

FLAPCON®

Tomorrow's Safety Today

FBA202-BS-M BALL VALVE

Two Pieces Body
Lever Operation
ISO 5211 Top Flange
DIN 3202-F4

METAL
SEAT



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



ACCREDITED
Management System
Certification Body
MSCB-135



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ABOUT FLAPCON

Company Profile

As a Flapcon Family;

Based on our knowledge and experience gained in the field of valves and automation for over 17 years, we meet customer needs with the best solution applications. Flapcon was established in 2017 to meet the valve and actuator needs of industrial users with accurate, timely and highest quality solutions.

Flapcon was established to bring industrial valves - actuators and automation technology equipment together with industrial users. We produce high quality solutions in the design, manufacturing and sales of manual and automatic process valves for all industry areas. With our comprehensive technical knowledge and experienced staff, we produce solutions for our customers to meet most valve and actuator requirements.

We aim to be a constantly preferred brand thanks to our high quality products compiled according to the needs of the processes and our competitive pricing policy.

Our products; It is used in nearly every industry including Oil & Gas, Refining, Petrochemical, Chemical Processing, Pulp & Paper, Mining, Transportation, Food & Beverage, Pharmaceutical, Marine, HVAC, Drinking and Wastewater treatment and more.

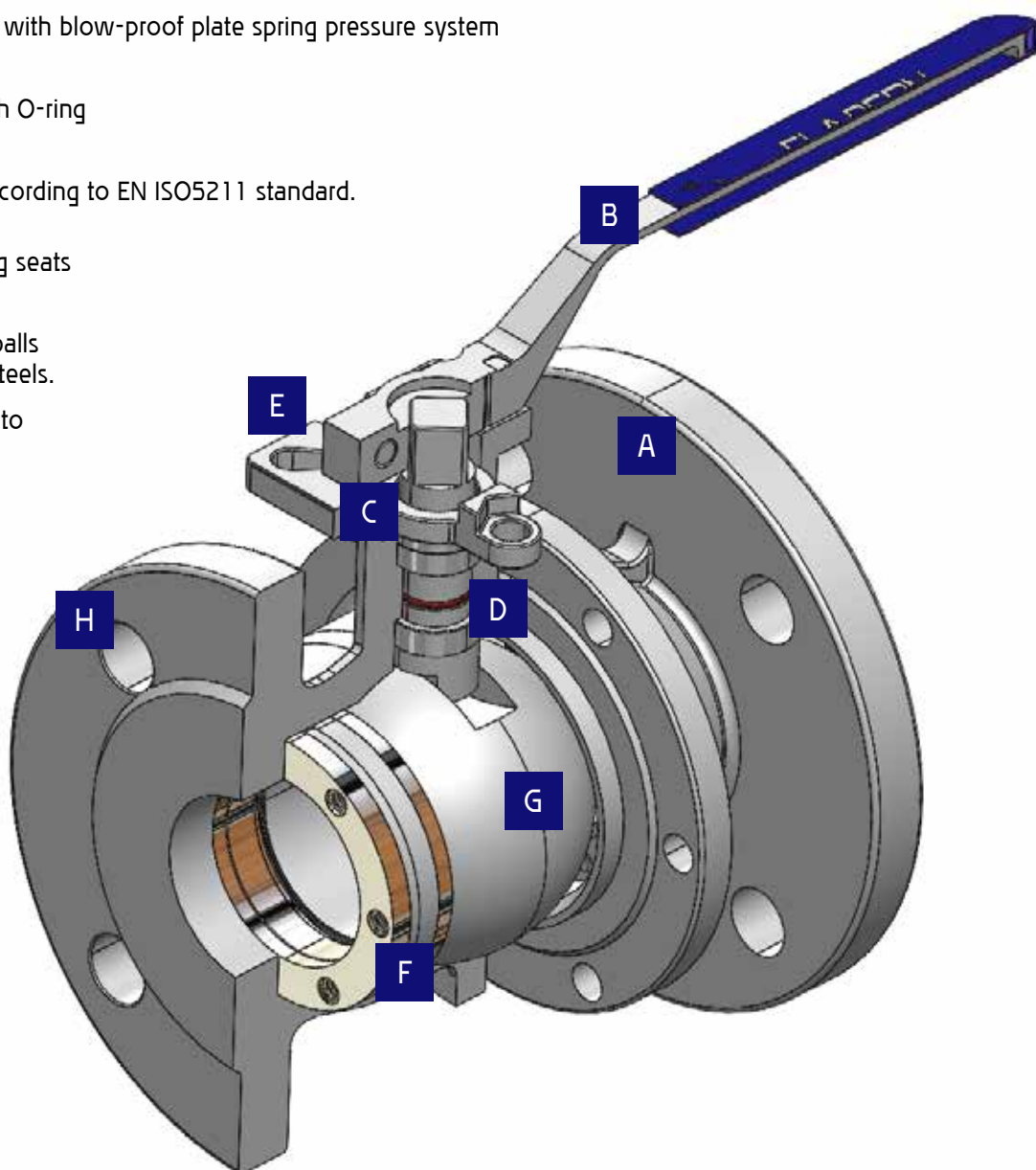
Kind Regards

FLAPCON VALVES & AUTOMATION SYSTEMS CO. LTD.

FBA 202-BS-M SERIES BALL VALVES

Performance Features

- A** High-tech bodies cast with precision casting technique are processed with high-precision CNC machines.
- B** Lever operation for manual use
- C** Superior performance with blow-proof plate spring pressure system
- D** Graphite packings with O-ring
- E** Actuator mounting according to EN ISO5211 standard.
- F** Metal to metal floating seats with inconel springs
- G** Solid or hollow type balls made from stainless steels.
- H** RF Flanges According to PN 16/25/40



FBA 202-BS-M SERIES BALL VALVES

Technical Literature

A - Body

FBA202-BS-M Series ball valves have a two pieces construction with investment castings.

B - Body

FBA202-BS-M series ball valves are produced with lever control as standard and are not compatible with actuator use.

C - Plate Springs

The plate spring system ensures shaft sealing by applying constant pressure to the shaft. The plate springs provide constant pressure to the Teflon sealing unit located in the shaft neck. Additionally, a gland maintains this pressure, eliminating the risk of explosion. An anti-static device is available upon request.

D - V-Ring System

Packings with a V-shaped bearing create a concentric coating under the pressure of the plate spring. This increases the adhesion of the gasket to the body, preventing leakage.

E - Top Flange

FBA202-BS-M Series ball valves are produced with lever control as standard and are compatible with EN ISO5211 top flange to actuator use.

F - Ball Seats

Metal-to-metal ball seats are supported by inconel springs. With the lapping method, the metal fits perfectly on the metal surface and zero leakage is achieved.

G - Ball

Balls are manufactured from solid stainless steel up to DN32 as standard. Larger diameters are manufactured as hollow. However, all balls can be manufactured as solid upon request.

H - Ends

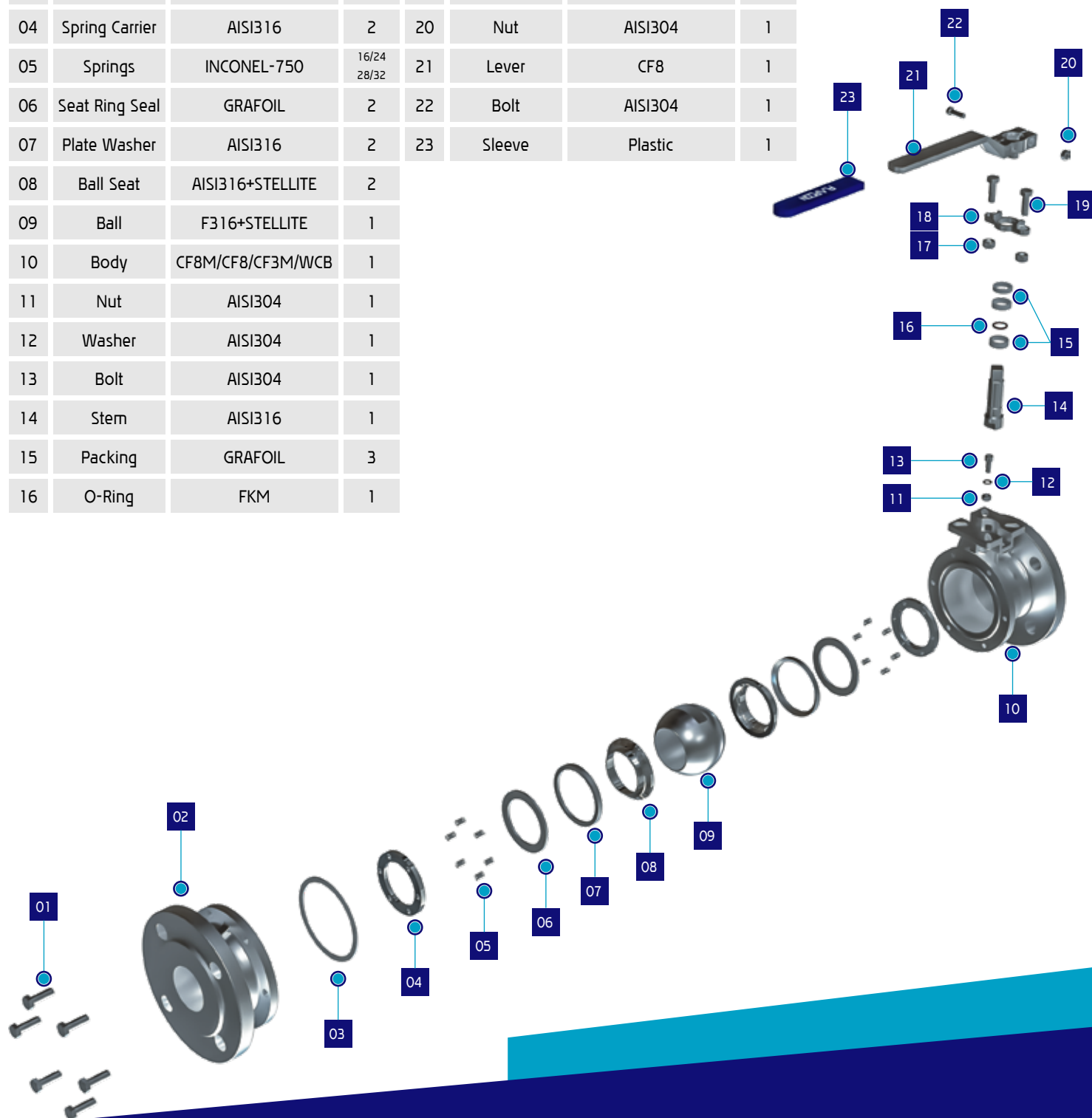
FBA202-BS-M series ball valves are manufactured with RF PN16~40 Flanged.

SPECIFICATIONS	DESCRIPTIONS
Dimensions	DN50 ~ DN100 (NPS 2" ~ NPS 4")
Pressure Class	PN 16 ~ 40 (232 ~ 580 PSI)
Vacuum	-760 mm/HG
Temperature Ratings	-25 °C ~ +180 °C (-13 °F ~ 356 °F)

FBA 202-BS-M SERIES BALL VALVES

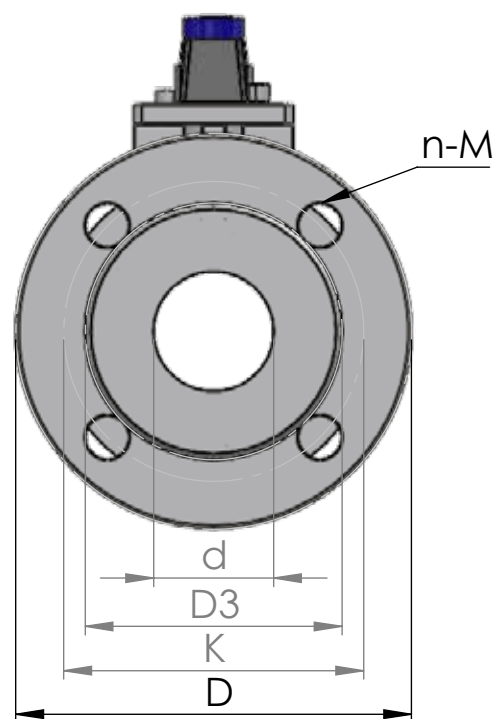
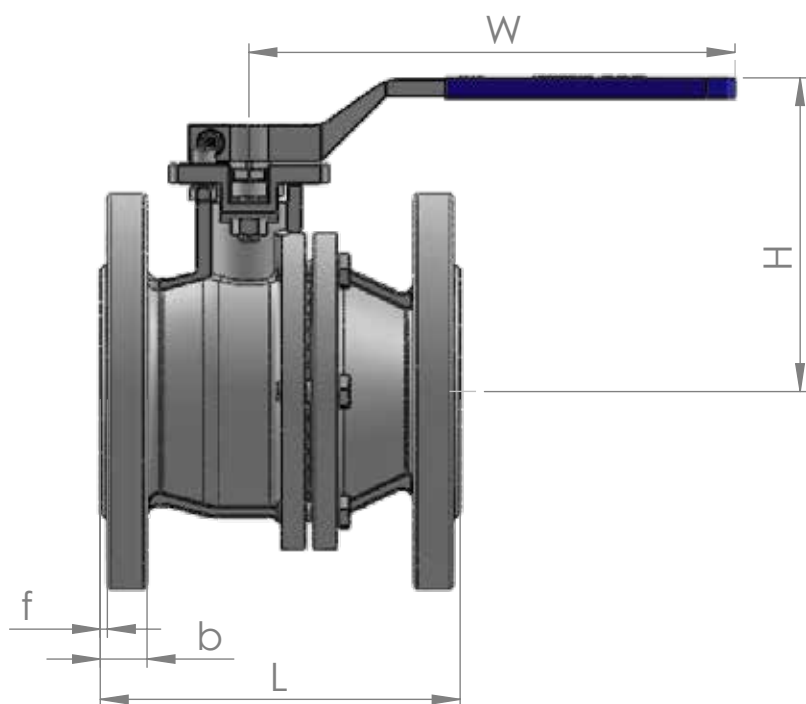
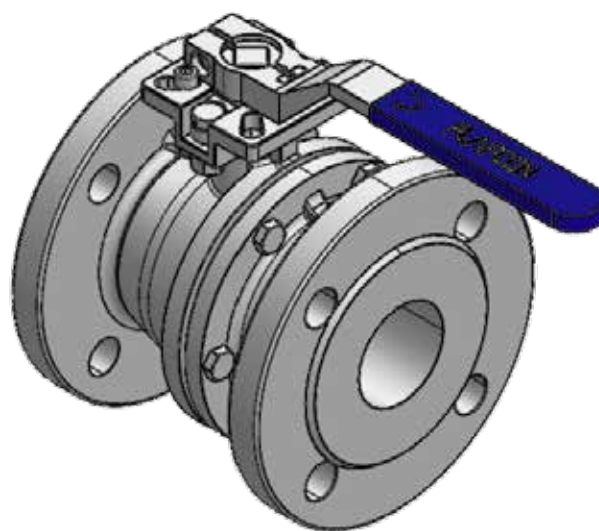
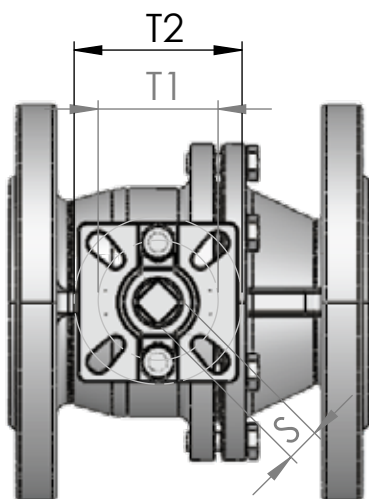
Part List "DN50 ~ 100"

ITEM	PART NAME	MATERIALS	QTY'S	ITEM	PART NAME	MATERIALS	QTY'S
01	Bolts	AISI304	6/8	17	Nut	AISI304	2
02	Side Body	CF8M/CF8/CF3M/WCB	1	18	Gland	CF8M	1
03	Body Gasget	AISI316+GRAFOIL	2	19	Bolt	AISI304	2
04	Spring Carrier	AISI316	2	20	Nut	AISI304	1
05	Springs	INCONEL-750	16/24 28/32	21	Lever	CF8	1
06	Seat Ring Seal	GRAFOIL	2	22	Bolt	AISI304	1
07	Plate Washer	AISI316	2	23	Sleeve	Plastic	1
08	Ball Seat	AISI316+STELLITE	2				
09	Ball	F316+STELLITE	1				
10	Body	CF8M/CF8/CF3M/WCB	1				
11	Nut	AISI304	1				
12	Washer	AISI304	1				
13	Bolt	AISI304	1				
14	Stem	AISI316	1				
15	Packing	GRAFOIL	3				
16	O-Ring	FKM	1				



FBA 202-BS-M SERIES BALL VALVES

Technical Drawing "DN50 ~ 100"



FBA 202-BS SERIES BALL VALVES

Dimensions in "mm" DIN EN 1092-1 PN 16 ~ 40

DN	INCH	PN	L	d	D3	K	D	n-M	b	f	H	W	T1	T2	S	Nm
50	2"	10~40	150	50	125	102	165	4-Ø18	20	3	130	203	F05	F07	14X14	Please Ask
65	2-1/2"	10~40	170	65	145	122	185	8-Ø18	18	3	170	255	F07	F10	17X17	Please Ask
80	3"	10~40	180	80	160	138	200	8-Ø18	20	3	180	255	F07	F10	17X17	Please Ask
100	4"	10~40	190	100	180	158	220	8-Ø18	20	3	205	302	F07	F10	17X17	Please Ask

FBA 202-BS SERIES BALL VALVES

Technical Details

DN	NPS	Cv	Kv (m³/h)	Kgs	Pressure - Temperature Rating	
50	2"	426.00	365.00	10.50		
65	2-1/2"	577.70	495.00	15.60		
80	3"	1132.00	970.00	19.85		
100	4"	1890.50	1620.00	28.50		



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Authorized Distributor

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