



Butterfly Valves



Butterfly valves catalogue
Ref. BT-20036
September 2004 edition

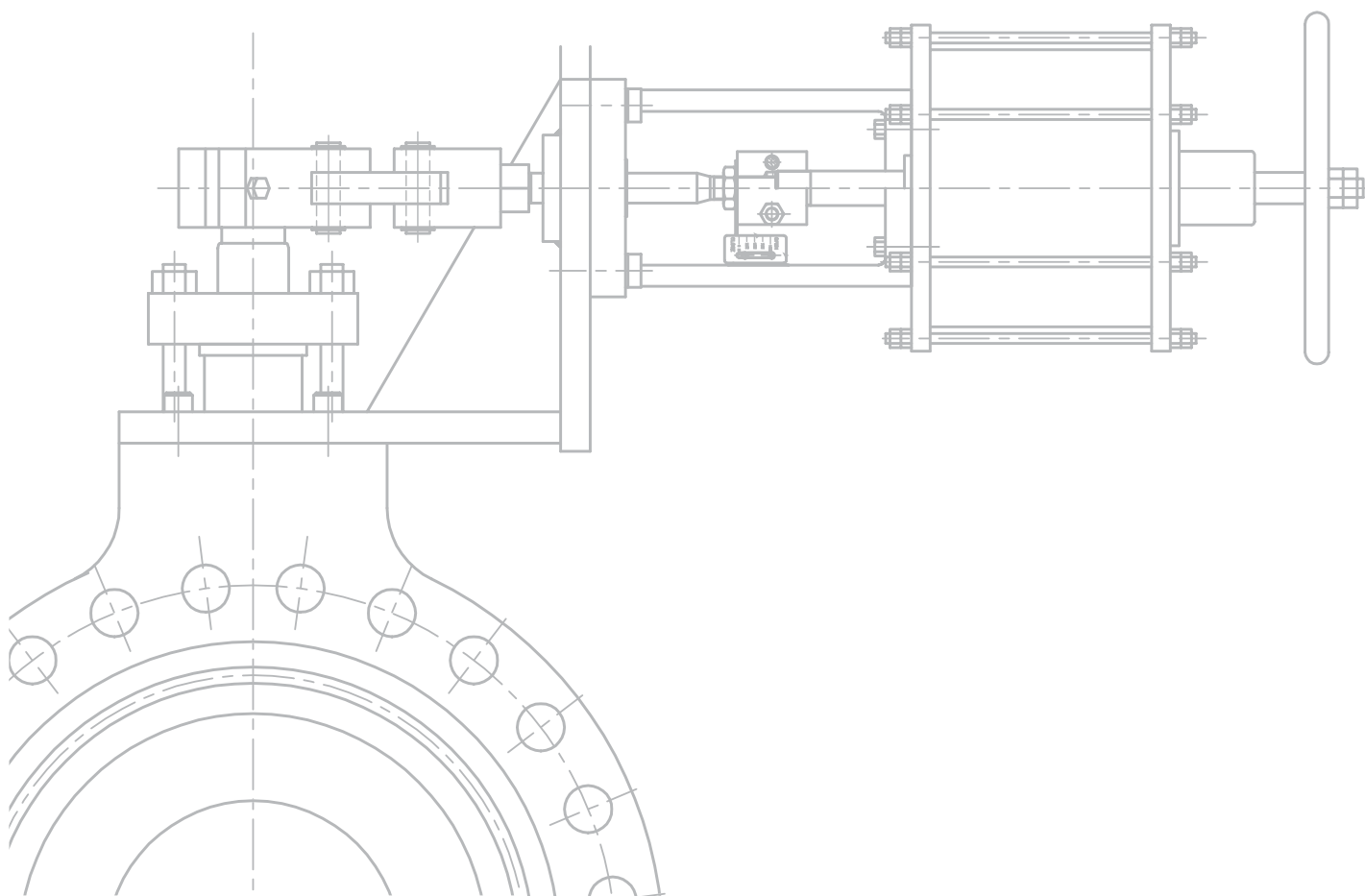
Member of



energy valve group

VECTOR & WELLHEADS ENGINEERING, S.L.

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Service division

Formed by a highly qualified and experienced team, our service division is **available on a 24 hour basis** to meet urgent needs, capable of performing jobs at site during:

- Outage and start-up periods
- Installation
- Commissioning
- Supervision



V&W marketing and publishing division, NBM.

Butterfly valves

Flanged, Lug and Wafer types

V&W butterfly valves satisfy a wide range of applications. Available in flanged, lug and wafer body styles, they may be specified in sizes from 3" to 72" and all AWWA Class pressure ratings. Butterfly valves are ideally suited for on/off and throttling applications in the following industries:

- Water and Waste Water;
- Pulp and paper;
- Oil and Natural Gas Drilling and Production;
- Power Generation;
- Mining;
- Chemical and Petrochemical Refining;
- Marine.

V&W butterfly valves can be applied in applications demanding high-quality and thoroughly tested valves which offer many years of trouble-free service.

Construction materials

Body

Cast iron GG 25
Nodular iron GGG 50
Stainless steel AISI 304
Stainless steel AISI 316
Cast carbon steel
Aluminium
Bronze C-352
Aluminium bronze C-415
Other alloys

Shaft

Stainless steel AISI 304
Stainless steel AISI 316
Stainless steel AISI 420
Hastelloy
1.4462
Monel
Other alloys

Disk

Cast iron GG 25
Nodular iron GGG 50
Stainless steel AISI 304
Stainless steel AISI 316
Cast carbon steel
Aluminium
Bronze C-352
Aluminium Bronze C-415
Hastelloy
Monel
1.4460
Other alloys

Seat

EPDM
High temperature EPDM
Hypalon
Nitrile (Buna N)
Silicone
Steam Silicone
PTFE
FPM



Butterfly valves



Flanged, Lug and Wafer types



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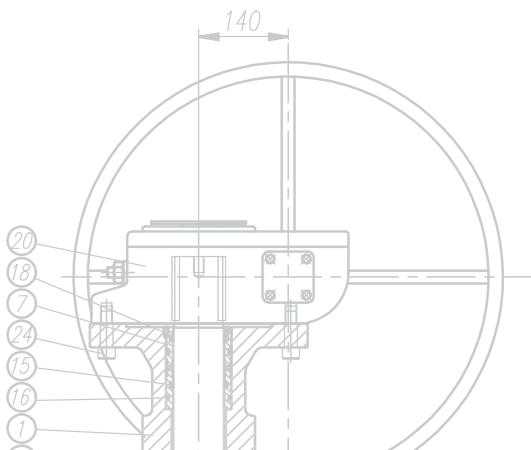
Butterfly valves

Flanged, Lug and Wafer types

Product range

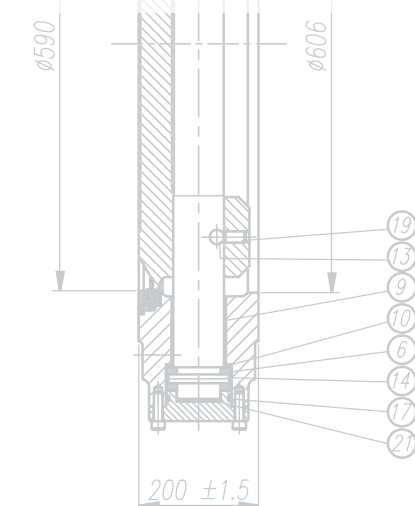
AWWA Class	Wafer		Lug		Flanged	
	From	To	From	To	From	To
25	3"	20"	3"	20"	3"	72"
75	3"	20"	3"	20"	3"	72"
150	3"	20"	3"	20"	3"	72"
250	—	—	—	—	3"	48"

Greater sizes available upon request.



AWWA Compliance

Each V&W butterfly valve is designed to meet the latest requirements of AWWA C504. Compliance with other standards (i.e. ASME B31.1, ASME B16.34, MSS SP-67, etc.) is also available upon request.



Other products

Control valves

Globe, angle and three-way

Body material	Body size		Pressure class		Ends
	ASME	DIN	ASME	DIN	
Cast steel	3/4" thru 2"	DN 20 thru DN 50	150 thru 2500	PN 10 thru PN 400	SW, BW, FLG
Cast steel	3" thru 26"	DN 80 thru DN 650	150 thru 2500	PN 10 thru PN 400	BW, FLG
Forged steel	3/4" thru 2"	DN 20 thru DN 50	150 thru 2500	PN 10 thru PN 400	SW, BW
Forged steel	3" thru 16"	DN 80 thru DN 400	150 thru 2500	PN 10 thru PN 400	BW

Piston check valves

ASME Class	Bolted bonnet		Pressure Seal	
	From	To	From	To
150	2"	10"	—	—
300	2"	10"	—	—
600	2"	10"	2"	16"
900	2"	10"	2"	16"
1500	2"	10"	2"	16"
2500	2"	10"	2"	12"
4500	—	—	2"	8"

Diaphragm valves

ASME Class	From	To
150	2"	8"
300	2"	8"

Other valves and supplies

- Plug valves.
- Safety valves.
- Through-conduit gate valves.
- Full bore check valves.
- Block & bleed gate valves.
- Cryogenic service valves (ball, gate, globe, check).
- Three way globe valves.
- Bellows sealed valves (globe, gate).
- Flanges, desuperheaters, piping, bolting, gaskets.
- Nuclear BLADE GUIDES.
- Turbine bypass systems.

Trunnion mounted ball valves

Full & reduced bore, soft & metal to metal seated

ASME Class	End entry		Top entry	
	From	To	From	To
150	2"	60"	2"	48"
300	2"	60"	2"	48"
600	2"	56"	2"	48"
900	2"	56"	2"	30"
1500	2"	30"	2"	24"
2500	2"	16"	2"	12"

Floating ball valves

Full & reduced bore

ASME Class	End entry		Forged steel top entry		Cast steel top entry	
	From	To	From	To	From	To
150	1/2"	8"	1/2"	2"	1/2"	6"
300	1/2"	8"	1/2"	2"	1/2"	6"
600	1/2"	6" x 4"	1/2"	2"	1/2"	6"
900	1/2"	2"	1/2"	2"	—	—
1500	1/2"	2"	1/2"	2"	—	—
2500	—	—	1/2"	2"	—	—



See also: **V&W Ball valves catalogue, ref. BV-20034**
V&W Control valves catalogue, ref. CV-20035
V&W Gate, globe, check valves, ref. GGC-20031

All Vector & Wellheads Engineering products are manufactured in strict accordance to our Quality Assurance Manual requirements, which covers all the production stages, including design, purchasing, manufacturing, welding, testing, etc.

Our excellent Quality Assurance Program has enabled us to obtain an **UNE-EN-ISO 9001 Certificate**.

Each aspect of our activity is based on operating within strictly defined procedures, including: ultrasonic, x-ray, magnetic particle inspection, welding, photoelasticity, and fire safe test.



Empresa Registrada
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ISO 9001:2000



Vector & Wellheads

Engineering, S.L. is a

leading supplier of

valves and related

products, used in the

petrochemical, nuclear,

fossil fired, oil & gas

and process industries.

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