

GIBSON valves



*butterfly valves
for abrasive fluids*





BUTTERFLY

valves

for abrasive and corrosive applications

Ghibson Italia produce from more than 35 years only butterfly and check valves. In these years we had the possibility to cumulate a huge experience in different sectors, either industrial or marine. Bulk handling or abrasive media represent from a while a major part of the industrial sectors our company serve. This experience let us tackle and solve many technical problems to a variety of customers in the most demanding applications.

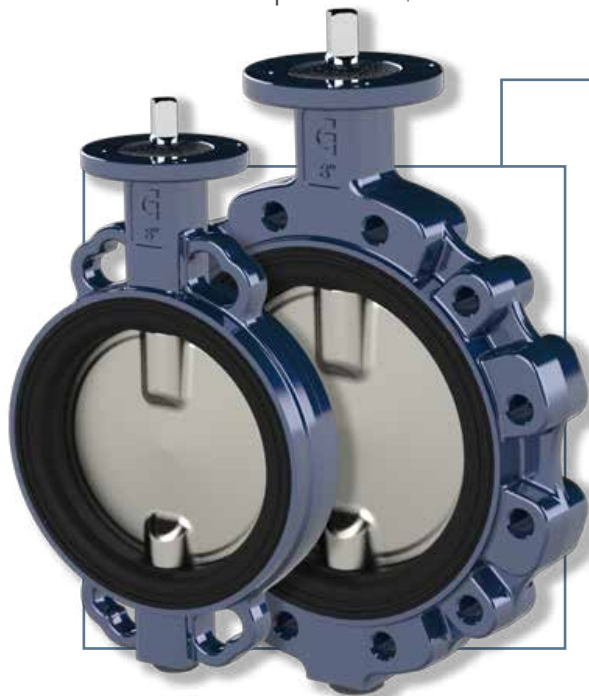
Today for abrasive and aggressive application we have two types of valves.

PD (PowDers) series is a rubber seated valve created for bulk handling, in which the disc geometry is studied to permit low torque open/close and reduce heavily wear of the seats over time. This helps increasing lifetime of the valves and in the meantime permit use of smaller actuators, with considerable economical and space advantage

In case the abrasive media would be also corrosive or reach high temperatures (max 190°C),

TT series should be used, that thanks to the high temperature silicon backed fluoro-polymer seat guarantee high performances also in demanding applications.

With regard to the numerous and varied applications and relevant variables (fluid or dust, granularity, temperature, speed, frequency, chemical compatibility) all solutions should be analyzed and defined with our technical department, that will be available for any need



Discs range include:

- Ductile iron GS40
- Chenisil coated ductile iron GS40
- Aisi 316
- Chenisil coated AISI316
- Halar coated AISI 316
- Alubronze
- Special Alloys on request

BUTTERFLY VALVES Rubber seated - PD Series

type	DN	Pmax	vacuum	Flanges
Wafer, Lug	DN80÷500	10bar	N	PN 6-10-16 • A150
Wafer, Lug	DN600-800	6bar		PN 6-10-16 • A150



Rubber seats range include:

- NBR Tmax 90°C
- Carboxide Tmax 90°C
- Polyurethane Tmax 90°C
- Natural rubber Tmax 80°C
- FKM Tmax 150°C

Valve bodies materials can be :

- Aluminium (wafer only),
- Ductile iron,
- WCB steel,
- A316 Stainless steel,
- Alubronze,
- Special Alloys on request

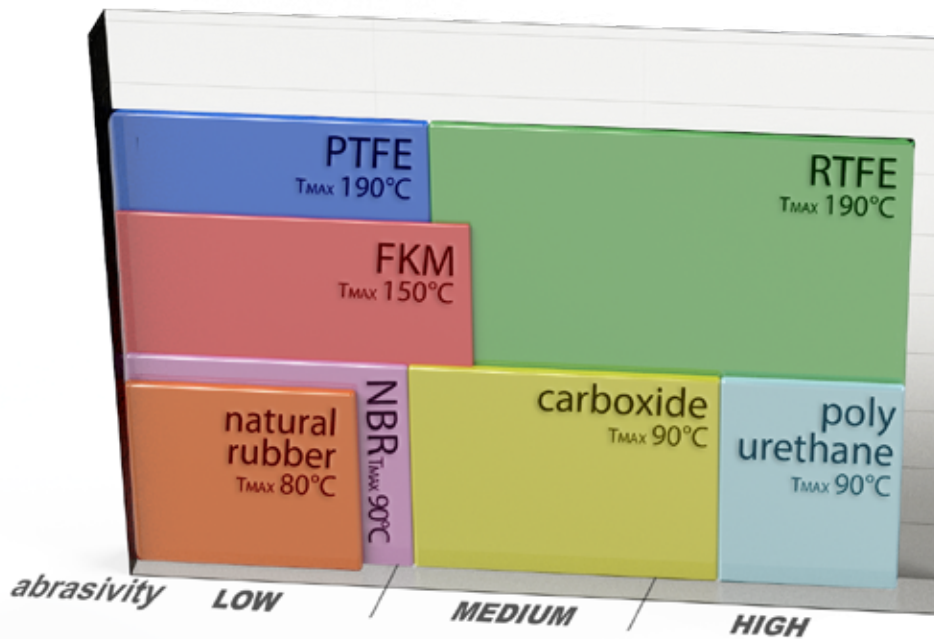


CERTIFICATIONS



Typical applications

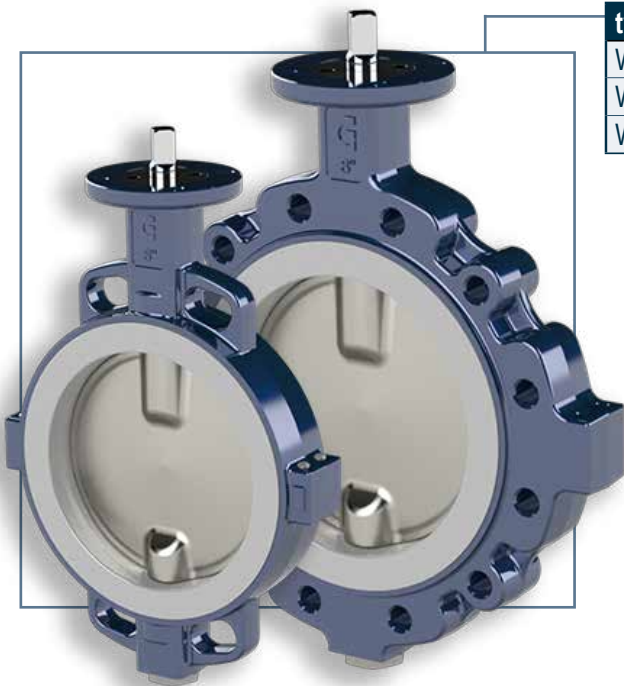
Alumina	Metallurgical coke
Bentonite	Mineral black
Borax	Mortar mix
Calcium	Pellet silicon dioxide
Cement	Petroleum coke
Ceramic dust	Plastic Pellet
Chopped fiberglass	Polyester pellets
Clay	Polyethylene powder
Coal	Polypropylene pellets
Coke	Polystyrene pellets
Dolomite	Pvc compounding
Dry ash	Pvc powder
Fiberglass	Resin
Fine dry ceramic	Salt crystals
Fine salt	Sand
Graphite	Silica sand
Gypsum	Silicates
Iron powder	Talc
Lime	Tobacco
Limestone	Urea prills
Magnesite	Vermiculite
Metal powder	Zinc powder



The above graphic is indicative only.
Any application to be agreed with our technical department

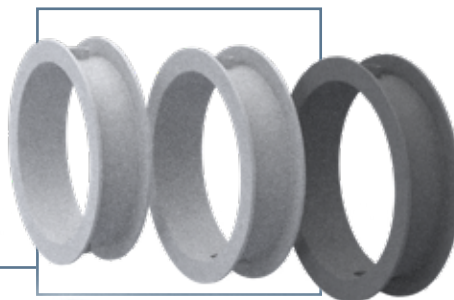
BUTTERFLY VALVES PTFE seated - TT Series

type	DN	Pmax	vacuum	Flanges
Wafer, Lug	DN40÷200	16bar	Y (no PTFE disc)	PN 10-16 • A150
Wafer, Lug	DN250÷400	10bar		PN 6-10-16 • A150
Wafer, Lug	DN500÷600	6bar		PN 10-16 • A150



Valve body can be:
Ductile iron,
WCB steel,
A316 Stainless steel,
Special Alloys on request.

The seat can be in:
PTFE – RTFE
(PTFE Glass reinforced PTFE),
conductive RTFE
(carbon reinforced RTFE).
Elasticity is guaranteed with use
of **HT Silicon** (standard)
or **FKM** (at request) backing.



The disc:
AISI316,
PTFE coated SS,
Chenil coated SS,
HALAR coated AISI 316,
Special Alloys on request.



CERTIFICATIONS



MARKET SEGMENTS

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

APPLICATIONS

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 - Hot Air & Smokes
District heating & cooling
Chemicals storage & transportation
Food & Beverage processes

Our Practice Room

Sassuolo district
*is the avant-garde in the world
for the high quality ceramics.*

*Many companies are equipped
with our valves from long time,
and the proximity with this territory
gave us the possibility to improve
our knowledge on abrasive
applications.*



*In the meantime, 35 years
of experience gave us also
the possibility to find solutions
for the maritime
industry*



ACTUATORS & OPTIONS

Gibson offers a wide range of actuators and accessories for valve automation. Normally supplied as part of complete assemblies with valves divided into the following types:

PNEUMATIC

Pneumatic actuators are based on rack and pinion technology, very compact and resistant.

Available with different options for any kind of industrial applications and ambient conditions. With all types of accessories. Standard/special executions.



ELECTRIC

Electric actuators are available in different versions for ON-OFF and/or regulating applications.

Electric actuators also include Atex versions as well a wide range of customizations.



HYDRAULIC

Gibson's own manufactured hydraulic actuators (ARES series) are designed to fulfill the specific requirement in industrial applications: compact design and high performance are the main characteristics of this product range



BUTTERFLY VALVES

GHIBSON ITALIA

can now boast of more than 35 years of experience in manufacturing of industrial valves. We export our products all over the world always providing our customers the best assistance during all the phases: design, installation, maintenance.

HIGH PERFORMANCE

specifically designed for high demanding applications where the valve performance is critical. Available in different materials and ratings. The Fire safe version is Fire tested to API 607-6th ed.



PTFE SEATED

available in a wide range of materials combinations, and specifically designed for the chemical industry and heavy duty applications.

RUBBER SEATED

designed to fit in industrial applications from powder conveyance to marine and petrochemical requirements.



DAMPER VALVES

fully manufactured and designed according to customer requirements, mainly used with high temperature combined with low pressure applications.

CHECK VALVES



DISC TYPE

represent an extensive combination of solutions starting from low pressure design up to 160 Bars.

SWING TYPE

manufactured in many materials as well as pressure ratings and flange connections. Available for general purpose applications and also with spring loaded flap.





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