

BUTTERFLY VALVES

Wouter Witzel Econaxe W/L 201

Double eccentric



The Econaxe is a range of double eccentric high performance butterfly valves for many different applications in different industries. Special emphasis was put on a flexible product desing enabling an exact finishing according to customer specification. The desing is economical, sustainable, and robust with optimized features for the required functionality in the applicable market. The resulting technical and economic advantages of the desing have led to an improved life cycle as well as high productivity and security. Guaranteed customer satisfaction!

The Econaxe is a typical double-off-set desing with an off-set stem. One of its outstanding features tough reveals itself on closer inspection. The seal of the Econaxe valve is applied in the body, resulting in numerous advantages:

- » Long seal life time
- » No seal damage during installation
- » Economical desing
- » Reduced number of required components

GENERAL INFORMATION

- » Materials Carbon steel, stainless steel.
other materials on request
- » Body seal Elastomer, RTFE, RTFE fire-safe, metal
- » Sizes DN50 / 2" - DN600 / 24"
Larger sizes on request
- » Operating pressure Max. 20 bar
- » Temperature range - 40°C - + 300 °C

TECHNICAL STANDARDS

- » Quality assurance ISO 9001
- » Basic desing EN 593
- » Flange connections EN 1092, ASME B16.5,
MSS SP 44, JIS B 2220
- » Face to face dimensions According to EN558 basic
(series 25 for DN350/14"),
API 609 kat. B cl. 150.
- » Anti-blow out EN 593 ja API 609
- » Anti static EN736/3, API609 ja EN12266-F21
- » Fire tested EN ISO 10497 ja LRS Dry Fire test
procedure HDSC/ENS/TS
- » Testing API 598, ISO5208, EN12266
- » Seat leakage rate ISO 5208 class A (Soft seal),
API 598
- » Part-turn actuator attachment ISO5211
- » Pressure temperature rating ASME B16.34, ISO 7005, API 609
- » Pressure equipment directive PED 97 / 23 / EC (category III)
Module H

ECONAXE STANDARD

Econaxe standard testing	Allowable seat leakage	
	ml / min	in drops
ISO 5208, class A	0	0

OTHER STANDARDS

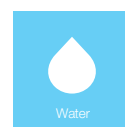
Other test standards	Allowable seat leakage	
	ml / min	in drops
ISO 5208, class B	0.12	2
ISO 5208, class C	0.36	6
ISO 5208, class D	1.2	19
ANSI - FCI 70-2,	0.93	15
API 598	1	16



Pulp & Paper



Energy



Water



Oil & Gas



Chemical



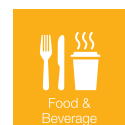
Marine



Pharma



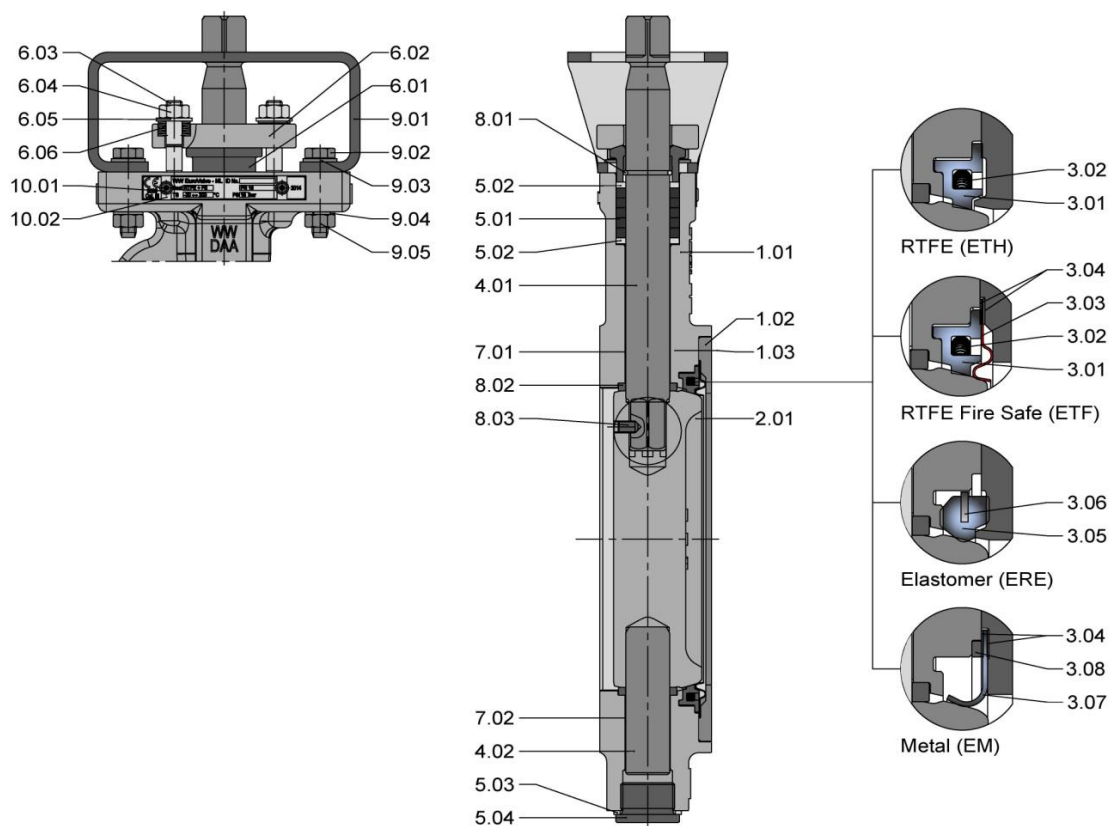
Mining



Food & Beverage

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PARTS

Nr	Part	Material	ASTM	Nr	Part	Material	ASTM
1.01	Body	HST carbon steel	CF8M WCB	6.01	Packing gland	AISI316	CF8M
1.02	Retaining ring	AISI 316	F316	6.02	Gland flange	AISI316	CF8M
1.03	Hex. socket head screw	HST A4/70	-	6.03	Stud bolt	HST A4/70	-
2.01	Disc	AISI316	CF8M	6.04	Hexagon nut	HST A4/70	-
3.01	Body seat ring (ETH/ETF)	RTFE 15-12-3	-	6.05	Washer	HST A4	-
3.02	Helix coil	AISI304	F316	6.06	Bellevue washer	HST	-
3.03	Fire safe ring	Inconel 625®	-	7.01	Sliding bearing	AISI304 + PTFE	F316 + PTFE
3.04	Gasket	Graphite / Nickel	-	7.02	Sliding bearing	AISI304 + PTFE	F316 + PTFE
3.05	Body seat ring (ERE)	NBR, EPDM or Viton	-	8.01	Snap ring	AISI304	-
3.06	Reinforcement ring	AISI304	F316	8.02	Spacer ring	Muovi	-
3.07	Rungontiiviste (EM)	AISI304	F316	8.03	Set screw	HST A4/70	-
3.08	Spacer ring	AISI304	F316	9.01	Bracket	AISI304	F316
4.01	Upper shaft*	Duplex	-	9.02	Hexagon head bolt	HST A4/70	-
4.02	Lower shaft*	Duplex	-	9.03	Washer	HST A4	-
5.01	Packing ring	Graphite	-	9.04	Spring lock washer	HST A4	-
5.02	Taper ring	AISI304	F316	9.05	Hexagon nut	HST A4/70	-
5.03	Sealing ring	Graphite	-	10.01	Marking plate	AISI304	F316
5.04	Hexagon socket plug	HST A4/70	-	10.02	Blind rivet	HST A4	-