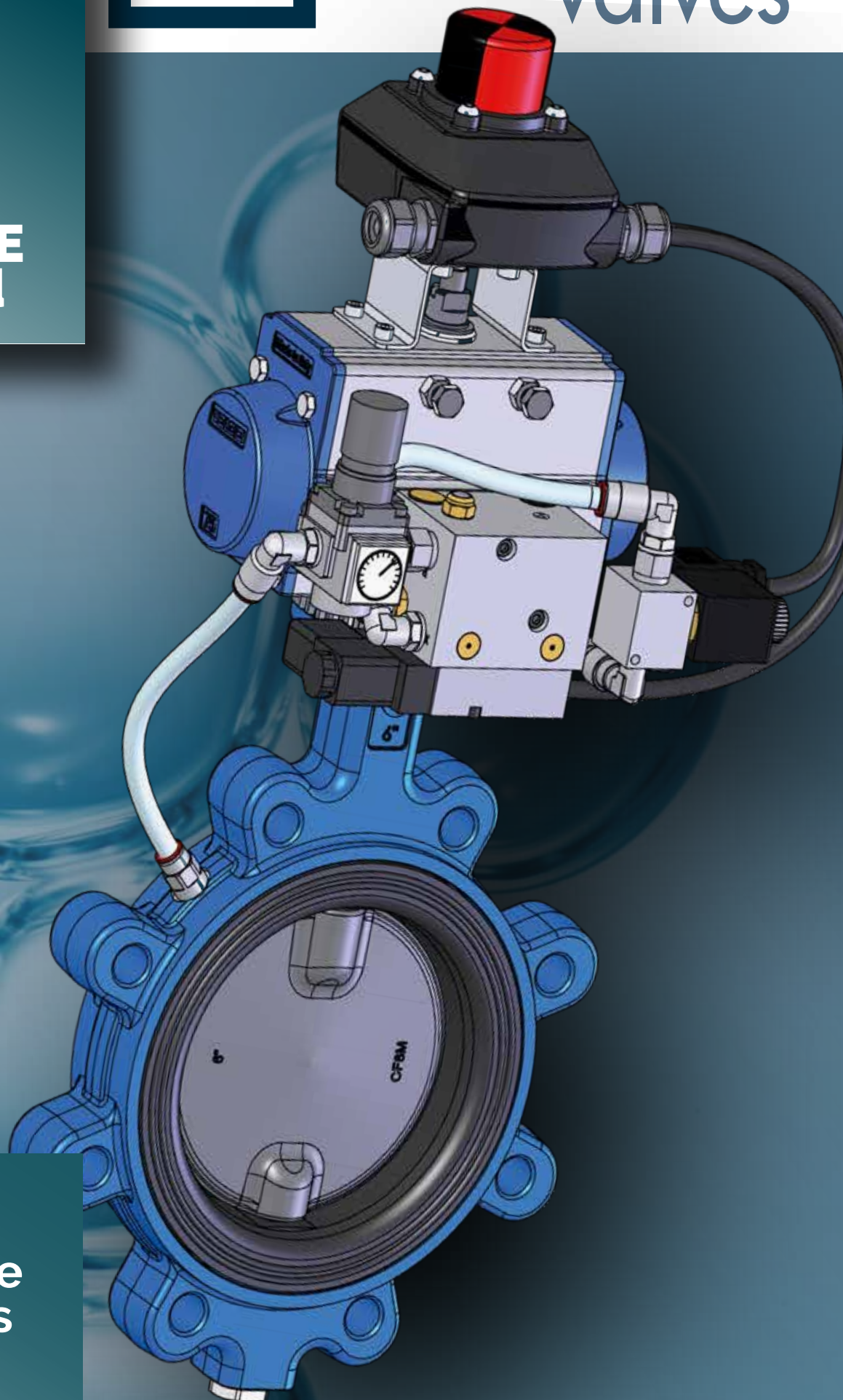




**Butterfly
valves**

**INFLATABLE
soft seated**

GIBSON
valves



**For powder
and abrasive
applications**



Butterfly valves

INFLATABLE SOFT SEATED

Ghibson soft seated butterfly valves (PD, KI, KA, KX and DL series) are designed to fit in industrial applications from powder conveyance to marine and petrochemical requirements.

The BVDL and BLDL series was created for the handling of loose products, in which the disc geometry and the working principle is designed to allow low opening/closing friction and abrasion.



BVDL e BLDL Series

- technical data
- components DN 50-300
- components DN 350-500

1
2
3

- operating principle
- dimensions

4
4



GHIBSON

Zola Predosa
Bologna

Ghibson Italia srl reserves
the right to change
and/or update
data/content without
previous notice.



BVDL - Wafer **BLDL** - Lug
DN 50 - 500 • 2" - 20"

Only complete package available
(with actuation system included).
Bare shaft configuration not salable.

Max working pressure:

BVDL/BLDL DN 50÷500: **6 Bar**

Flange: **PN 6 - 10 - 16 • A150**

Design:

EN 593 ~ EN 736 ~ EN 12516 ~ EN 1092

ISO 5211 ~ DIN 3337 ~ API 609

PED 2014/68/EU - Mod. H

Face to face:

DIN EN 558 Series 20 ~ ISO 5752 Series 20

BS-5155 Series 4 ~ MSS-SP67

API609 cat.A ~ NFE 29305-1

Feeding pressure for actuating system:

Min: 5bar ~ Max: 8 bar

Feeding tension for actuating system:

24 VDC ~ 110 VAC ~ 230VAC

To be defined in the order

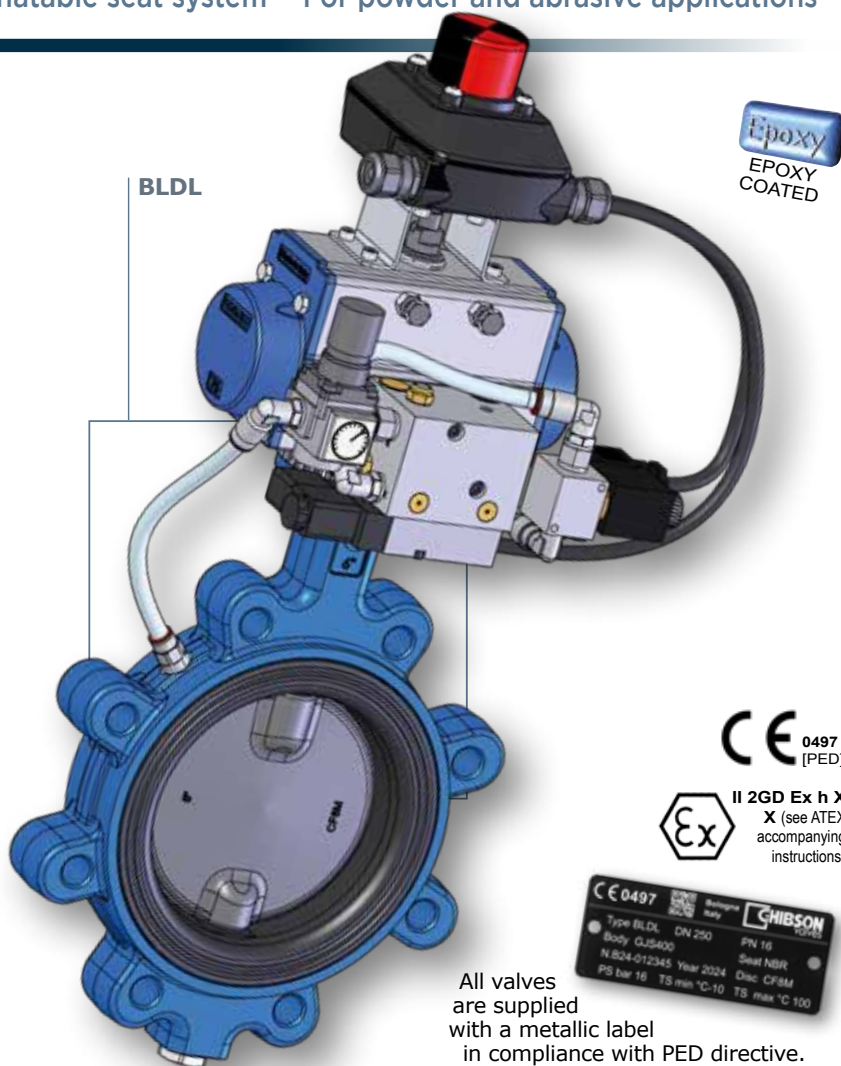
Testing:

EN 12266-1 Rate A (supersedes DIN 3230)

ISO 5208 Rate A ~ API 598

Tag:

EN 19 ~ MSS SP-25



All valves
are supplied
with a metallic label
in compliance with PED directive.

BODY *

material	references	standard coating	DN
Ductile iron	EN-GJS 400-15 (GS400)	Epoxy RAL 5009	50-500
Carbon steel	ASTM A216-WCB	Epoxy RAL 9005	50-500
Stainless steel	ASTM A351 CF8M (A316)	-	50-500
Aluminium	EN AB 46400	Epossidico RAL 7024	50-500 only wafer

DISC *

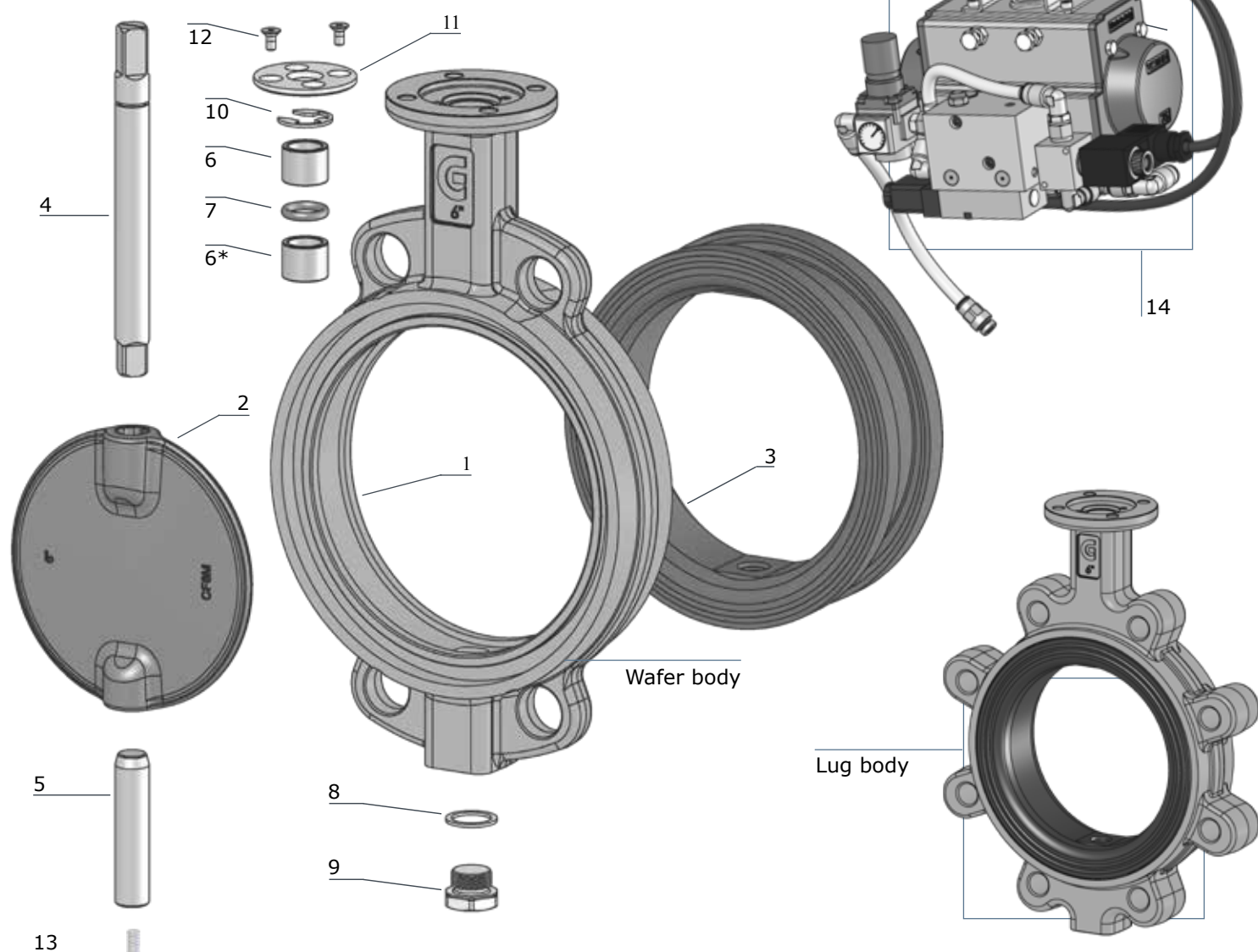
material	references	standard coating	DN
Stainless steel	ASTM A351 CF8M (A316)	-	50-500

BODY RUBBER SEAT *

references	designation	trade name	working temp.
NBR	nitrile rubber	BUNA®	-25°C / +100°C
MVQ	silicon rubber	-	-60°C / +190°C
FKM	fluoroelastomer	VITON®	-20°C / +200°C

* On request can be supplied other materials

BVDL - Wafer **BLDL** - Lug
DN 50 - 300 • 2" - 12"
PN 6-10-16 • ANSI 150

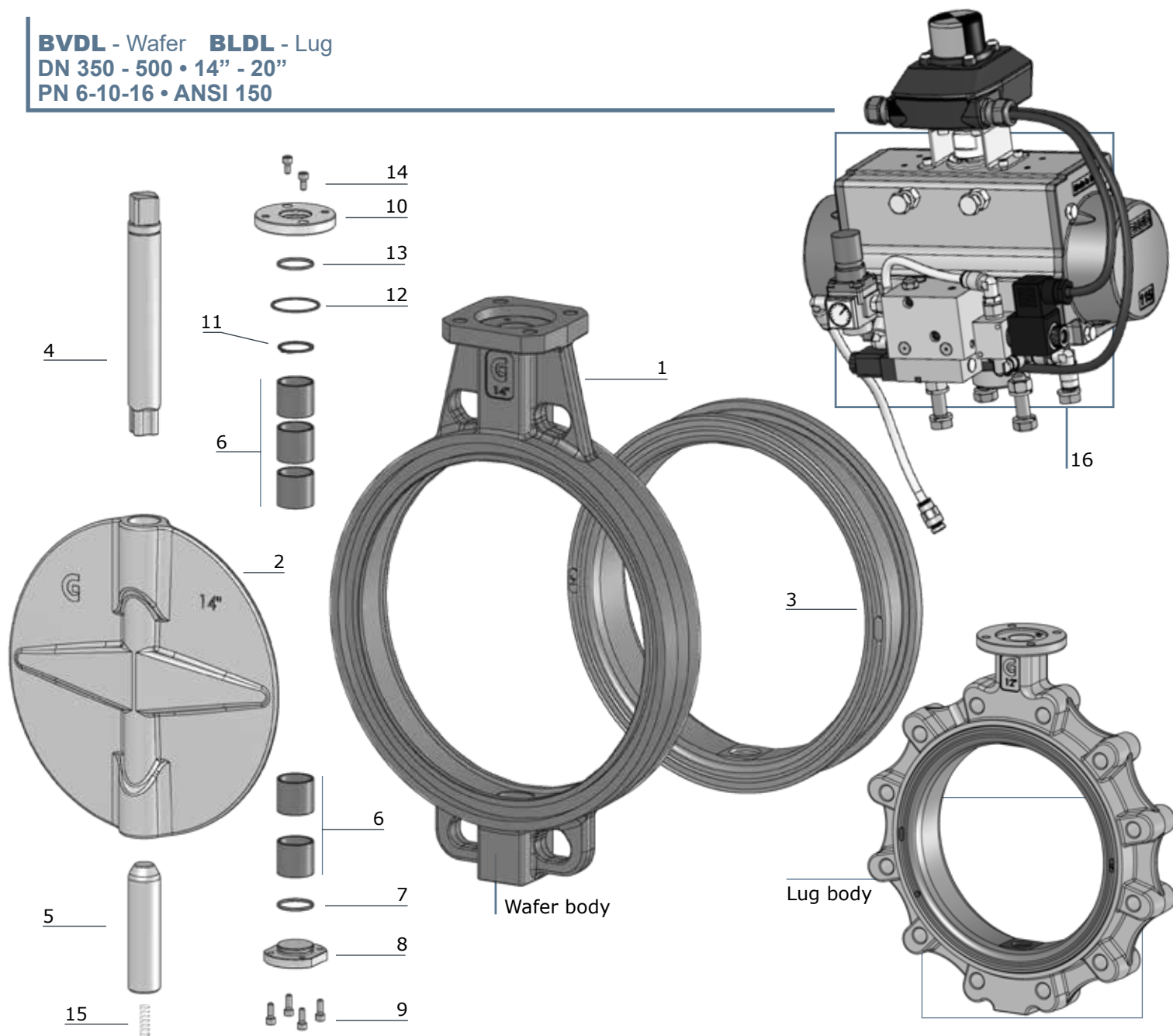


◇ parts included in spare kit * only for DN300

item	q.ty	part	material
1	1	body	EN-GJS400-15 (GS400) EN 1.069~ A216-WCB 1.4408~ A351-CF8M (AISI 316) EN AB 46400 (only WAFER)
2	1	disc	EN 1.4408~ A351-CF8M
◇3	1	body seat (replaceable)	NBR (BUNA®) silicon rubber FKM (VITON®)
4	1	upper shaft	EN 1.4016~A430 EN 1.4401~A316 (on request)
5	1	lower shaft	EN 1.4016~A430 EN 1.4401~A316 (on request)
◇6	1	bush	bronze

item	q.ty	part	material
◇6*	6	bush	A105+PTFE A316+PTFE (only Inox body)
◇7	1	shaft packing	NBR (BUNA®) FKM (VITON®) on request
8	1	plug packing	aluminium PTFE (CF8M body)
9	1	threaded plug	zinc plated steel 1.4401~A316 (CF8M body)
10	1	stop ring	steel
11	1	upper flange	IXEF (DN 40-150) aluminium (DN 200-300)
12	2	screw	10.9 zinc plated steel A4~A316 (CF8M body)
13	1	spring	1.4401 ~ A316 (antistatic device)
14	1	Inflatable actuating system	

BVDL - Wafer **BLDL** - Lug
DN 350 - 500 • 14" - 20"
PN 6-10-16 • ANSI 150



◇ parts included in spare kit

item	q.ty	part	material
1	1	body	EN-GJS400-15 (GS400) EN 1.069~ A216-WCB 1.4408~ A351-CF8M (AISI 316) EN AB 46400 (only WAFER)
2	1	disc	EN 1.4408~ A351-CF8M
◇3	1	body seat (replaceable)	NBR (BUNA®) silicon rubber FKM (VITON®)
4	1	upper shaft	EN 1.4016~A430 EN 1.4401~A316 (on request)
5	1	lower shaft	EN 1.4016~A430 EN 1.4401~A316 (on request)
◇6	5	bush	bronze steel+PTFE (DN 450-500)

item	q.ty	part	material
◇7	1	packing lower flange	NBR (BUNA®)
8	1	lower flange	zinc plated steel 1.4401~A316 (CF8M body)
9	4	screw	8.8 zinc plated steel A4~A316 (CF8M body)
10	1	upper flange	zinc plated steel 1.4401~A316 (CF8M body)
11	1	stop ring	steel
◇12	1	O. ring	NBR (BUNA®)
◇13	1	O. ring	NBR (BUNA®)
14	2	screw	8.8 zinc plated steel A4~A316 (CF8M body)
15	1	spring	1.4401 ~ A316 (antistatic device)
16	1	Inflatable actuating system	

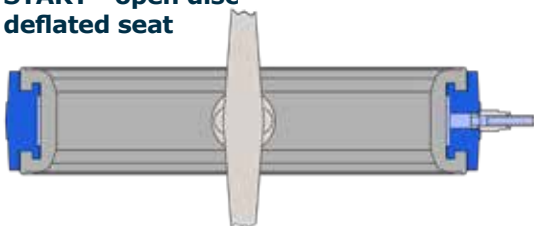
BVDL - Wafer **BLDL** - Lug
DN 50 - 500 • 2" - 20"

Pneumatic Seated Valves:

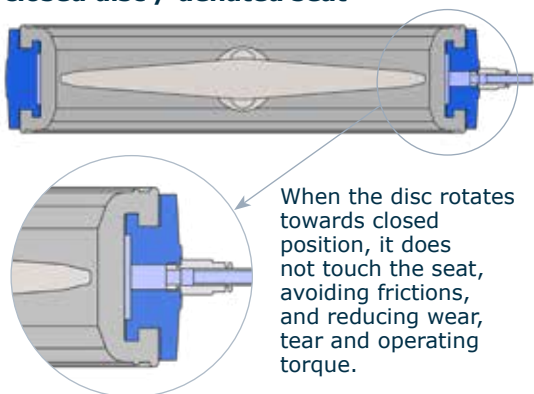
- created for bulk handling, in which the disc geometry is studied to permit low torque open/close.
- the lower friction disc/seat highly reduces heavily wear of the seats over time.
- longer lifetime of the valves and possibility to use of smaller actuators guarantee economical and space advantage.
- easy installation with pre-packaged actuating solution.

Operating principle

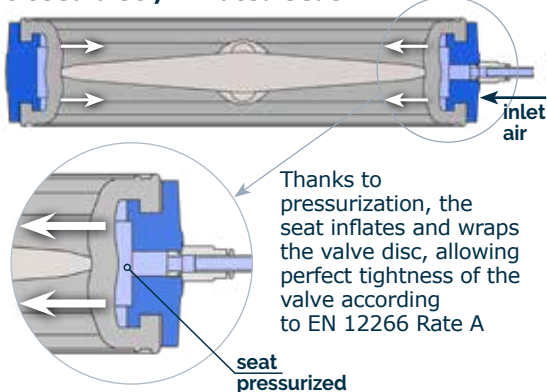
1. START - open disc deflated seat



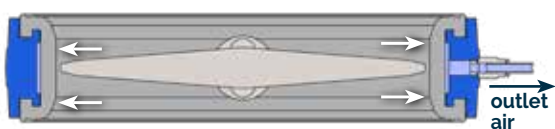
2. closed disc / deflated seat



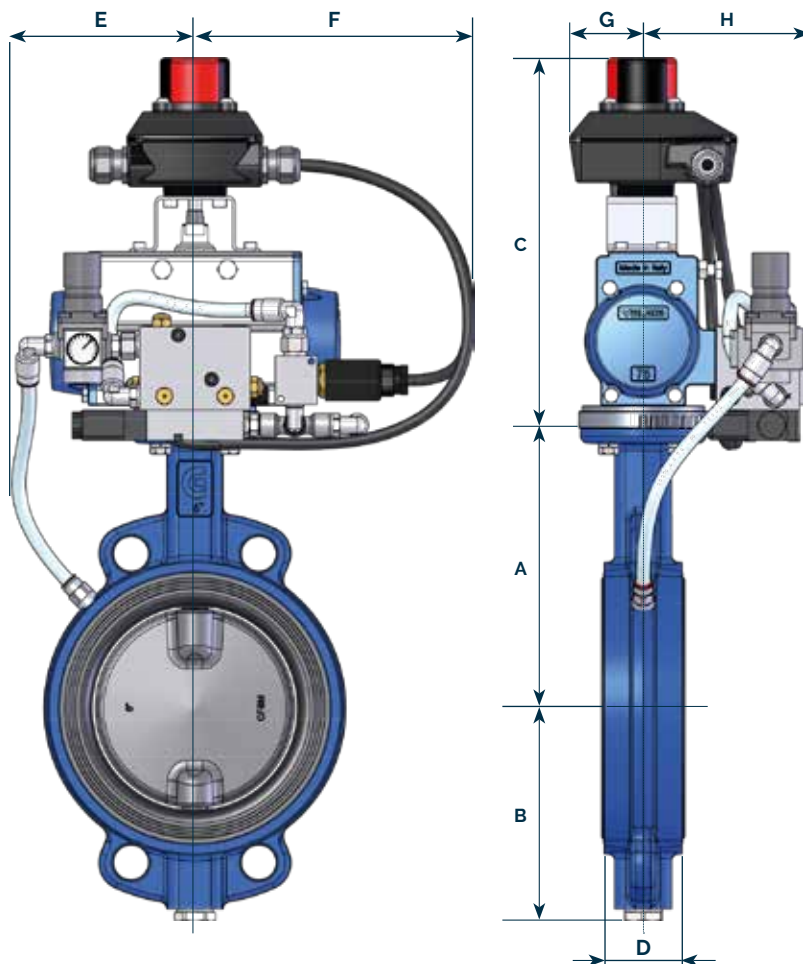
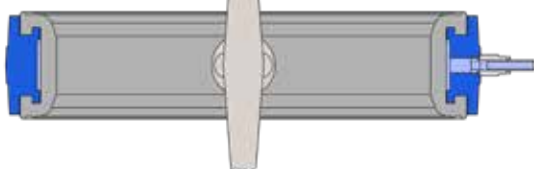
3. closed disc / inflated seat



4. closed disc / deflated seat



5. END - open disc deflated seat



Dimensions

DN	A	B	C	D	E	F	G	H	VALBIA DOUBLE ACTING ACTUATOR SIZE
050	138	81	266	43	128	200	52	121	DA 75
065	144	98	266	46	128	200	52	121	
080	158	110	266	46	128	200	52	121	
100	173	128	266	52	128	200	52	121	
125	186	140	266	56	128	200	52	121	
150	202	155	266	56	128	200	52	121	DA 100
200	240	190	297	60	137	200	64	136	
250	270	220	297	68	137	200	64	136	
300	300	247	297	78	137	200	64	136	DA 115
350	330	280	352	78	166	200	66	141	
400	355	305	352	102	166	200	66	141	DA 125
450	400	343	364	114	186	200	87	148	
500	422	366	364	127	186	200	105	148	



MORE THAN 40 YEARS OF HIGH QUALITY EXPERIENCE

Gibson Italia can now boast of more than 40 years of experience in manufacturing of industrial valves.

In these 40 years we have designed and manufactured in our facilities in Italy butterfly valves and check valves, for the most different industrial applications.

We export our products all over the world always providing our customers with the best assistance during all the phases: design, installation, maintenance.

MARKET SEGMENTS and APPLICATIONS

Marine
Water Treatment
Pulp & Paper
Power Plant
Nuclear Plant
HVAC
Chemical & Petrochemical
Powder Conveying Systems
Food & Beverage

Steam isolation - Vacuum service - Refining
Cooling Water systems - Metallurgical processes
Powder transportation & storage
Oil field recovery - Liquid natural gas
Steam service - Steam Turbine
Saltwater Service - District heating & cooling
Hot Air & Smokes
Chemicals storage & transportation
Food & Beverage processes

DEPARTMENTS

- RESEARCH & DEVELOPMENT
- DESIGN
- CUSTOMIZATION
- PRODUCTION & LOGISTIC
- SALES & MARKETING

- QUALITY CONTROL
- CERTIFICATIONS
- PACKING AND SHIPPING
- AFTER SALES SUPPORT

WIDE RANGE OF PRODUCTS

Very large choice of materials including valves of every alloy of carbon or stainless steel, bronze, aluminium, as well as with PTFE or Polypropylene.

We manufacture rubber seated valves with many elastomer types (EPDM, NBR, FKM, Silicone, Carboxidate among others), as well as PTFE, RTFE seated valves with many different coatings such as Halar, Rilsan, PFA, Chenisil, etc.

We can offer a total assistance:

- before selling we can start from dimensioning the valves and actuators, make selection of materials for all parts upon knowing the specification, prepare all types of drawings etc.
- after selling we make final documentation, provide installation supervision, undertake commissioning etc.

BUTTERFLY VALVES

Rubber Seated
PTFE Seated
High Performance
Damper Valves

ACTUATORS & OPTIONS

Pneumatic - Electric -
Hydraulic

CONTROL SYSTEMS

CUSTOMIZED VALVES

CHECK VALVES

Disc type - Swing type
Dual plate

CERTIFICATIONS





GHIBSON
valves

*not just valves,
but solutions*



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