HIGH PERFORMANCE BUTTERFLY VALVE SERIES HG5

DOUBLE FLANGE DESIGN

GEFA PROCESSTECHNIK GMBH

HG5

DOUBLE FLANGE BUTTERFLY VALVE

Double eccentric butterfly valve as double flange version

The new generation of the HG series – a further development in a proven design. Our high-performance butterfly valve in double-flange design offers a range of advanced features that fulfil the highest demands.

- **Flexible installation and removal**
  Installation and removal in partially open position possible.

- **Optimum wear prevention**
  The insert ring of the body efficiently protects the seat ring from direct flow of the medium and prevents wear such as erosion and abrasion. The low-wear switching behaviour achieves maximum service life.

- **Robust construction**
  The continuously guided stem gives the disc optimum strength for all load directions (tightness on both sides).

- **Efficient automation**
  GEFA-MULTITOP automation efficient with variable interface without interrupting the stem. This ensures uniform transmission of torques without mounting adapter.

- **Safety through innovative functions**
  Pivoting angle limitation and visual position indicator on the stem prevents a wrong position of the stem during servicing.

- **Fields of application**
  The valve is used in the refinery/petrochemical industry, power generation, sugar industry, chemical industry, steel industry, pulp and paper industry, for technical gases and many more.

Double flange high performance butterfly valve HG5	
Sizes	
DN80 (3”) to DN300 (12”)	
Pressure ratings	
up to PN40	
Temperatures	
from -196 °C to 400 °C	
Materials	
Body	stainless steel 1.4408 / steel 1.0619
Disc	stainless steel 1.4408
Stem	stainless steel 1.4571
Seat	PTFE / metallic
Gland packing	PTFE / graphite
Automation	
• Standardised mounting flange in accordance with EN ISO 5211	
• Direct actuator mounting without interrupting the stem	
• Variable and interchangeable for any actuator size	
• Actuator protection against leakage	
Reliability	
The double eccentric design with spherical sealing surface on the disc enables low-wear switching with maximum tightness and lowest torques. Leakage rate A according to DIN EN 12266-1.	
Service friendliness	
The axial stem centring is easily accessible and prepared for later service.	

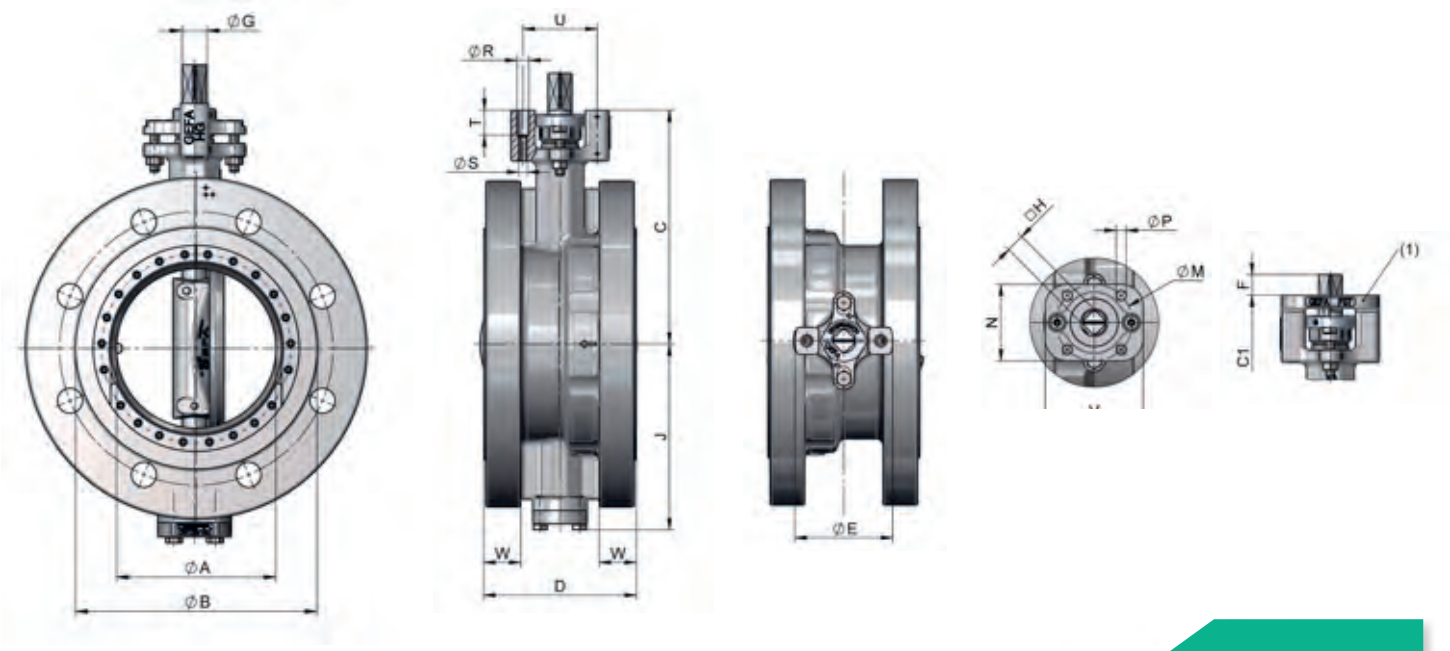
HG5

DOUBLE FLANGE BUTTERFLY VALVE

Dimensions

DN	NPS	ØA	ØB	C	C1	D	E	F	ØG	J	ØR	ØS	T	U	W	Smallest connection DIN 3337/ ISO 5211
80	3"	75	133	162	177	114	90	16	18	119	11	M8	23	68	25	F05
100	4"	97	156	179	194	127	90	16	18	131	11	M8	23	68	25	F05
150	6"	140	212	215	230	140	90	19	22	171	11	M8	23	68	34	F07
200	8"	189	268	262	280	152	125	24	28	211	13	M10	23	95	36	F10
250	10"	236	323	292	310	165	125	24	28	243	13	M10	23	95	41	F10
300	12"	279	374	336	356	178	150	29	36	278	16	M10	22	115	41	F12

Mounting plate ISO 5211	F05	F07	F10	F12	F14	F16
□H	14	17	22	27	36	46
ØM	50	70	102	125	140	165
N	50	70	95	125	135	160
n x ØP	4 x 7	4 x 9	4 x 11	4 x 13,5	4 x 18	4 x 22
V	90	90	125	150	150	160



If you have any questions or require further information, please do not hesitate to contact us!

Contact us for personalised advice:

+49 231 61009-0 | gefa@gefa.com | www.gefa.com/en

Subject to technical modifications

Since 1964 GEFA Processtechnik GmbH offers you innovative solutions in the fields of industrial valves and filtration technology. We also offer a wide range of products for specific applications and are ready to develop the perfectly tailored solution together with you. Our extensive stockkeeping guarantees short delivery times!

Legal form:	Limited liability company
Capital stock:	1.54 million Euro
Managing director:	Gerd Ruhland
Foundation and development:	The company was registered as limited liability company in the commercial register on 15.09.1965
Sector and products:	Industrial valves – filter technology
Employees:	120 employees
Turnover:	approx. 27 million Euro
Business premises:	The office and company building (Germaniastraße 28 in Dortmund) is owned by the company, office building/ factory hall and warehouse 6,770 square metres, company premises approx. 13,000 square metres
Stock:	approx. 7 million Euro

GEFA PROCESSTECHNIK GMBH

Germaniastraße 28
44379 Dortmund
PO box 700110
44371 Dortmund

T +49 231 61009-0
F +49 231 61009-80
www.gefa.com
gefa@gefa.com

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