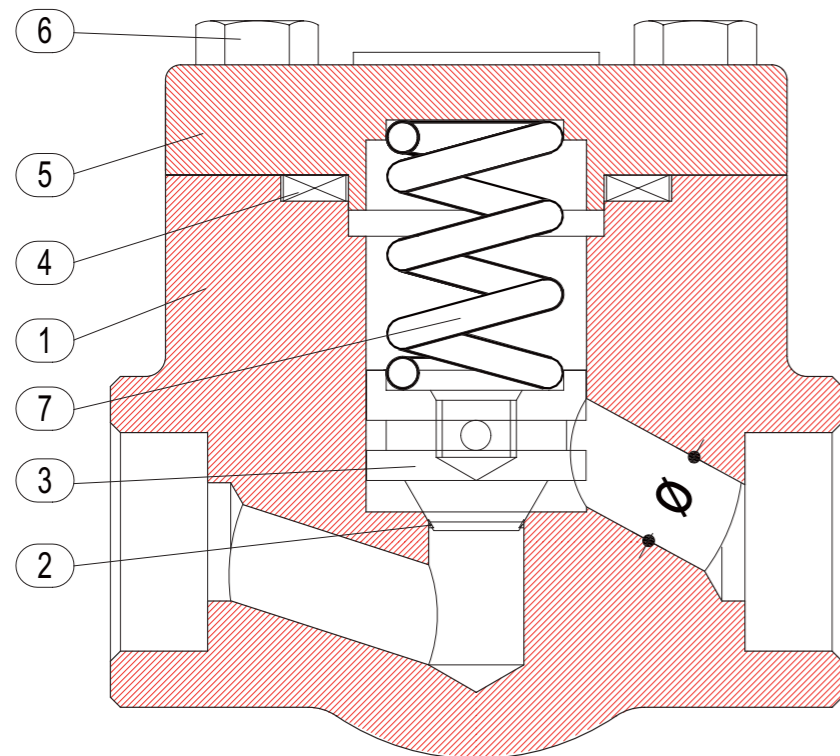
DIMENSIONS CLASS 1500			WEIGHT KG CLASS 1500
DN	A	B	
50	368	180	50,00
65	419	195	60,00
80	470	235	89,00
100	546	265	130,00
125	673	310	165,00
150	705	325	210,00
200	832	460	565,00
250	991	535	1.000,00
300	1130	630	1.420,00

TEST PRESSURE IN BAR			
CLASS	900	1500	2500
HYD SHELL	200	384	647
SEAT	169	282	474
AIR SEAT	42	70,5	118,5

DIMENSIONS CLASS 2500			WEIGHT KG CLASS 2500
DN	A	B	
50	279	175	43,00
80	368	230	91,00
100	457	260	125,00
150	610	330	274,00
200	762	410	480,00

Model GS85 SW/BW/SE

FORGED CHECK VALVES



DETAILS	
1	BODY
2	SEAT RING
3	DISC
4	GASKET
5	COVER
6	STUD/NUT
7	SPRING

DIMENSIONS CLASS 800				
DN	B Sb	B Rb	H Sb	H Rb
8	88	88	54	54
10	88	88	54	54
15	92	88	66	54
20	106	92	72	66
25	140	106	102	72
32	140	140	108	102
40	170	140	108	102
50	-	170	-	108

WEIGHT KG CLASS 800 Sb	
8	2,03
10	2,03
15	2,03
20	2,67
25	6,20
32	8,00
40	8,90

WEIGHT KG CLASS 800 Rb	
8	1,70
10	1,62
15	1,62
20	2,03
25	2,67
32	6,00
40	6,20
50	8,90

DIMENSIONS CLASS 1500		
DN	B	H
15	88	54
20	92	68
25	106	72
40	128	102
50	140	112

WEIGHT KG CLASS 1500	
15	1,60
20	2,40
25	2,90
40	9,00
50	9,60

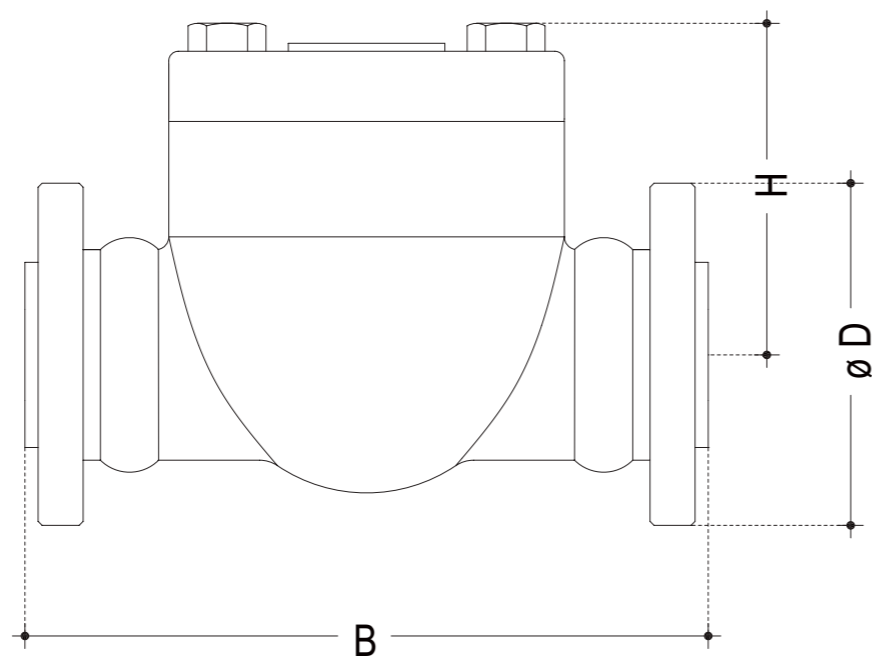
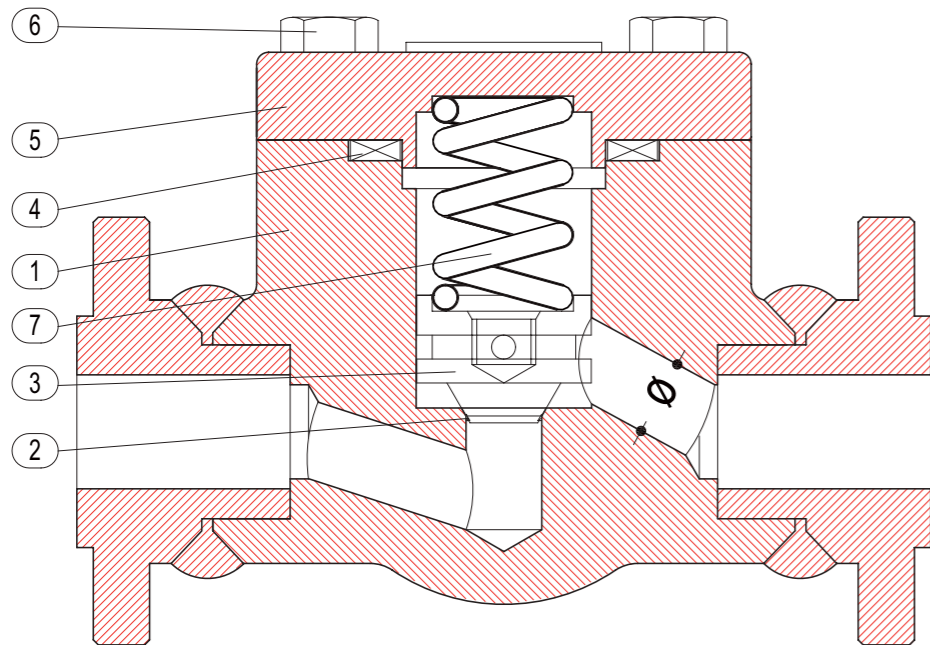
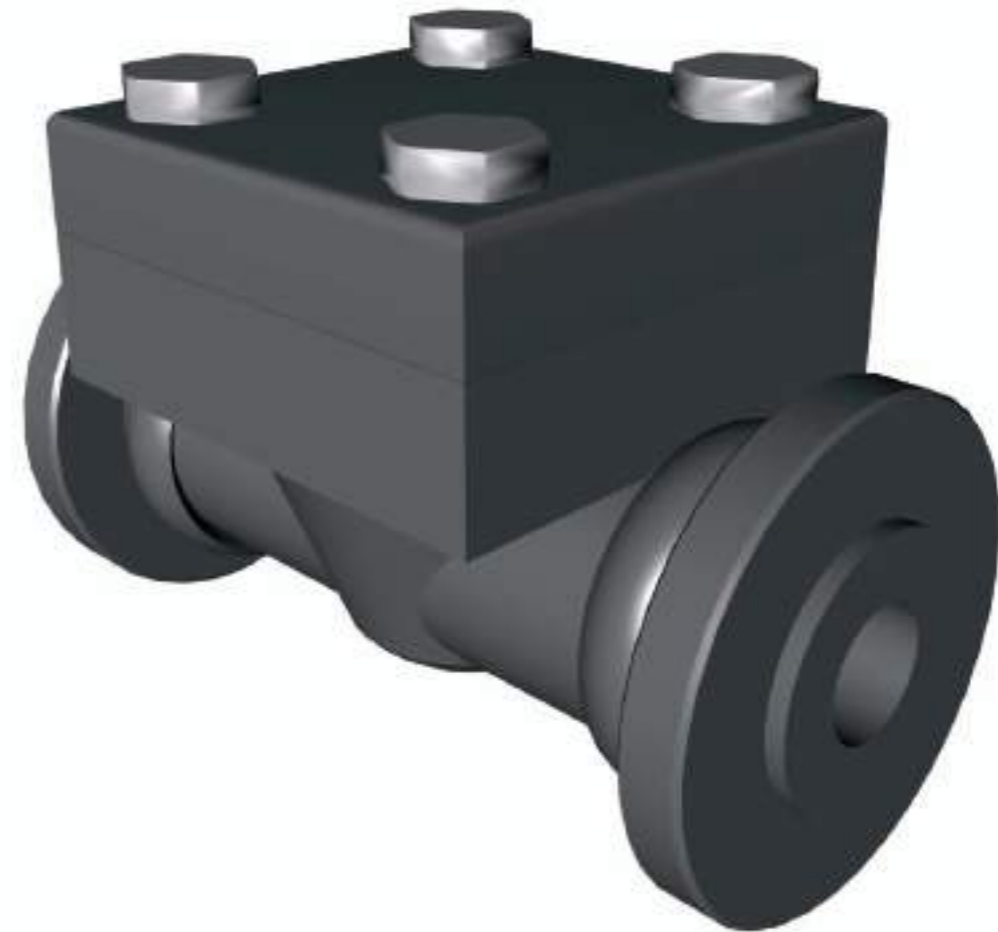
TEST PRESSURE IN BAR			
CLASS	800	1500	2500
HYD SHELL	207	384	647
SEAT	152	282	474
AIR SEAT	6,9	6,9	6,9

DIMENSIONS CLASS 2500		
DN	B	H
15	106	72
20	128	102
25	140	112

WEIGHT KG CLASS 2500	
15	2,90
20	6,70
25	9,60

Model GS86 REG

FORGED CHECK VALVES



DETAILS	
1	BODY
2	SEAT RING
3	DISC
4	GASKET
5	COVER
6	STUD/NUT
7	SPRING

TEST PRESSURE IN BAR			
CLASS	150	300	600
HYD SHELL	30	77	155
SEAT	22	57	113
AIR SEAT	6,9	6,9	6,9

DIMENSIONS CLASS 300			
DN	B	H	Ø D
15	152	54	95,3
20	178	66	117,4
25	203	72	124
32	216	102	133,5
40	229	102	155,5
50	267	108	165,1

WEIGHT KG CLASS 300	
15	2,80
20	4,00
25	6,00
32	12,00
40	12,50
50	15,00

DIMENSIONS CLASS 150			
DN	B	H	Ø D
15	152	54	89
20	178	66	99
25	203	72	108
32	216	102	118
40	229	102	127
50	267	108	152,5

WEIGHT KG CLASS 150	
15	2,50
20	3,00
25	4,50
32	9,00
40	9,20
50	13,50

DIMENSIONS CLASS 600			
DN	B	H	Ø D
15	165	54	95,3
20	190	66	117,4
25	216	72	124
32	229	102	133,5
40	241	102	155,5
50	292	108	165,1

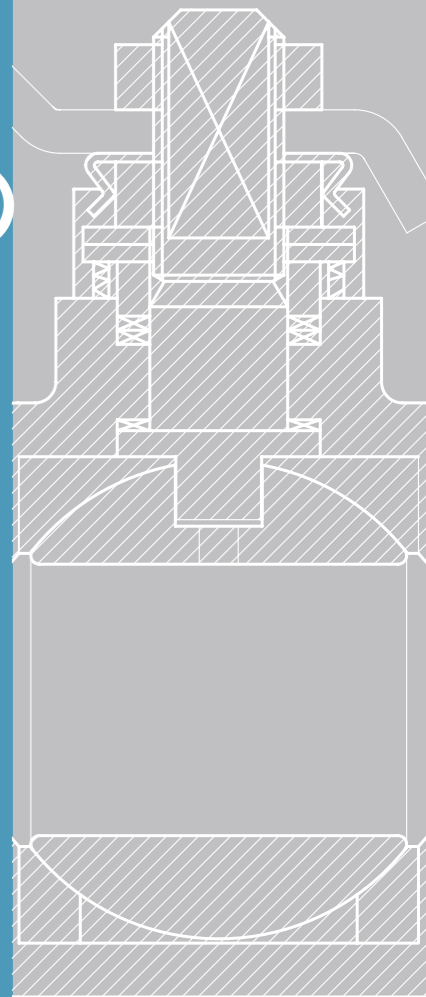
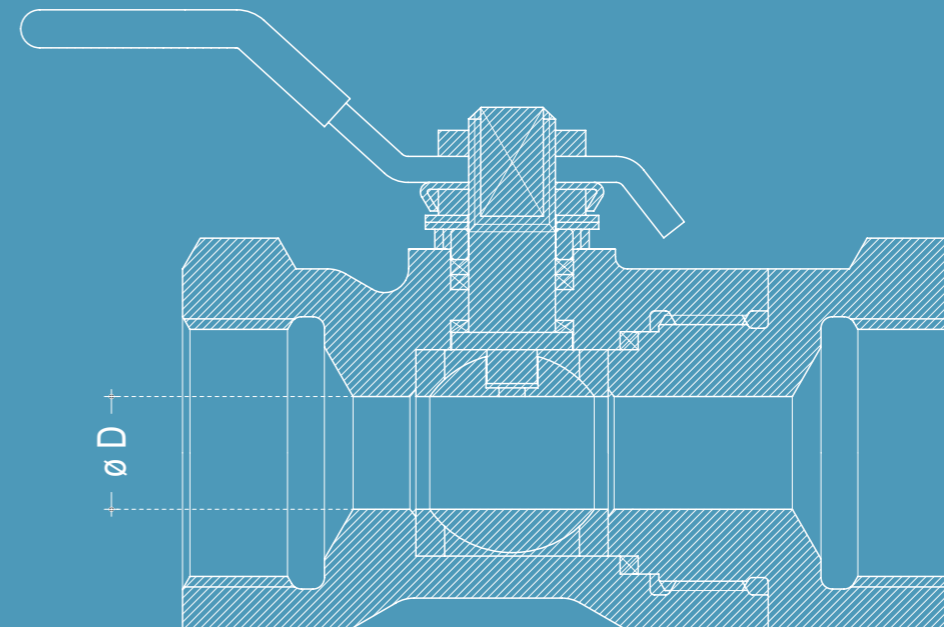
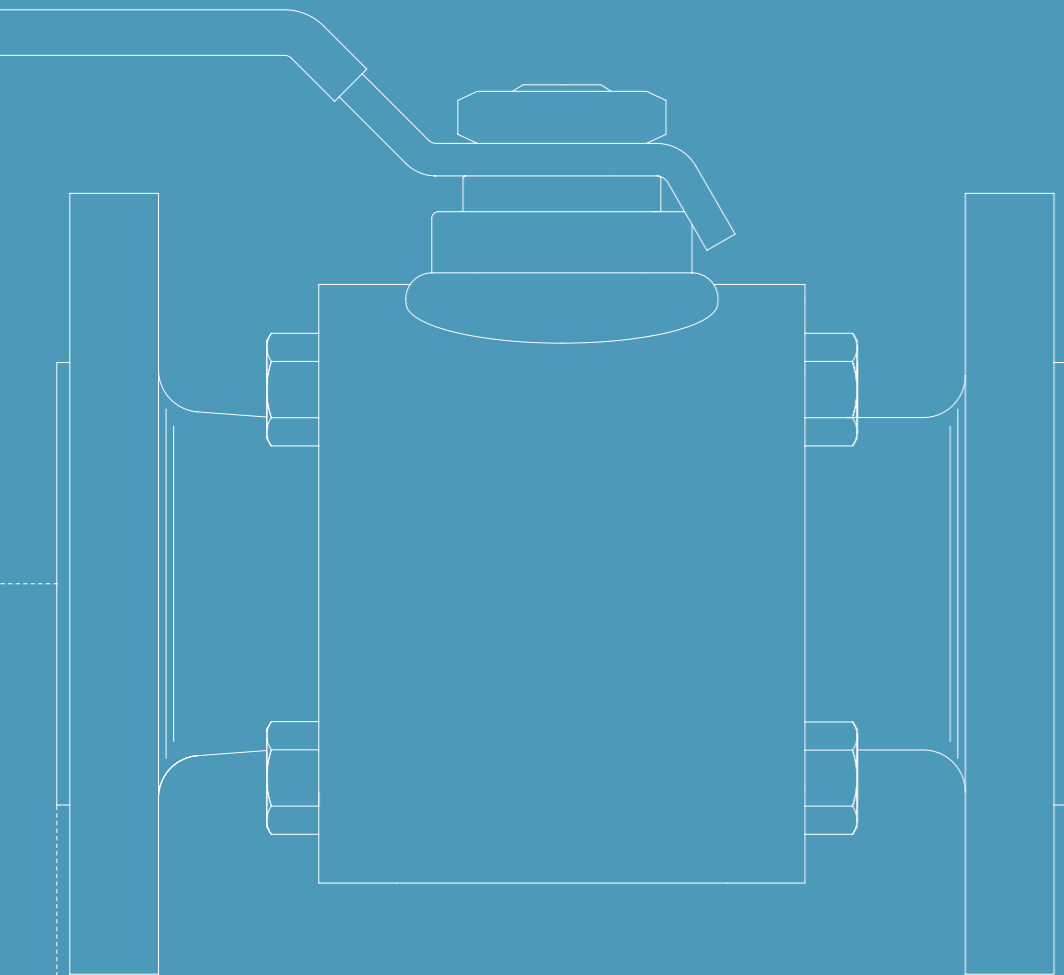
WEIGHT KG CLASS 600	
15	3,50
20	5,20
25	7,20
32	13,50
40	14,00
50	19,50

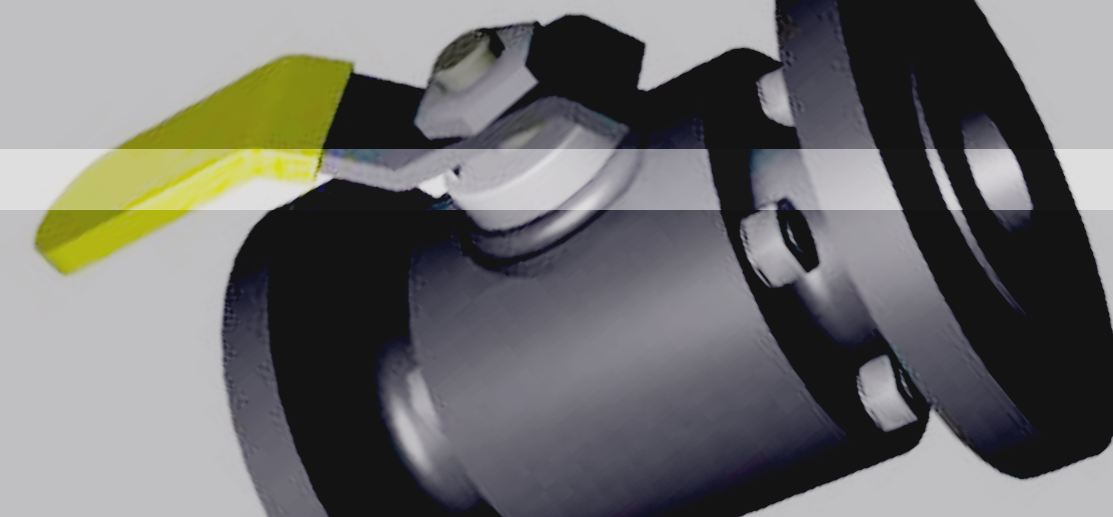


BALL VALVES

BALL VALVES 156

Mod.	GS60	pag.	160
Mod.	GS61	pag.	162
Mod.	GS62 RB/FB	pag.	164
Mod.	GS64 FLANGED END	pag.	166
Mod.	GS63 SW/SE/BW	pag.	168





THE ANSWER TO PROBLEMS OF: CORROSION, ABRASION, CLOGGING, CONTAMINATION, VACUUM & GAS HANDLING

G&O Ball valves, produced in ductile iron, stainless steel and special alloys, are utilised in various industrial fields for fluid control, in both gas and liquid form, in all sectors of plant engineering, cosmetics, detergents, food industry, electric energy, pharmaceutical, gas and GPL, chemical plants, petrochemical plants, oil, heating/air conditioning and in all markets worldwide as also on ships, ferries and marine oil platform.



PRODUCT FEATURES

- Single, two, three pieces & Trunion mounted type
- Reduce & Full bore type
- Flanged, SW, BW & Screwed ends connections
- Class 150, 300, 600, 900 & 1500
- Size from 1/4" through 30"
- Manual lever, Manual Gear, pneumatic and electric operated

PERFORMANCE FEATURES

- Perfect resistance to chemical corrosion and abrasion
- No maintenance
- Long durability
- Surface protection for steel Valves, Black Stoving Enamel external coating/ Base phosphating. Additional external coating: Smoke Grey Synthetic Enamel

BODY VALVE MATERIALS

- ASTM A105, ASTM A350 LF2, ASTM A216 WCB, ASTM A352 LCB
- ASTM A182 F304, F316, ASTM A351 CF8, CF8M, CF3, CF3M
- ASTM A890 CD4MCu, ASTM A351 CN7M
- HB HAST-B
- HC HAST-C
- SS904L (UB6) - PVDF, PPH

TRIM VALVE MATERIALS

- ASTM A276 type 410,304,316,304L, 316L
- CDM A890 CD4MCu
- AL20 A351 CN7M
- 174 17-4 PH
- MONEL 400
- HB HAST-B
- HC HAST-C
- SS904L (UB6) - PVDF, PPH

SEAT VALVE MATERIAL

- PTFE
- GFT
- CFT
- METAL
- PEEK
- NYLON

DESIGN/TESTING APPLICABLE STANDARD

- BS EN ISO 17292 (BS 5351)
- EN 12266-1

END CONNECTIONS APPLICABLE STANDARD

- ANSI/ASME B16.5 Flanged Valves
- ANSI/ASME B16.1 Flanged Fittings
- ANSI/ASME B1.20.1 (NPT)Pipe Threads
- ANSI/ASME B16.34 Steel Valves
- ANSI/ASME B16.11 Socketweld Fittings
- ANSI/ASME B16.25 Butt weld Ends

CERTIFICATES AVAILABLE

- EN 10204 3.1.B - EN 10204 2.2 -LP/MP TESTS

INSPECTION TESTS AVAILABLE BY

- SGS GLOBAL TRADE SOLUTIONS
- ITS INTERTEK TESTING SERVICES
- BV BUREAU VERITAS

MAIOR MARKETS SERVED

- Chemical process - Mining - Pharmaceutical
- Power generation - Pulp & Paper - Food & Beverage
- Water treatment - Nuclear - Bioprocess

OPTIONS

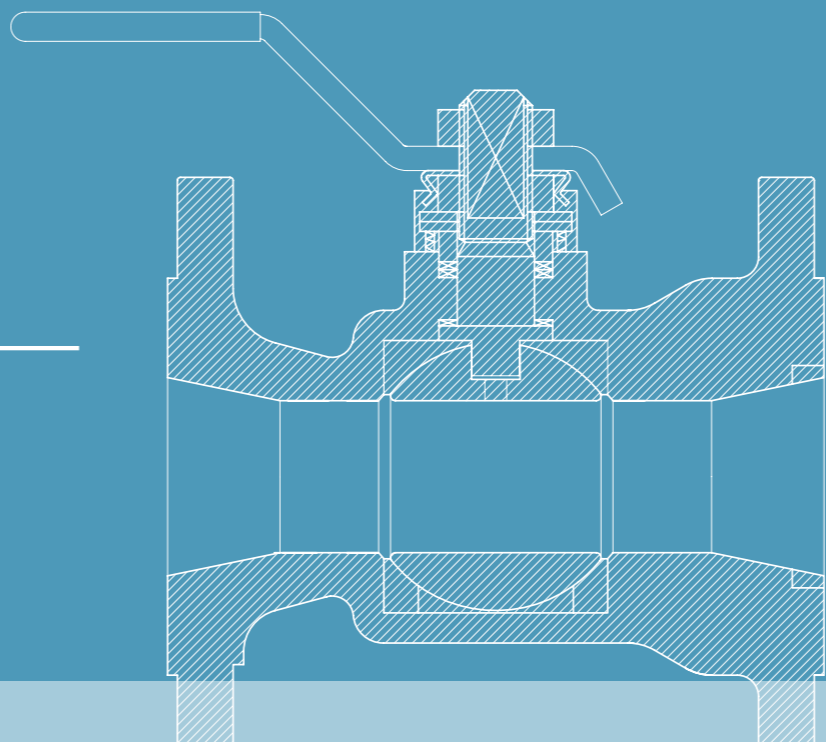
- Limit switches
- Solenoid valve
- Position indicator
- Air filter regulator
- 3:15 PSI positioner
- 4:20mA electropneumatic positioner or 4:20mA electronic transmitter of position 30°-90°angle
- Triphase AC motor

G&O SERIES PNEUMATIC ACTUATORS

Piston type air operators line offer a great solution to a wide range of actuation situations. They are exclusively designed to G&O series butterfly valves and can be mounted in any position. These actuators are built in aluminium and are available in three options:

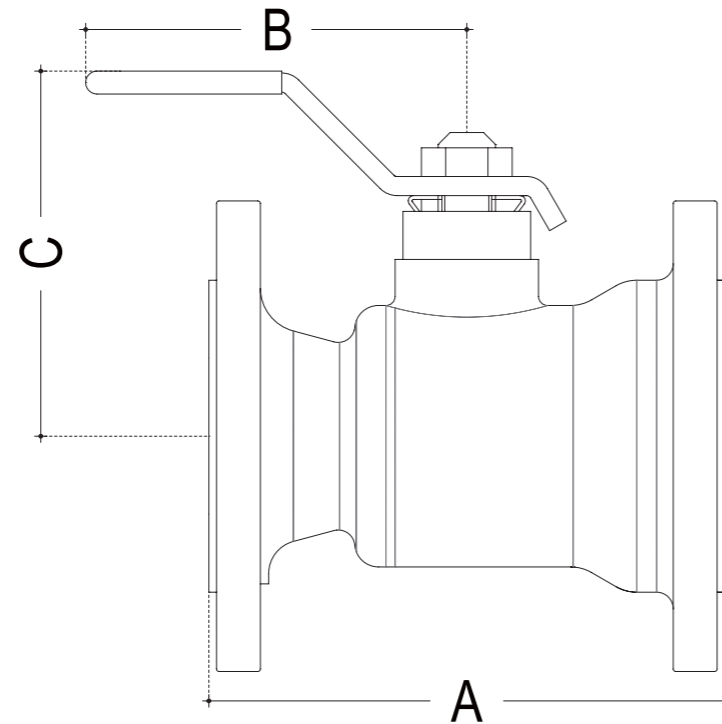
- single effect acting - fail to close (air to open)
- single effect acting - fail to open (air to close)
- double effect acting - fail to open & fail to close

Single effect acting actuators are fitted by an extractable handwheel for security.



Model GS60

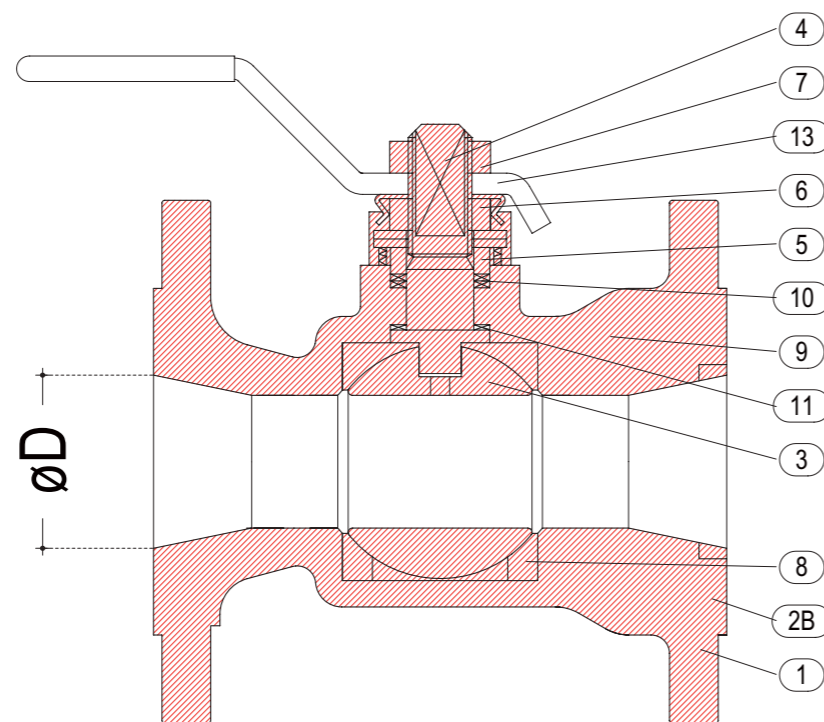
LEVER OPERATED BALL VALVES SINGLE PIECE



DETAILS	
1	BODY
2B	BODY INSERT
3	BALL
4	STEM
5	GLAND
6	GLAND NUT
7	LEVER NUT
8	SEAT
9	BODY SEAL
10	STEAM SEAL
11	STEM WASHER
13	LEVER

WEIGHT KG 150 Rb
1,50
1,80
2,60
3,10
4,50
7,60
9,80
15,30
22,50
38,00
67,50
113,50

Ball Valve Class 150 Rb single piece Flanged ends				
DN	A	B	C	ØD
15	108	120	80	13
20	117	145	85	20
25	127	145	90	25
32	140	175	105	32
40	165	175	110	38
50	178	300	135	50
65	190	475	155	64
80	203	475	170	76
100	229	575	205	98
150	267	775	#	152
200	292	#	#	203
250	330	#	#	250



Ball Valve Class 300 Rb single piece Flanged ends				
DN	A	B	C	ØD
15	140	120	80	13
20	152	145	85	20
25	165	145	90	25
32	178	175	105	32
40	190	175	110	38
50	216	300	135	50
65	241	475	155	64
80	283	475	170	76
100	305	575	205	98
150	403	775	#	152
200	419	#	#	203
250	457	#	#	250

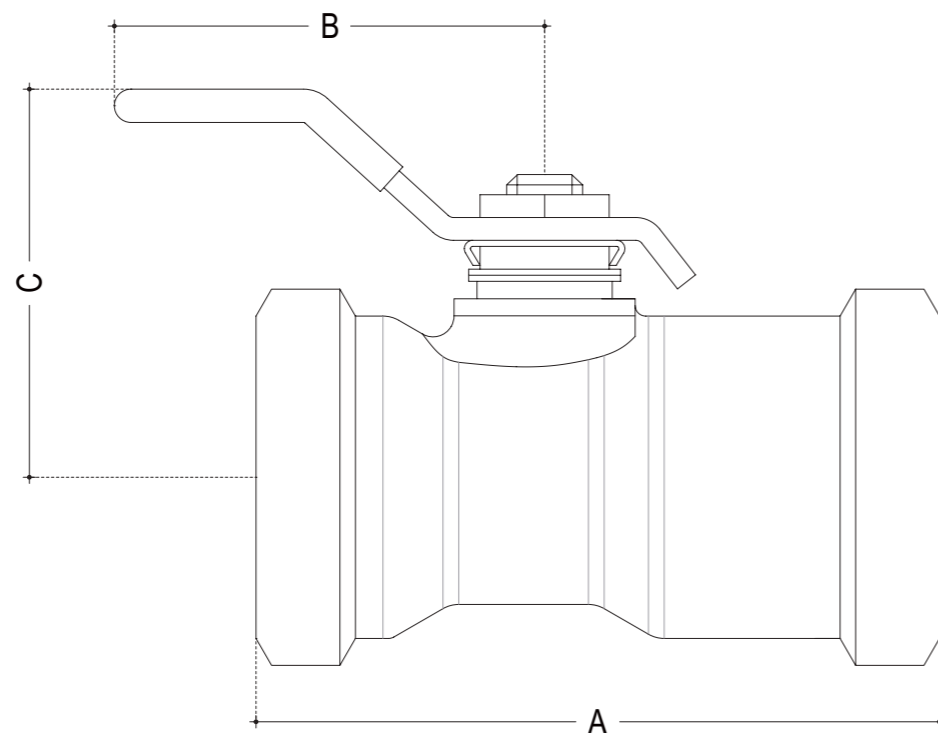
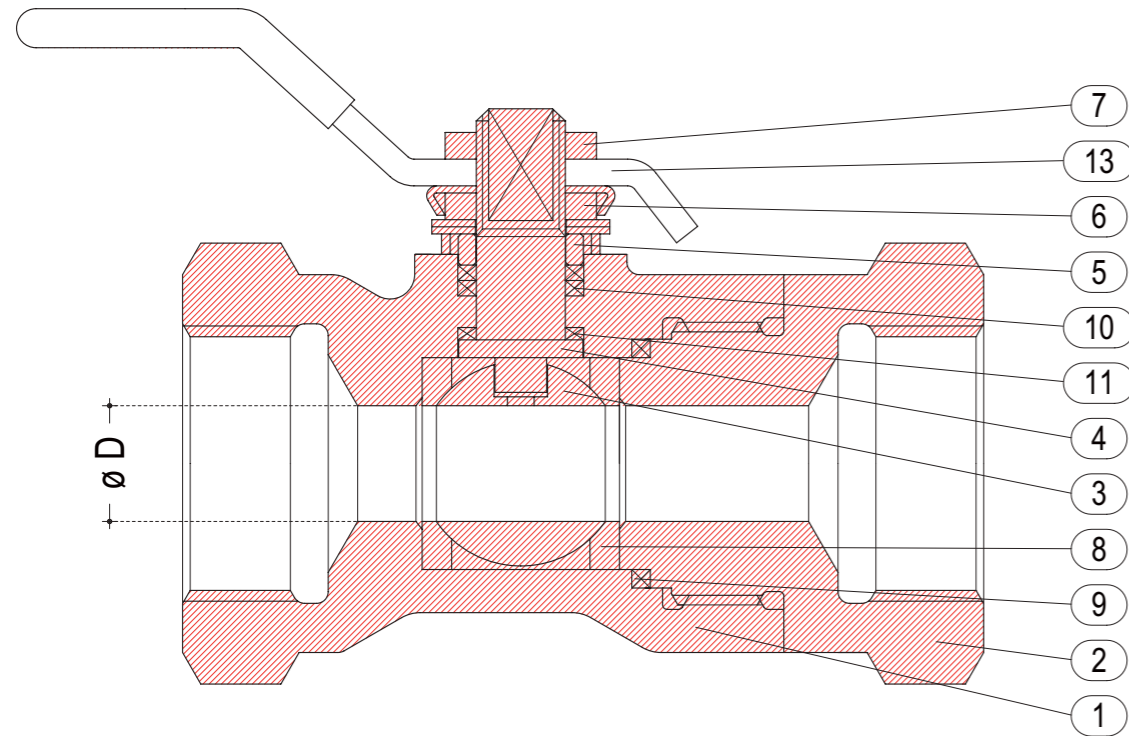
WEIGHT KG 300 Rb kg
2,50
3,50
4,50
7,20
9,00
11,00
16,20
24,40
38,00
68,50
140,00
173,00

TEST PRESSURE IN BAR		
CLASS	150	300
HYD SHELL	30	76
SEAT/BACK SEAT	Refer technical	Refer technical Data
AIR SEAT	6.9	6.9

- Gear operated for sizes 200 to 250
- Valves can be supplied with Pad-Lock, electrical, pneumatic actuators
- Valves can be supplied to suit ASME/BS/DIN Flanges

Model GS61

LEVER OPERATED BALL VALVES SINGLE PIECE



DETAILS	
1	BODY
2	BODY INSERT
3	BALL
4	STEM
5	GLAND
6	GLAND NUT
7	LEVER NUT
8	SEAT
9	BODY SEAL
10	STEM SEAL
11	STEM WASHER
13	LEVER

Ball Valve Class 600 Fb single piece Screwed ends					WEIGHT KG 600 Fb
DN	A	B	C	ØD	
8	70	120	76	09/08	0,50
10	70	120	76	9	0,50
15	80	120	76	11	0,80
20	90	120	80	13	1,30
25	110	145	86	20	3,00
32	115	145	93	25	3,20
40	125	175	110	32	3,80

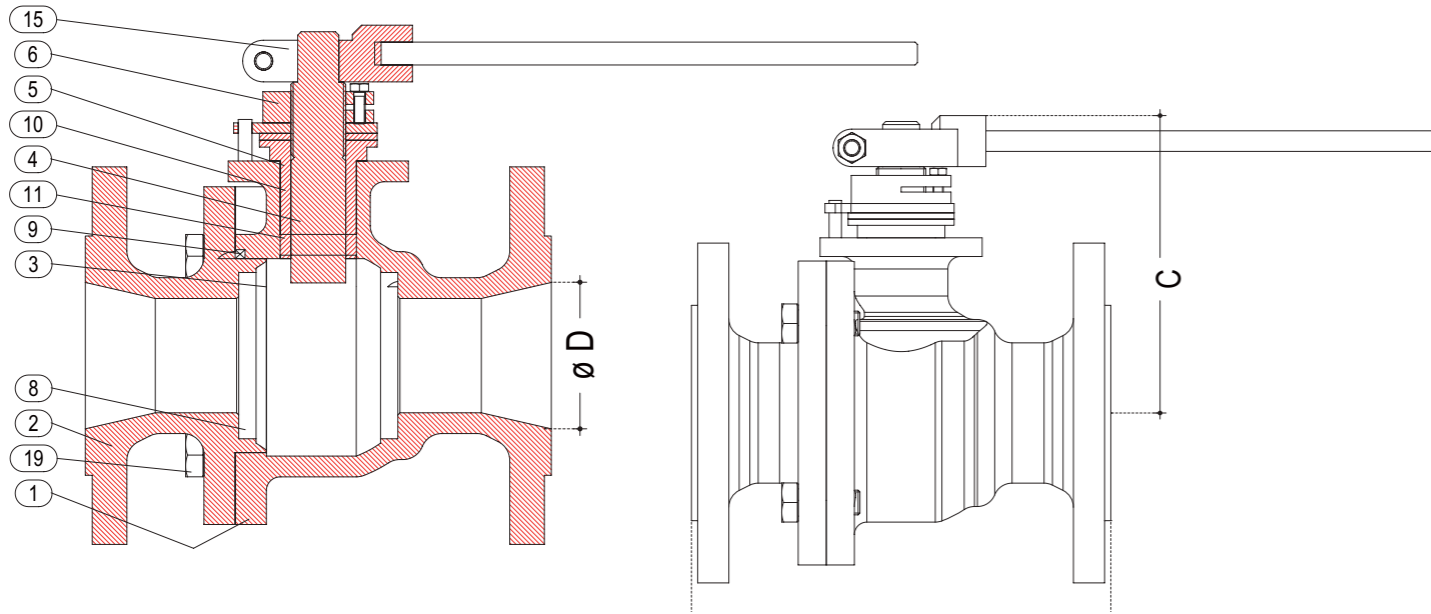
Ball Valve Class 600 Rb single piece Screwed ends					WEIGHT KG 600 Rb
DN	A	B	C	ØD	
8	70	120	76	8	0,50
10	70	120	76	09/08	0,50
15	70	120	76	9	0,80
20	80	120	76	11	1,30
25	90	120	80	13	3,00
32	110	145	86	20	3,20
40	115	145	93	25	3,80
50	125	175	110	32	

Ball Valve Class 800 Rb single piece Screwed ends					WEIGHT KG 800 Rb
DN	A	B	C	ØD	
8	70	110	51	9,5	0,50
10	70	110	51	9,5	0,50
15	70	110	51	9,5	0,50
20	80	110	54	13	0,80
25	90	110	61	15	1,30
32	110	150	66	19	3,00
40	115	150	70	25	3,20
50	125	174	93,5	32	3,80

TEST PRESSURE IN BAR		
CLASS	600	800
HYD SHELL	150	207
SEAT/BACK SEAT	Ptfe 69 Cft 76	Refer technical Data
AIR SEAT	6.9	6.9

Model GS62 RB/FB

LEVER OPERATED BALL VALVES TWO PIECES



Ball Valve Class 150 Two piece reduced & full bore

DN	A	C	ØD
15	108	80	13
20	117	85	20
25	127	90	25
32	140	105	32
40	165	110	38
50	178	135	50
65	190	155	64
80	203	170	76
15-07-2011	229	205	98
150	267	#	152
200	292	#	203
250	330	#	250
300	356/610 ²	#	300

WEIGHT KG 150 Rb

1,20
1,60
2,30
3,40
4,80
6,80
10,50
16,50
24,00
40,00
73,00
122,00
146,00

WEIGHT KG 150 Fb

1,30
2,00
2,70
3,80
5,00
8,20
15,50
18,50
32,00
58,00
95,00
153,00
290,00

DETAILS

1	BODY
2	END PIECE
3	BALL
4	STEM (ANTI BLOW OUT)
5	GLAND
6	GLAND NUT
8	SEAT
8A	SEAT SEAL
9	BODY SEAL
10	STEAM SEAL
11	STEM WASHER
15	LEVER ADAPTER
19	HEX SCREW

TEST PRESSURE IN BAR

CLASS	150	300	600	900	1500
HYD SHELL	30	76	155	236	392
SEAT	Refer Technical data				
MIN. SEAT	6,9	6,9	6,9	6,9	6,9

Ball Valve Class 600 Two piece reduced & full bore

DN	A	C	Ø D
15	165	80	13
20	190	85	20
25	216	90	25
32	229	105	32
40	241	110	38
50	292	135	50
65	330	155	64
80	356	170	76
100	432	205	98
150	559	#	152

WEIGHT KG 600 Rb

3,20
4,80
6,50
8,40
13,00
16,00
25,00
33,00
65,00
85,00

WEIGHT KG 600 Fb

3,30
5,00
6,70
9,00
14,00
21,00
30,00
38,00
90,00
-

- Gear operated for sizes 150
- Valves can be supplied with Pad-Lock, electrical, pneumatic actuators
- Valves can be supplied to suit ASME/BS/DIN Flanges

Ball Valve Class 300 Two piece reduced & full bore

DN	A	C	Ø D
15	140	80	13
20	152	85	20
25	165	90	25
32	178	105	32
40	190	110	38
50	216	135	50
65	241	155	64
80	283	170	76
100	305	205	98
150	403	#	152
200	419	#	203
250	457	#	250
300	502	#	300

WEIGHT KG 300 Rb

1,90
2,90
3,90
5,20
7,50
9,30
13,50
24,50
40,00
68,00
152,00
194,00
271,00

WEIGHT KG 300 Fb

2,10
3,20
4,30
5,80
8,10
10,80
21,50
30,00
50,00
139,00
226,00
275,00
-

- Gear operated for sizes 150 to 300
- Valves can be supplied with Pad-Lock, electrical, pneumatic actuators
- Valves can be supplied to suit ASME/BS/DIN Flanges

Ball Valve Class 900 & 1500 Two piece reduced & full bore

DN	A	C	Ø D
15	216	80	13
20	229	85	20
25	254	90	25
32	280	105	32
40	305	110	38
50	368	135	50
65	419	155	64

WEIGHT KG 900 Rb

4,60
6,50
8,80
12,50
20,00
27,00
40,00

WEIGHT KG 900 Fb

4,90
7,10
13,00
21,00
28,00
31,00
50,00

WEIGHT KG 1500 Rb

5,00
7,50
10,00
16,00
23,00
32,00
-

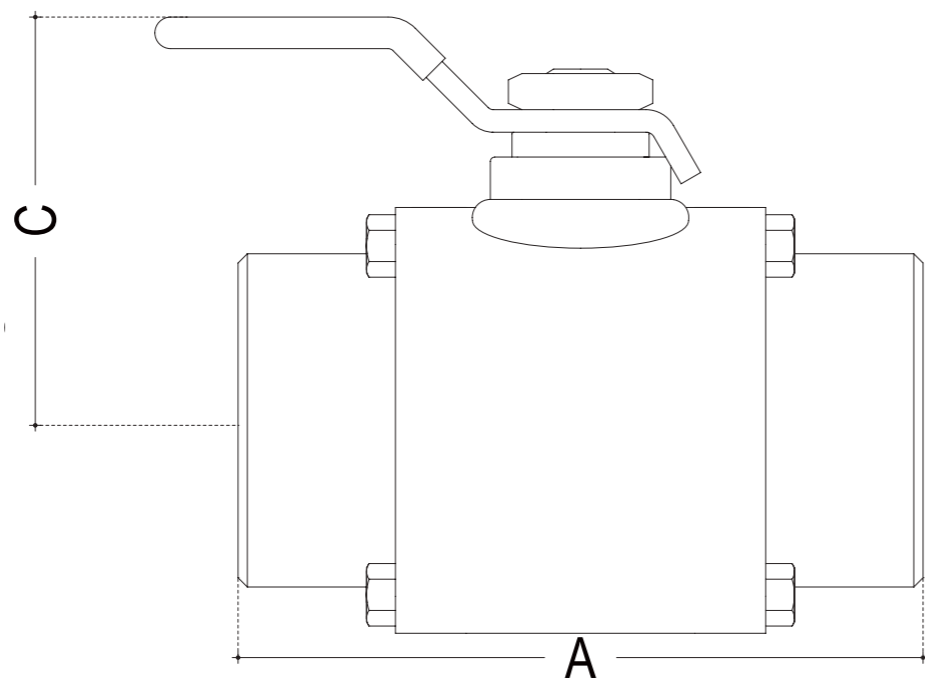
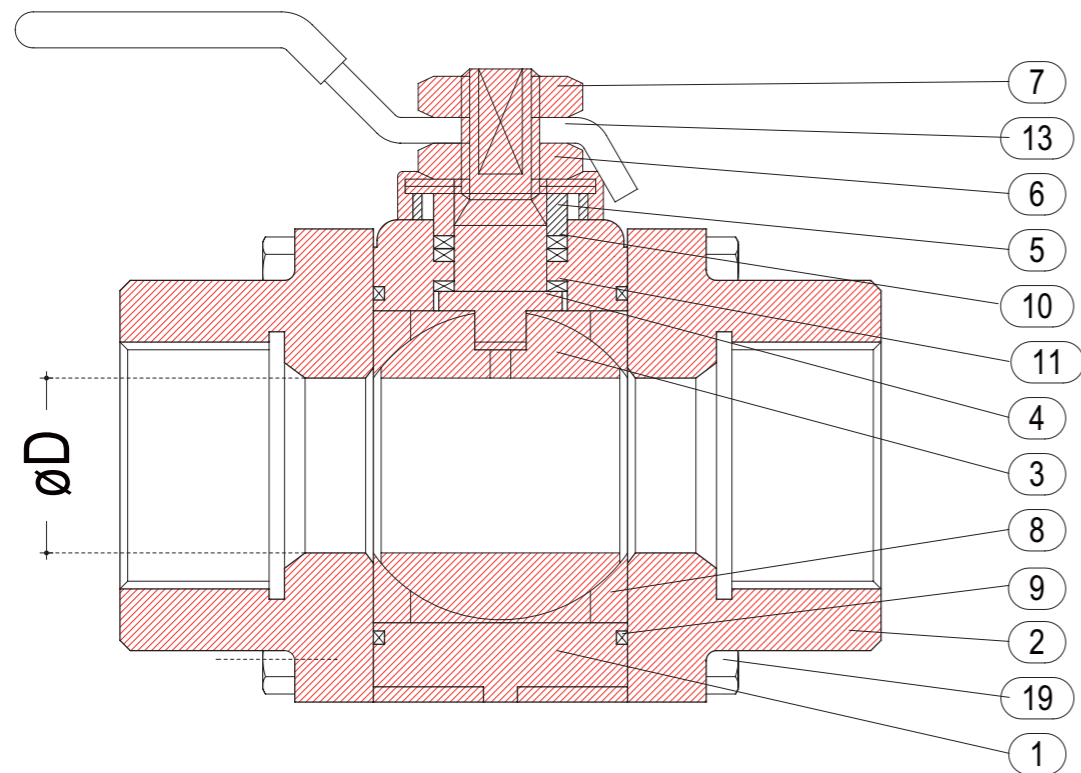
WEIGHT KG 1500 Fb

6,00
9,50
14,00
23,00
29,00
-
-

- Valves can be supplied with Pad-Lock, electrical, pneumatic actuators
- Valves can be supplied to suit ASME/BS/DIN Flanges

Model GS63 SW/SC/BW

LEVER OPERATED BALL VALVES THREE PIECE



DETAILS	
1	BODY
2	END PIECE
3	BALL
4	STEM (ANTI BLOW OUT)
5	GLAND
6	GLAND NUT
7	LEVER NUT
8	SEAT
9	BODY SEAL
10	STEAM SEAL
11	STEM WASHER
13	LEVER
19	HEX SCREW



Ball Valve Class 600-800 Three piece Reduced bore Screwed,Socket & Butt Weld			
DN	A	C	Ø D
10	64	80	11
15	64	80	11
20	70	85	13
25	88	90	20
32	105	105	25
40	114	110	32
50	130	135	38

WEIGHT KG	
0,70	
0,70	
0,90	
1,60	
2,20	
3,50	
4,90	

Ball Valve Class 600-800 Three piece Full bore Screwed,Socket & Butt Weld			
DN	A	C	Ø D
10	64	80	11
15	64	80	11
20	75	85	13
25	88	90	20
32	105	105	25
40	114	110	32
50	145	135	38

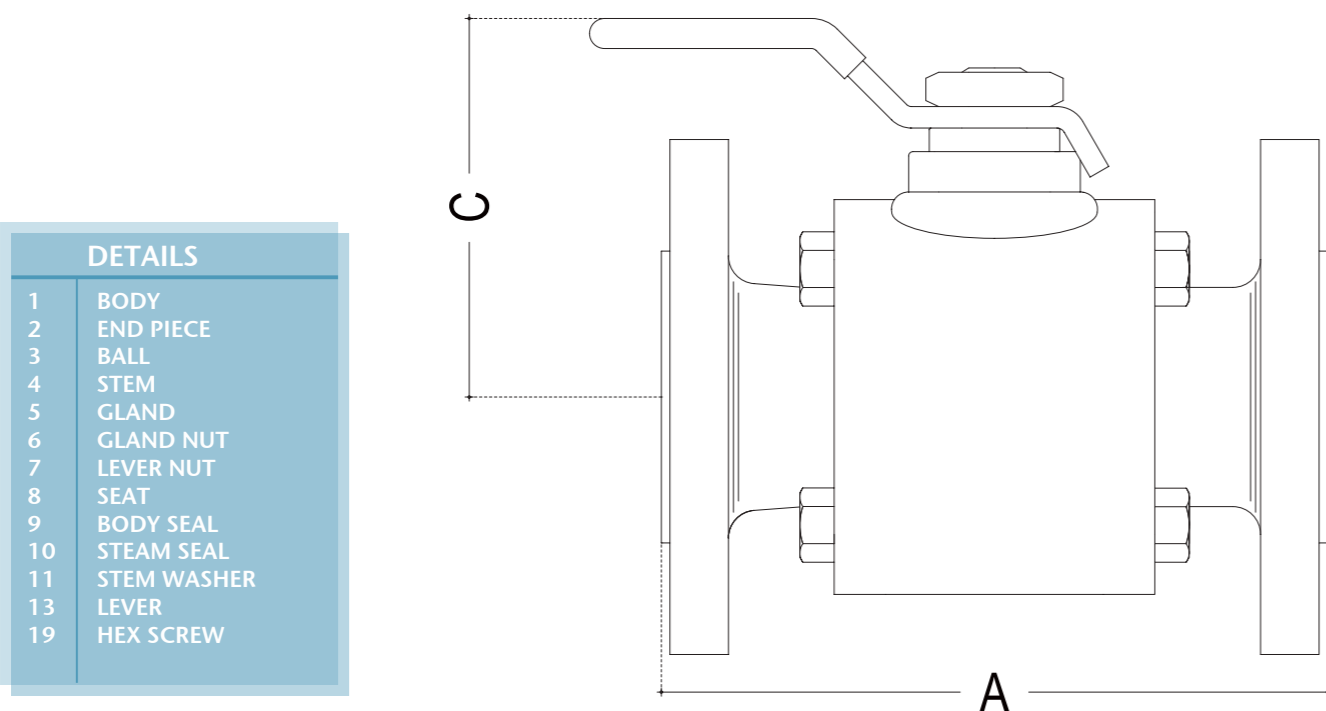
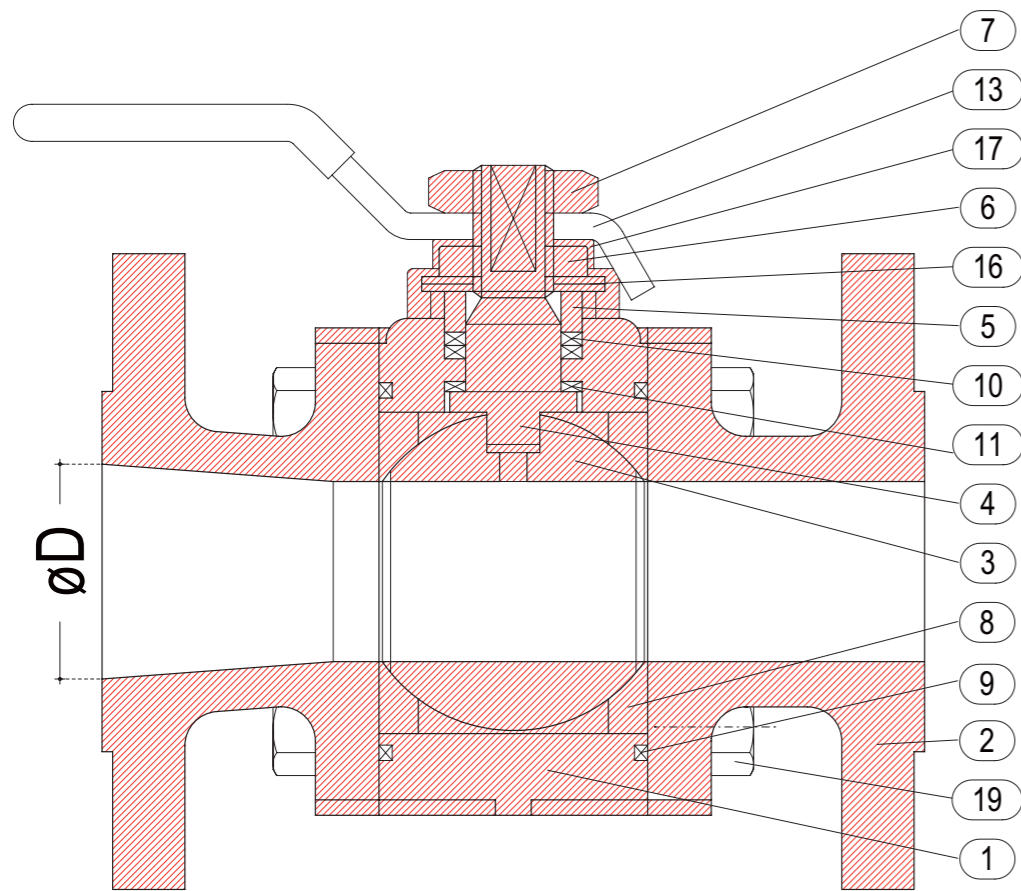
WEIGHT KG	
0,70	
0,80	
1,50	
2,00	
3,10	
4,70	
8,50	

• Valves can be supplied with Pad-Lock, electrical, pneumatic actuators

TEST PRESSURE IN BAR		
CLASS	600	800
HYD SHELL	150	207
SEAT/BACK SEAT	Refer technical	Refer technical
AIR SEAT	6.9	6.9

Model GS64 FLANGED END

LEVER OPERATED BALL VALVES THREE PIECES



DETAILS	
1	BODY
2	END PIECE
3	BALL
4	STEM
5	GLAND
6	GLAND NUT
7	LEVER NUT
8	SEAT
9	BODY SEAL
10	STEAM SEAL
11	STEM WASHER
13	LEVER
19	HEX SCREW

TEST PRESSURE IN BAR		
CLASS	150	300
HYD SHELL	30	76
SEAT/BACK SEAT	Refer technical	Refer technical
AIR SEAT	6.9	6.9

Ball Valve Class 150 Three piece reduced & full bore, Flanged ends			
DN	A	C	Ø D
15	108	80	13
20	117	85	20
25	127	90	25
32	140	105	32
40	165	110	38
50	178	135	50

WEIGHT KG
150 Rb
1,50
1,70
2,60
3,80
5,70
8,20

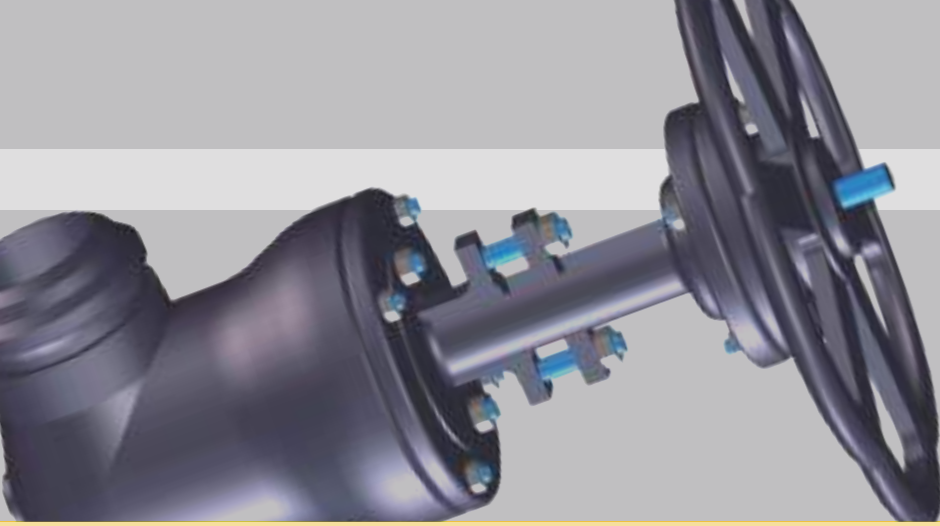
WEIGHT KG
150 Fb
1,70
2,50
2,90
4,20
6,50
9,50

Ball Valve Class 300 Three piece reduced & full bore, Flanged ends			
DN	A	C	Ø D
15	140	80	13
20	152	85	20
25	165	90	25
32	178	105	32
40	190	110	38
50	216	135	50

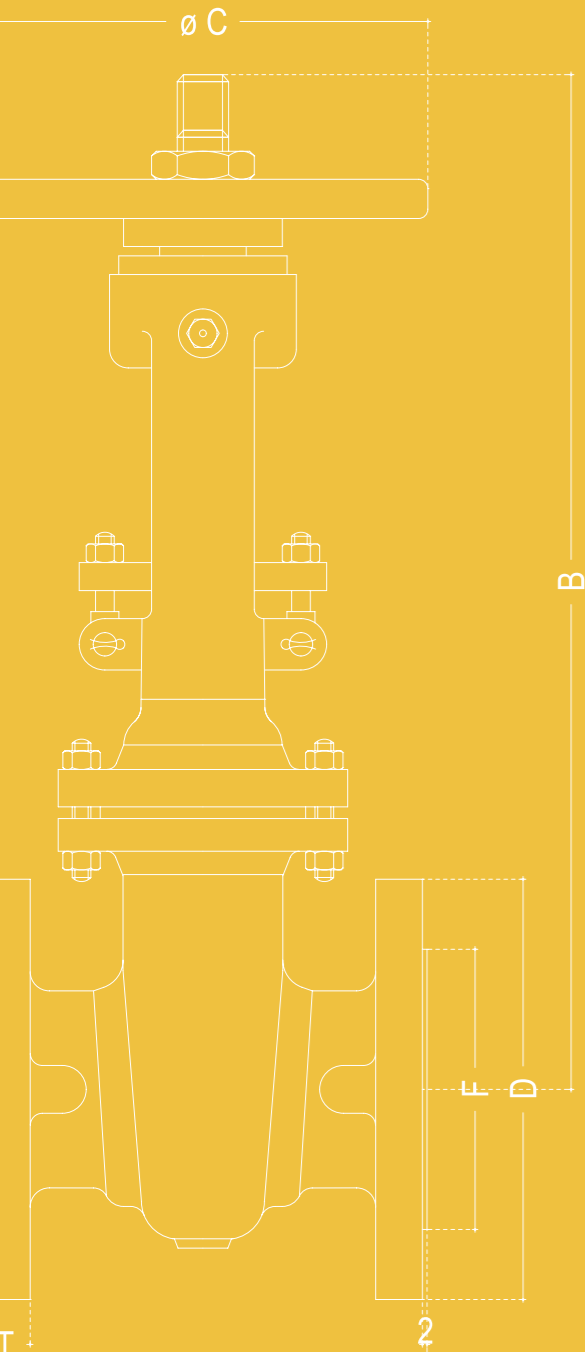
WEIGHT KG
300 Rb
2,40
3,30
4,30
5,10
9,30
11,20

WEIGHT KG
300 Fb
2,70
3,80
4,90
6,80
10,20
14,50

- Valves can be supplied with Pad-Lock, electrical, pneumatic actuators
- Valves can be supplied to suit ASME/BS/DIN Flanges

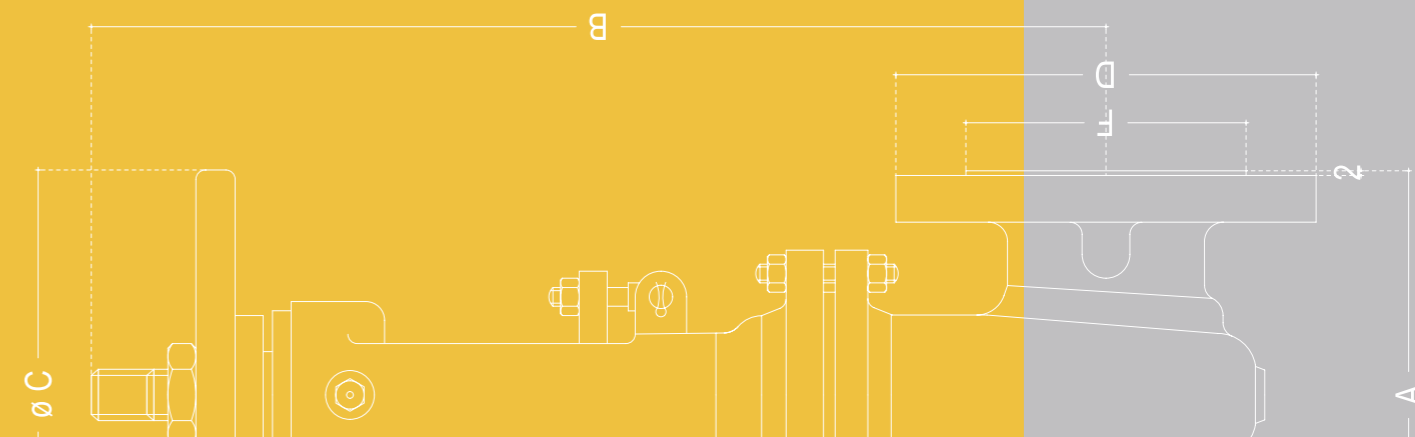


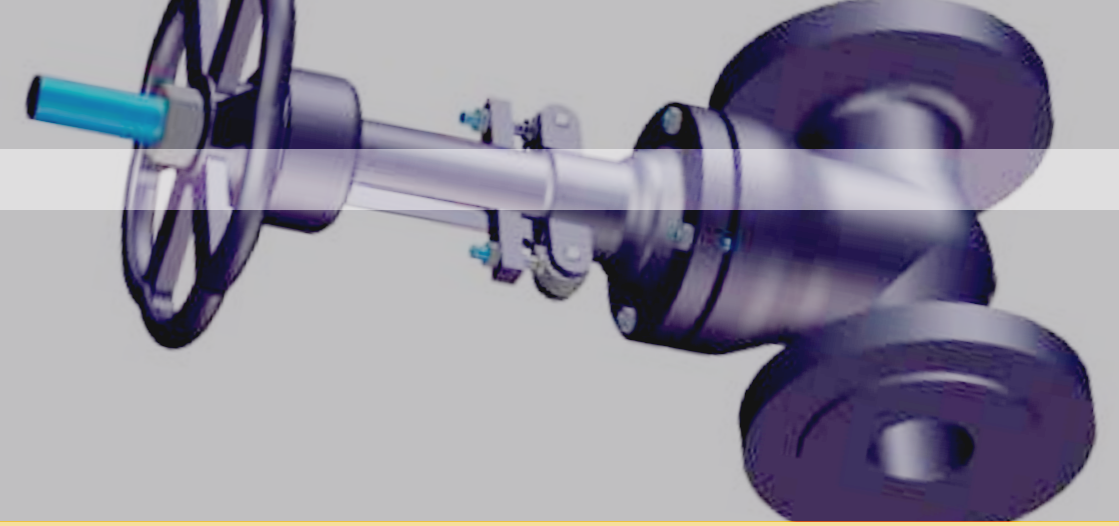
GATE VALVES



GATE VALVES 170

Mod.	GS70	pag. 174
Mod.	GS71	pag. 176
Mod.	GS72	pag. 178
Mod.	GS73	pag. 180
Mod.	GS74	pag. 182



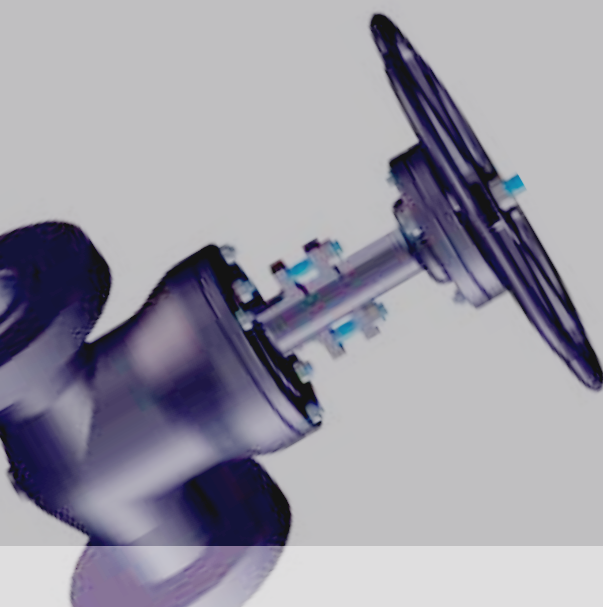


THE ANSWER TO PROBLEMS OF: CORROSION, ABRASION, CLOGGING, CONTAMINATION, VACUUM & GAS HANDLING

The most common and traditional type. The valves are large to accommodate the yoke and stem mechanism, but fully open the full bore design provides an uninterrupted flow path.

Generally either used fully open or closed, for on/off isolation, and not used for modulating flow control duties.

Variants include Solid and Flexible Wedge Gates, Double Disc Gates, Through Conduit Valves, Parallel Slide Valves and Knife Gate Valves.



PRODUCT FEATURES

- Heavy duty OS & Y type
- Bolted bonnet, rising stem, non rising hand wheel
- Renewable seating for Carbon Steel Valves, integral for Stainless Steel Valves
- Piston Lift Check Valves with spring loaded disc
- Class 150, 300, 600, 800, 900, 1500, 2500
- Size from 1/2" through 24"
- Manual lever, Manual Gear and electric operated

PERFORMANCE FEATURES

- Valves with most advanced deging Features provide the ultimate in dependable, economic flow control
- Surface protection for carbon steel Valves, Chlorine free prime coat with modified alkyd resin unobjectionable in physiological and toxicological respects. Additional external coating: Silver Streak aluminium paint/varnish light blue

BODY & BONNET MATERIALS:

- ASTM A126 CLASS B
- ASTM A216 WCB, A217 WC6, WC9, C5, C12
- ASTM A352 LCB
- ASTM A351 CF8, CF8M, CF3, CF3M
- ASTM A105
- ASTM A182 F11, F22, F5, F9, F304, F316

WEDGE & SEAT RING MATERIALS:

- ASTM A216 WCB+13% Cr. Facing, A217 WC6+Stellited, CA6NM+Stellited
- ASTM A216 WCB, ASTM A217 WC6, A743 CA6NM
- ASTM A217 CA15
- ASTM A276 Type 410, 304, 316
- ASTM A351 CF8, CF8M, CF3, CF3M

GASKET VALVE MATERIAL

- Spiral Wound 304, 316 with CAF
- Graphite
- PTFE filled

DESIGN/TESTING APPLICABLE STANDARD

- API 6D, API 600
- ASME B16.34
- API 602, BS 5352
- BS 5150, BS 5152
- API 6D, API 598
- API 598
- API 598, EN 12266-1

END CONNECTIONS APPLICABLE STANDARD

- ANSI/ASME B16.5 Flanged Valves
- ANSI/ASME B16.1 Flanged Fittings
- ANSI/ASME B1.20.1 (NPT)Pipe Threads
- ANSI/ASME B16.34 Steel Valves
- ANSI/ASME B16.11 Socketweld Fittings
- ANSI/ASME B16.25 Butt weld Ends

CERTIFICATES AVAILABLE

- EN 10204 3.1.B
- EN 10204 2.2
- LP/MP TESTS

INSPECTION TESTS AVAILABLE BY

- SGS GLOBAL TRADE SOLUTIONS
- ITS INTERTEK TESTING SERVICES
- BV BUREAU VERITAS

MAIOR MARKETS SERVED

- Chemical process
- Power generation
- Water treatment
- Mining
- Pulp & Paper
- Nuclear
- Pharmaceutical
- Food & Beverage
- Bioprocess

OPTIONS

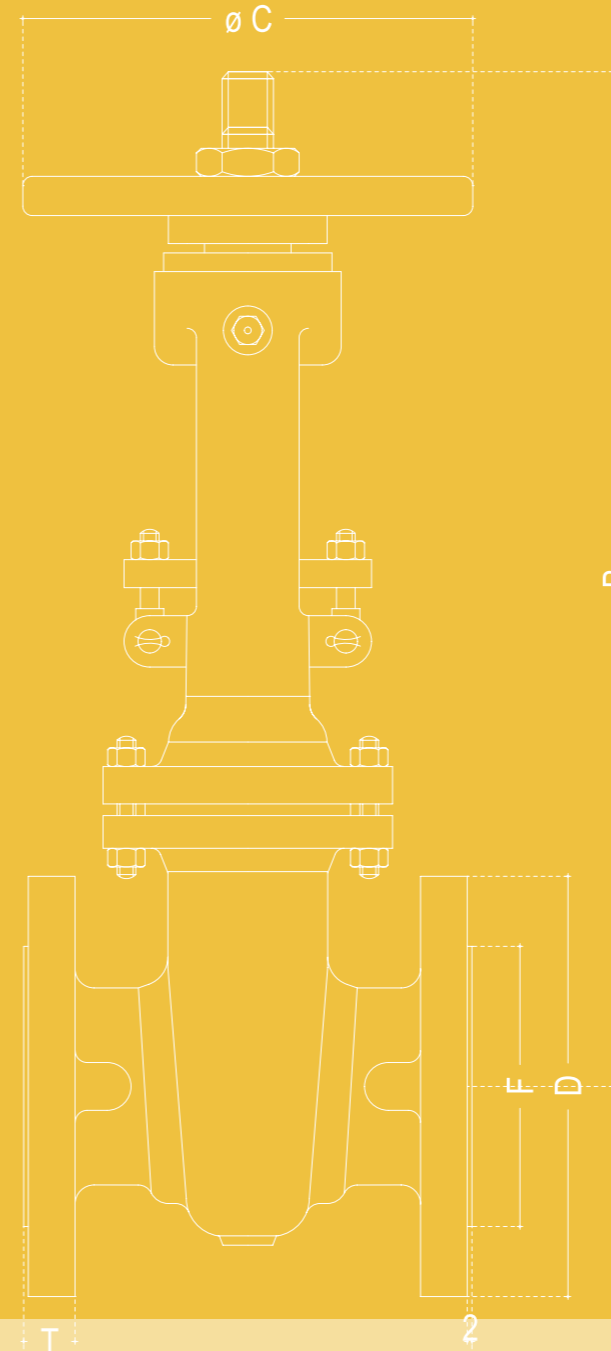
- Limit switches
- Solenoid valve
- Position indicator
- Air filter regulator
- 3:1.5 PSI positioner
- 4:20mA electropneumatic positoner or 4:20mA electronic transmitter of position 30°-90°angle
- Triphase AC motor

G&O SERIES PNEUMATIC ACTUATORS

Piston type air operators line offer a great solution to a wide range of actuation situations. They are exclusively designed to G&O series butterfly valves and can be mounted in any position. These actuators are built in aluminium and are available in three options:

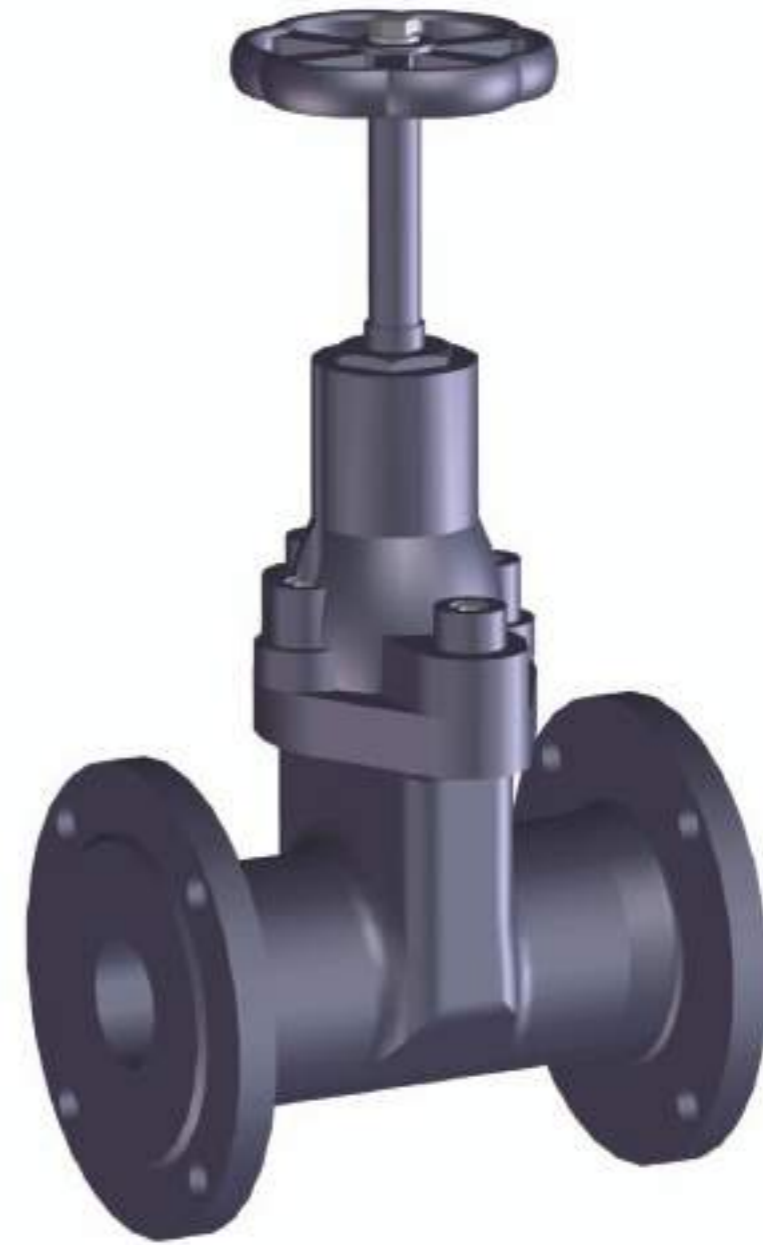
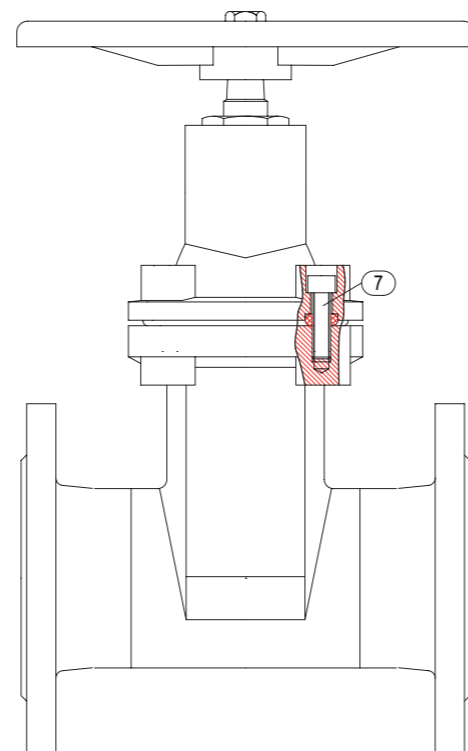
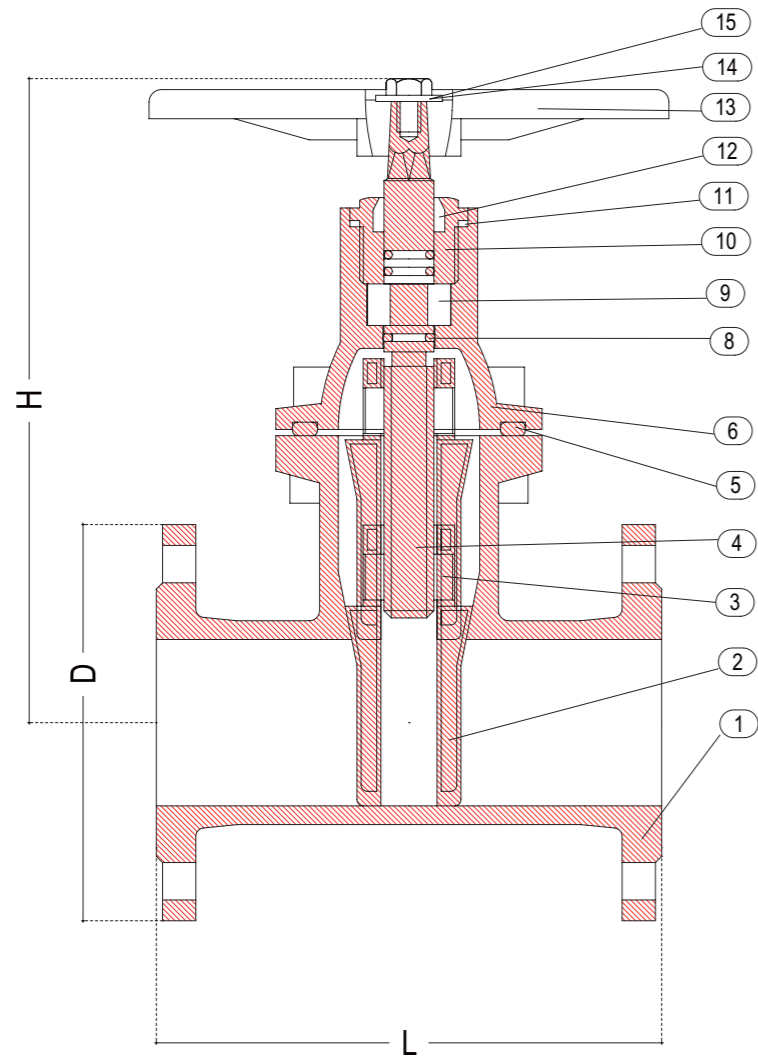
- single effect acting - fail to close (air to open)
- single effect acting - fail to open (air to close)
- double effect acting - fail to open & fail to close

Single effect acting actuators are fitted by an extractable handwheel for security.



Model GS70

MANUAL SHORT BODY SOFT SEATED GATE VALVES



DETAILS	
1	BODY
2	WEDGE
3	STEM NUT
4	STEM
5	GASKET
6	BONNET
7	BONNET BOLT
8	O-RING
9	LOCALIZER RING
10	BONNET NUT
11	MINIPAD
12	DUST RING
13	WHEEL
14	WASHER
15	BOLT

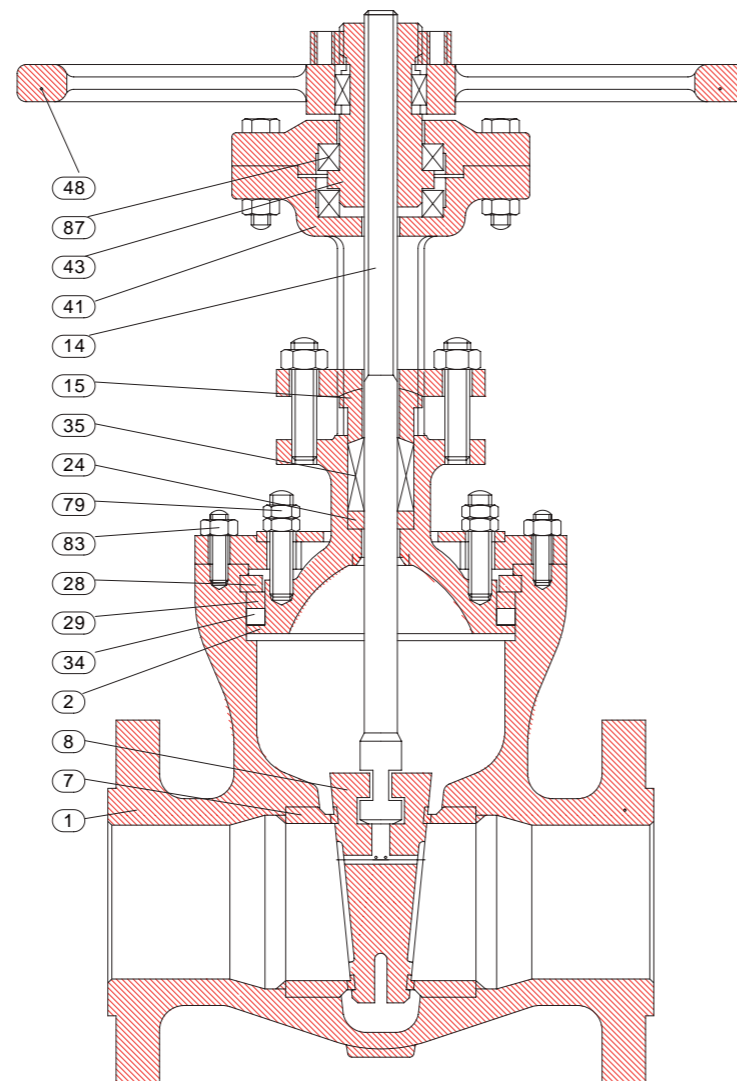
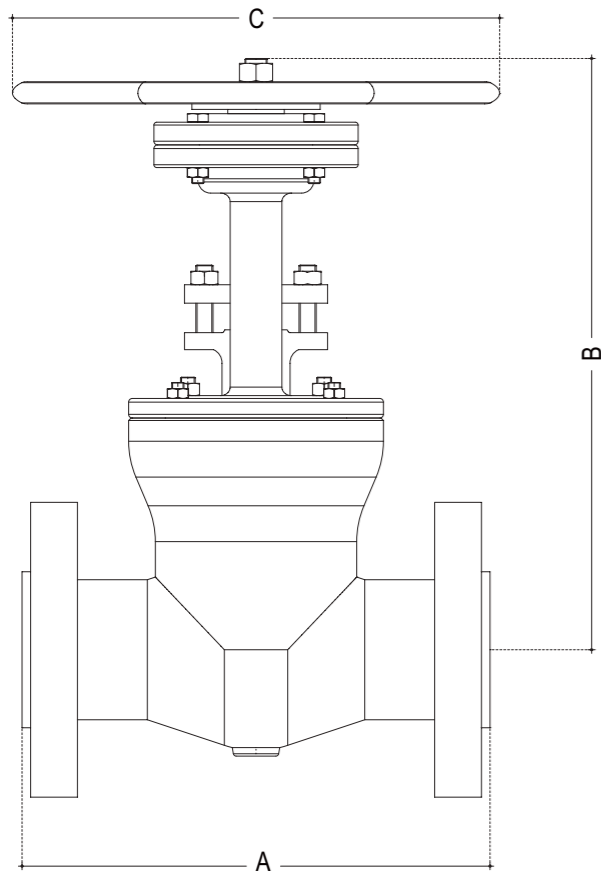
TEST PRESSURE IN BAR		
PRESSURE RATING	Pn 10	PN 16
HYD SHELL	15	24
SEAT	10	16
AIR SEAT	7.0	7.0

WEIGHT KG	
24,00	
26,00	
34,00	
43,00	
60,00	
87,00	
115,00	
180,00	
276,00	
360,00	

DIMENSIONS			
DN	L	D	H
40	140	150	260
50	150	165	270
65	170	185	283
80	180	200	311
100	190	220	352
125	200	250	435
150	210	285	485
200	230	340	520
250	250	405	635
300	270	460	745

Model GS71

MANUAL LONG BODY GATE VALVES CLASS 900-1500



TEST PRESSURE IN BAR		
CLASS	900	1500
HYD SHELL	230	384
SEAT/BACK SEAT	169	282
AIR SEAT	6.9	6.9

• Bevel Gear Actuators Mandatory

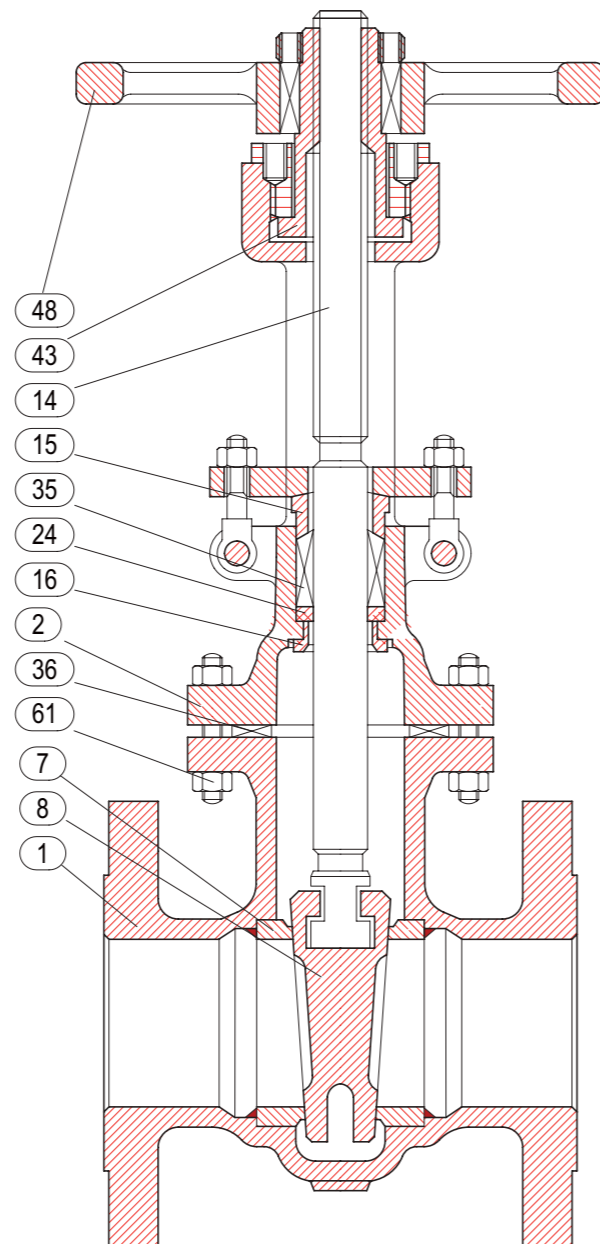
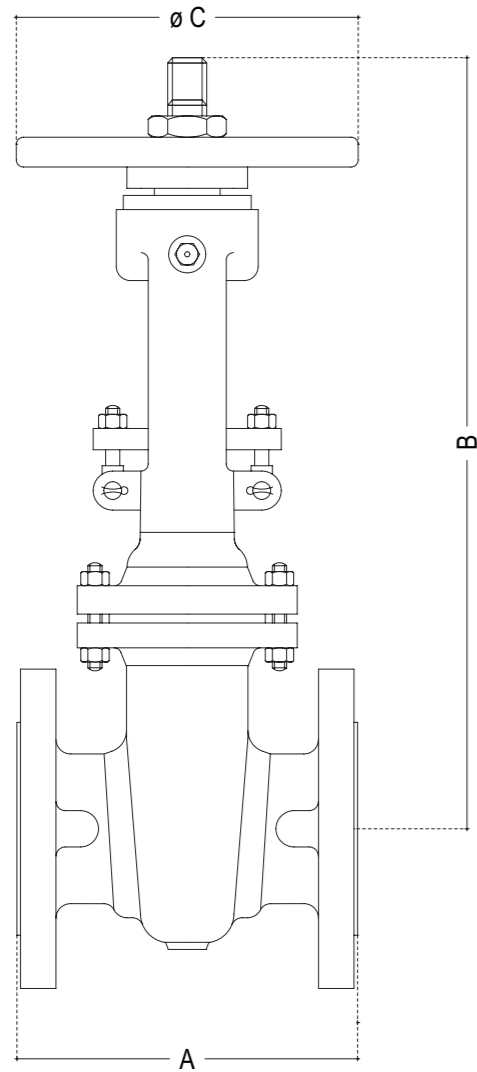
DETAILS	
1	BODY
2	BONNET
7	SEAT RING
8	WEDGE
14	STEM
15	GLAND
24	ANTI EXTRUSION RING
28	SEGMENT RING
29	SUPPORT RING
34	PRESSURE SEAL RING
35	PACKING
41	YOKE
43	YOKE SLEEVE
48	HANDWHEEL
79	RET.ST/NT/LK.NT
83	YOKE ST./NT
87	THRUST BEARING

DIMENSIONS CLASS 900 W-L				WEIGHT KG 900 L
DN	A	B	Ø C	
50	368	520	300	58,00
65	419	595	450	86,00
80	381	665	450	95,00
100	457	760	600	130,00
125	559	885	600	200,00
150	610	1070	#	330,00
200	737	1415	#	595,00
250	838	1525	#	795,00
300	965	1610	#	1.110,00

DIMENSIONS CLASS 1500 L				WEIGHT KG 1500 L
DN	A	B	Ø C	
50	368	520	300	58,00
65	419	595	450	86,00
80	470	650	600	115,00
100	546	760	#	171,00
125	673	910	#	285,00
150	705	1070	#	440,00
200	832	1475	#	875,00
250	991	1525	#	1.325,00
300	1130	1610	#	2.525,00

Model GS72

MANUAL LONG BODY GATE VALVES CLASS 150



DIMENSIONS CLASS 150			
DN	A	B	Ø C
15	108	210	100
20	117	215	100
25	127	250	150
40	165	300	200
50	178	345	200
65	190	410	200
80	203	435	250
100	229	550	250
125	254	650	300
150	267	750	300
200	292	960	450
250	330	1155	450
300	356	1390	600
350	381	1575	600
400	406	1710	750
450	432	1950	#
500	457	2225	#
600	508	2560	#
650	559	2800	#
700	610	3050	#
750	610	3130	#
800	660	3280	#
900	711	3720	#

WEIGHT KG	
150	
15	4,00
20	4,50
25	6,20
40	11,20
50	16,50
65	25,00
80	27,00
100	43,00
125	55,00
150	78,00
200	125,00
250	190,00
300	288,00
350	315,00
400	420,00
450	650,00
500	725,00
600	1.305,00
650	1.550,00
700	1.880,00
750	2.300,00
800	2.550,00
900	3.390,00

DIMENSIONS CLASS 300			
DN	A	B	Ø C
15	140	210	100
20	152	215	100
25	165	250	150
40	190	300	200
50	216	345	200
65	241	425	250
80	282	460	250
100	305	550	300
125	381	685	450
150	403	790	450
200	419	990	450
250	457	1230	600
300	502	1475	600
350	762	1310	750
400	838	1870	#
450	914	2035	#
500	991	2220	#
600	1143	2550	#

WEIGHT KG	
300	
15	4,60
20	6,00
25	7,50
40	14,20
50	19,00
65	28,00
80	43,00
100	75,00
125	98,00
150	133,00
200	215,00
250	368,00
300	475,00
350	580,00
400	985,00
450	1.185,00
500	1.545,00
600	1.805,00



TEST PRESSURE IN BAR			
CLASS	150	300	600
HYD SHELL	30	77	155
SEAT	22	57	113
AIR SEAT	6,9	6,9	6,9

• Bevel Gear Actuators Mandatory

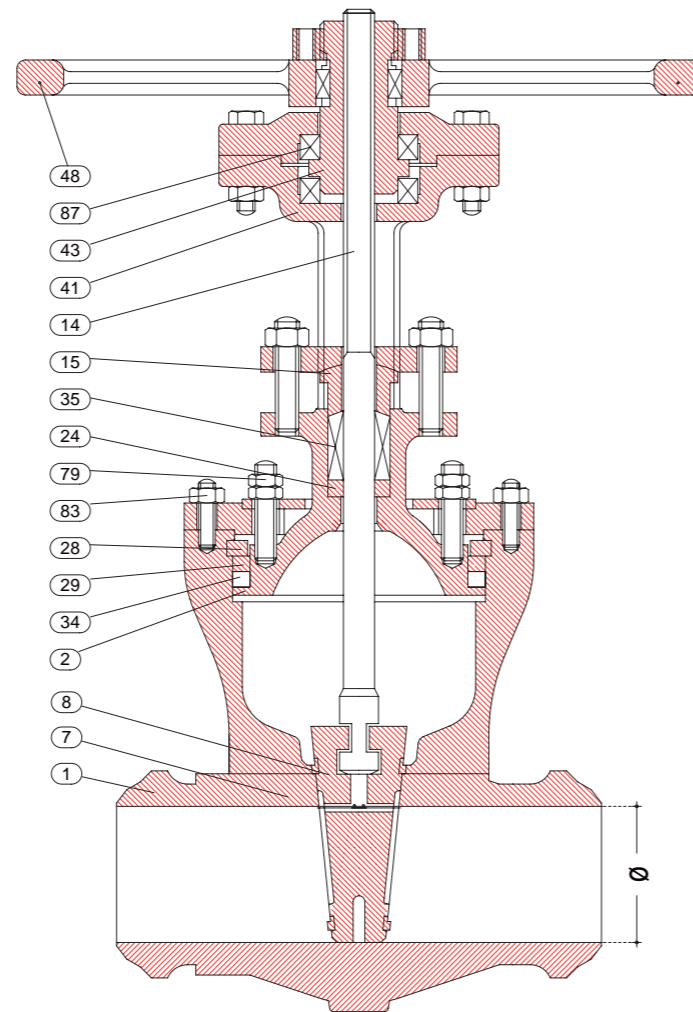
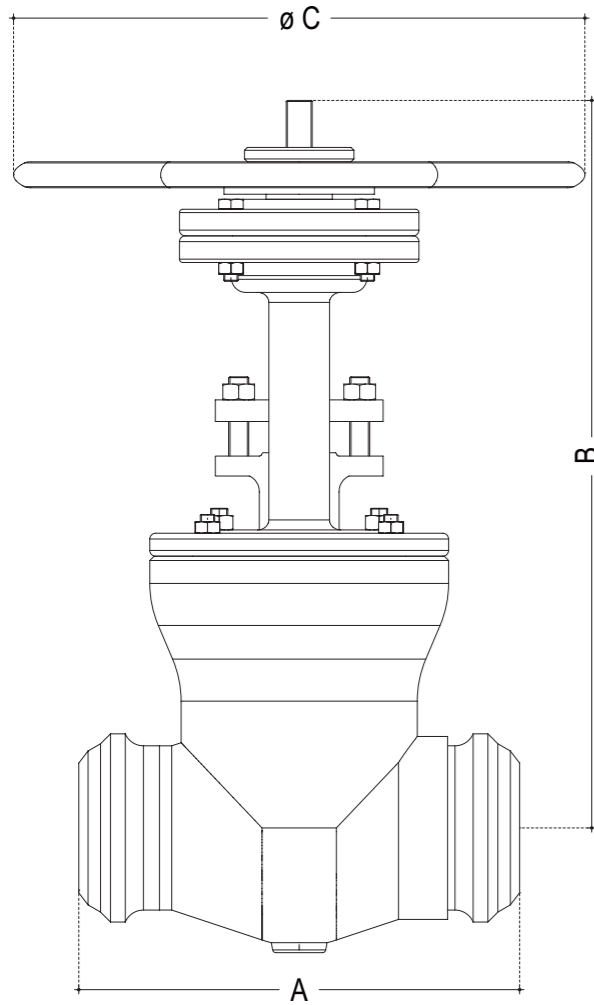
DIMENSIONS CLASS 600			
DN	A	B	Ø C
50	292	405	250
65	330	420	250
80	356	460	300
100	432	595	450
125	508	690	450
150	559	825	600
200	660	1065	600
250	787	1110	750
300	838	1770	#

WEIGHT KG	
600	
LUGGED	
50	30,00
65	39,00
80	51,00
100	96,00
125	135,00
150	213,00
200	355,00
250	598,00
300	825,00

DETAILS	
1	BODY
2	BONNET
7	SEAT RING
8	WEDGE
14	STEM
15	GLAND
16	BONNET BUSH
24	PKG SUPPORT RING
35	PACKING
36	GASKET
43	YOKE SLEEVE
48	HAND WHEEL
61	STUD/NUT

Model GS73

LONG BODY GATE VALVES CLASS 900-1500 SE



DETAILS	
1	BODY
2	BONNET
7	SEAT RING
8	WEDGE
14	STEM
15	GLAND
24	ANTI EXTRUSION RING
28	SEGMENT RING
29	SUPPORT RING
34	PRESSURE SEAL RING
35	PACKING
41	YOKE
43	YOKE SLEEVE
48	HANDWHEEL
79	RET.ST/NT/LK.NT
83	YOKE ST./NT
87	THRUST BEARING

DIMENSIONS CLASS 900 Bwe			
DN	A	B	Ø C
50	216	520	300
65	254	595	450
80	305	665	450
100	356	760	600
125	432	885	600
150	508	1070	#
200	660	1415	#
250	787	1525	#
300	914	1610	#

WEIGHT KG 900	
40,00	
55,00	
65,00	
87,00	
140,00	
250,00	
415,00	
610,00	
860,00	

TEST PRESSURE IN BAR			
CLASS	900	1500	2500
HYD SHELL	230	384	647
SEAT	169	282	474
AIR SEAT	6,9	6,9	6,9

• Bevel Gear Actuators Mandatory

DIMENSIONS CLASS 1500 Bwe			
DN	A	B	Ø C
50	216	520	300
65	254	595	450
80	305	650	600
100	406	760	#
125	483	910	#
150	559	1070	#
200	711	1475	#
250	863	1525	#
300	990	1610	#

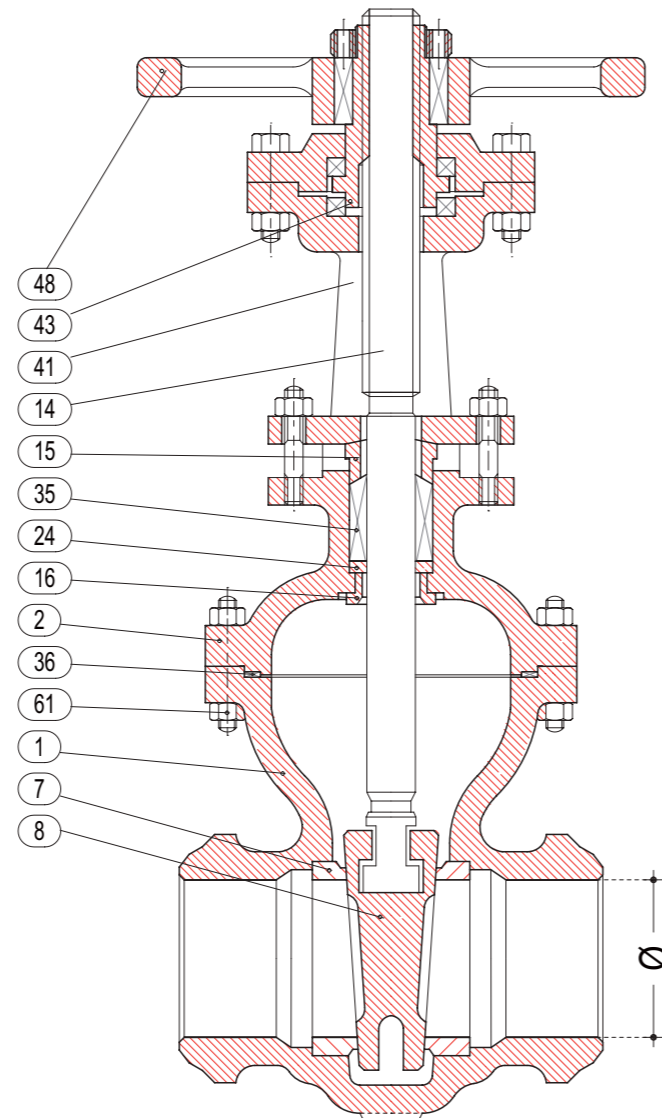
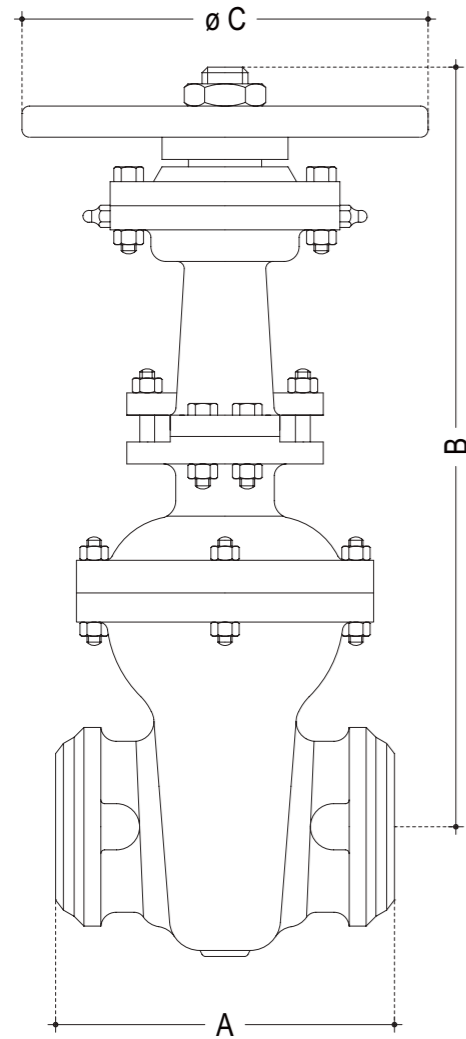
WEIGHT KG 1500	
40,00	
55,00	
76,00	
106,00	
190,00	
262,00	
558,00	
889,00	
1.580,00	

DIMENSIONS CLASS 2500 Bwe			
DN	A	B	Ø C
50	279	450	450
65	330	520	600
80	368	575	#
100	457	685	#
125	533	820	#
150	610	990	#
200	762	1350	#
250	914	1706	#
300	991	2145	#

WEIGHT KG 2500	
52,00	
79,00	
105,00	
148,00	
450,00	
510,00	
1.050,00	
1.265,00	
1.505,00	

Model GS74

LONG BODY GATE VALVES CLASS 600



DIMENSIONS CLASS 150			
DN	A	B	$\varnothing C$
15	108	210	100
20	117	215	100
25	127	250	150
40	165	300	200
50	178	345	200
65	190	410	200
80	203	435	250
100	229	550	250
125	254	650	300
150	267	750	300
200	292	960	450
250	330	1155	450
300	356	1390	600
350	381	1575	600
400	406	1710	750
450	432	1950	#
500	457	2225	#
600	508	2560	#
650	559	2800	#
700	610	3050	#
750	610	3130	#
800	660	3280	#
900	711	3720	#

WEIGHT KG 150	
15	4,00
20	4,50
25	6,20
40	11,20
50	16,50
65	25,00
80	27,00
100	43,00
125	55,00
150	78,00
200	125,00
250	190,00
300	288,00
350	315,00
400	420,00
450	650,00
500	725,00
600	1.305,00
650	1.550,00
700	1.880,00
750	2.300,00
800	2.550,00
900	3.390,00

DIMENSIONS CLASS 300			
DN	A	B	$\varnothing C$
15	140	210	100
20	152	215	100
25	165	250	150
40	190	300	200
50	216	345	200
65	241	425	250
80	282	460	250
100	305	550	300
125	381	685	450
150	403	790	450
200	419	990	450
250	457	1230	600
300	502	1475	600
350	762	1310	750
400	838	1870	#
450	914	2035	#
500	991	2220	#
600	1143	2550	#

WEIGHT KG 300	
15	4,60
20	6,00
25	7,50
40	14,20
50	19,00
65	28,00
80	43,00
100	75,00
125	98,00
150	133,00
200	215,00
250	368,00
300	475,00
350	580,00
400	985,00
450	1.185,00
500	1.545,00
600	1.805,00



TEST PRESSURE IN BAR			
CLASS	150	300	600
HYD SHELL	30	77	155
SEAT	22	57	113
AIR SEAT	6,9	6,9	6,9

• Bevel Gear Actuators Mandatory

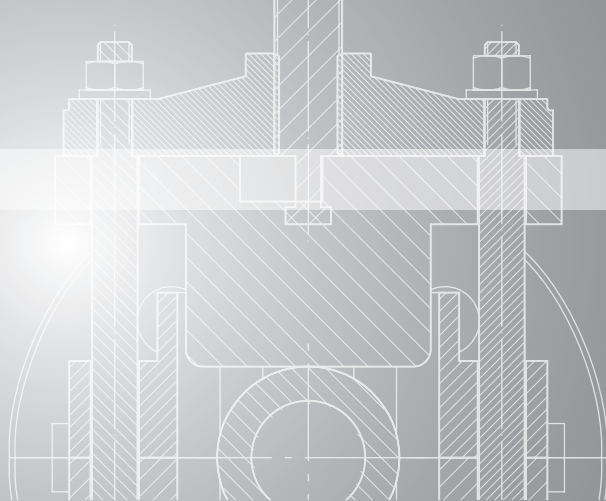
DIMENSIONS CLASS 600			
DN	A	B	$\varnothing C$
50	292	405	250
65	330	420	250
80	356	460	300
100	432	595	450
125	508	690	450
150	559	825	600
200	660	1065	600
250	787	1110	750
300	838	1770	#

WEIGHT KG 600	
50	30,00
65	39,00
80	51,00
100	96,00
125	135,00
150	213,00
200	355,00
250	598,00
300	825,00

DETAILS	
1	BODY
2	BONNET
7	SEAT RING
8	WEDGE
14	STEM
15	GLAND
16	BONNET BUSH
24	PKG SUPPORT RING
35	PACKING
36	GASKET
41	YOKE
43	YOKE SLEEVE
48	HAND WHEEL
61	ST/NT BODY TO BON
87	THRUST BEARING

TERMOPLASTIC VALVES





Uffici

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