

Type 563 Aqua Butterfly Valve

Standard Features

- **Size**
2"-12"
- **Body**
Glass-filled Polypropylene
Compatible with ANSI and
DIN flanges
- **Wetted Materials**
PVC, EPDM
- **Disc**
PVC
- **Stem**
304 Stainless Steel (non-wetted)
- **Seal**
EPDM
- **Movement**
Lockable lever moves in increments
of 5 degrees or available with
gear operator
- **Operating Temperature**
Maximum temperature 122°F

Optional Features

- **Actuation**
Electric actuation
Pneumatic actuation

Applications

- For water use only
- Aquariums
- Water Parks

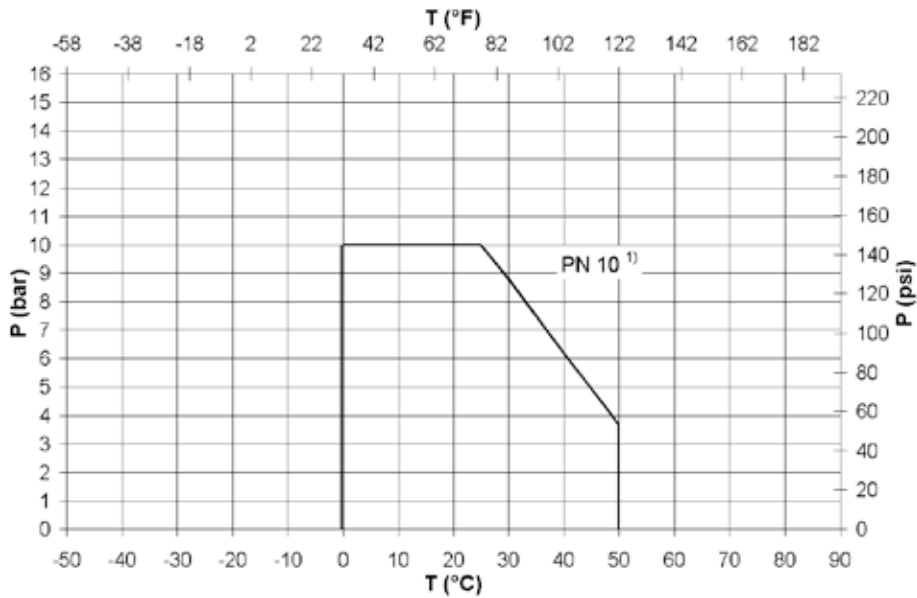
General

Specifically for water applications, the Type 563 Aqua butterfly valve operates at pressures of up to 150PSI and can handle temperatures from 32°F to 142°F. The wetted inner body is made of PVC with EPDM seals. Because of the plastic body, the Aqua valve is lightweight and installs easily between flanges. The Aqua valve is compatible with ANSI and DIN flanges and is available from 2" to 12". The Q-ring seals allow the valve to be installed without additional gaskets.

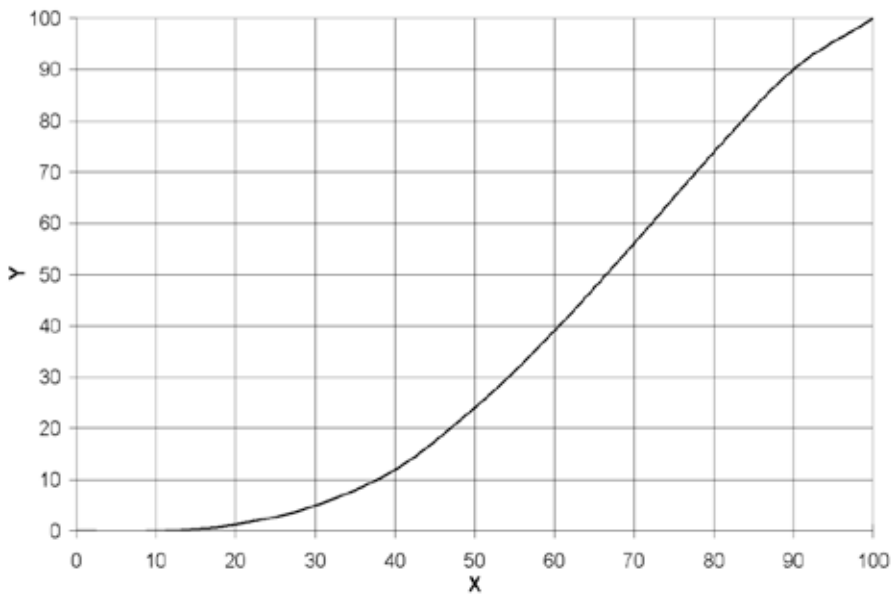


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PVC



Flow Characteristics

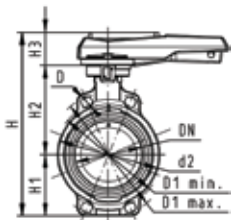


X Open angle (%)
Y Flow factor kv (%)

kv values

DN mm	DN inch	d mm	kv 100 l/min ($\Delta p=1\text{bar}$)	Cv 100 US gal/min ($\Delta p=1\text{psi}$)	kv 100 m ³ /h ($\Delta p=1\text{bar}$)
50	2	63	1470	103	88
65	2½	75	2200	154	132
80	3	90	3000	210	180
100	4	110	6500	455	390
125	5	140	11500	805	690
150	6	160	16600	1162	1000
200	8	225	39600	2772	2380

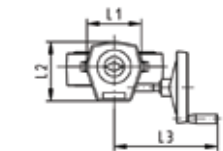
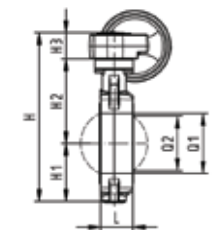
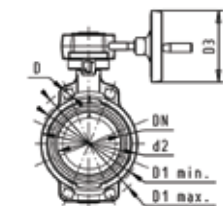
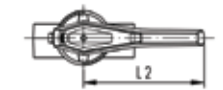
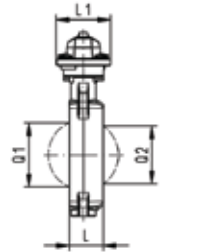




Type 563 with Hand Lever

note: 10" and 12" max 90psi for safety

Inch	psi	Cv-value	d	D	D1 min.	D1 max.	d2	H	H1	H2	H3	L	L1	L2	Q1	Q2
2	150	103	63	19	120.0	125.0	104	264	77	134	54	45	106	205	35.74	
2½	150	154	75	19	139.7	145.0	115	277	83	140	54	46	106	205	50.93	30.60
3	150	210	90	19	150.0	160.0	131	289	89	146	54	49	106	205	64.01	46.24
4	150	455	110	19	175.0	190.5	161	325	104	167	55	56	106	255	84.46	69.96
5	150	805	140	19	210.0	215.9	187	352	117	181	55	64	106	255	110.71	94.50
6	150	1162	160	19	241.3	241.3	215	373	130	189	55	72	106	255	136.08	121.54
8	150	2772	225	19	290.0	295.0	267	435	158	210	67	73	140	408	175.62	166.23
10	150	3865	280	25	253.0	362.0	329	554	205	264	85	113	149	408	210	207
12	150	5600	315	25	400.0	432.0	379	598	228	285	85	113	149	408	256	253



Type 563 Gear Operator

Inch	psi	Cv-value	d	D	D1 min.	D1 max.	d2	H	H1	H2	H3	L	L1	L2	L3
2	150	103	63	19	120.0	125.0	104	264	77	134	54	45	106	205	236
2½	150	154	75	19	139.7	145.0	115	277	83	140	54	46	106	205	236
3	150	210	90	19	150.0	160.0	131	289	89	146	54	49	106	205	236
4	150	455	110	19	175.0	190.5	161	325	104	167	55	56	106	255	236
5	150	805	140	19	210.0	215.9	187	352	117	181	55	64	106	255	236
6	150	1162	160	19	241.3	241.3	215	373	130	189	55	72	106	255	236
8	150	2772	225	19	290.0	295.0	267	435	158	210	67	73	140	408	236
10	150	3865	280	25	353.0	362.0	329	529	205	264	60	113	134	151	261
12	150	5600	315	25	400.0	432.0	379	573	228	285	60	113	134	151	261

Q1	Q2
35.74	
50.93	30.60
64.01	46.24
84.46	69.96
110.71	94.50
136.08	121.54
175.62	166.23
210	207
256	253



Type 563 Aqua Butterfly Valves Part Numbers

Inch	Part No. Lever	Part No. Gear
2	161 563 002	161 563 042
2½	161 563 003	161 563 043
3	161 563 004	161 563 044
4	161 563 005	161 563 045
6	161 563 007	161 563 047
8	161 563 008	161 563 048
10	161 563 009	161 563 049
12	161 563 010	161 563 050

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2882 Dow Avenue, Tustin, CA 92780-7258

Tel. (714) 731-8800, Toll Free (800) 854-4090, Fax (714) 731-6201

e-mail: us.ps@georgfischer.com

www.gfpiping.com

Australia

George Fischer Pty Ltd
Riverwood NSW 2210 Australia
Phone +61(0)2 9502 8000
australia.ps@georgfischer.com
www.georgfischer.com.au

Austria

Georg Fischer
Rohrleitungssysteme GmbH
3130 Herzogenburg
Phone +43(0)2782 856 43-0
austria.ps@georgfischer.com
www.georgfischer.at

Belgium/Luxembourg

Georg Fischer NV/SA
1070 Bruxelles/Brüssel
Phone +32(0)2 556 40 20
be.ps@georgfischer.com
www.georgfischer.be

Brazil

George Fischer Ltda
04795-100 São Paulo
Phone +55(0)11 5687 1311
br.ps@georgfischer.com

Canada

George Fischer Piping Systems Ltd
Brampton, ON L6T 4E3
Phone +1(905) 792-8005
ca.ps@georgfischer.com
www.gfpiping.ca

China

Georg Fischer
Piping Systems Ltd Shanghai
Pudong, Shanghai 201319
Phone +86(0)21 58 13 33 33
china.ps@georgfischer.com
www.cn.piping.georgfischer.com

Denmark/Iceland

Georg Fischer A/S
2630 Taastrup
Phone +45 (0)70 22 19 75
info.dk.ps@georgfischer.com
www.georgfischer.dk

France

Georg Fischer SAS
95932 Roissy Charles de Gaulle Cedex
Phone +33(0)1 41 84 68 84
fr.ps@georgfischer.com
www.georgfischer.fr

Germany

Georg Fischer GmbH
73095 Albershausen
Phone +49(0)7161 302-0
info.de.ps@georgfischer.com
www.georgfischer.de

India

George Fischer Piping Systems Ltd
400 076 Mumbai
Phone +91 224007 2001
in.ps@georgfischer.com
www.georgfischer.in

Italy

Georg Fischer S.p.A.
20063 Cernusco S/N (MI)
Phone +3902 921 861
it.ps@georgfischer.com
www.georgfischer.it

Japan

Georg Fischer Ltd
556-0011 Osaka,
Phone +81(0)6 6635 2691
jp.ps@georgfischer.com
www.georgfischer.jp

Korea

Georg Fischer Piping Systems
Guro-3 dong, Guro-gu, Seoul, Korea
Phone +82(0)2 2081 1450
Fax +82(0)2 2081 1453
kor.ps@georgfischer.com

Malaysia

Georg Fischer (M) Sdn. Bhd.
40460 Shah Alam, Selangor
Phone +60 (0)3 5122 5585
connie.kong@georgfischer.com

Mexico

Georg Fischer S.A. de C.V.
Apodaca, Nuevo Leon
CP66636 Mexico
Phone +52 (81)1340 8586
Fax +52 (81)1522 8906

Middle East

George Fischer Piping Systems
Dubai, United Arab Emirates
Phone +971 4 289 49 60
info.export@georgfischer.com
www.export.georgfischer.com

Netherlands

Georg Fischer N.V.
8161 PA Epe
Phone +31(0)578 678 222
nL.ps@georgfischer.com
www.georgfischer.nl

Norway

Georg Fischer AS
1351 Rud
Phone +47(0)67 18 29 00
no.ps@georgfischer.com
www.georgfischer.no

Poland

Georg Fischer Sp. z o.o.
02-226 Warszawa
Phone +48(0)22 313 10 50
poland.ps@georgfischer.com
www.georgfischer.pl

Romania

Georg Fischer
Piping Systems Ltd
020257 Bucharest - Sector 2
Phone +40(0)21 230 53 80
ro.ps@georgfischer.com
www.export.georgfischer.com

Russia

Georg Fischer Piping Systems
Moscow 125047
Tel. +7 495 258 60 80
ru.ps@georgfischer.com
www.georgfischer.ru

Singapore

George Fischer Pte Ltd
528 872 Singapore
Phone +65(0)67 47 06 11
sgp.ps@georgfischer.com
www.georgfischer.com.sg

Spain/Portugal

Georg Fischer S.A.
28046 Madrid
Phone +34(0)91 781 98 90
es.ps@georgfischer.com
www.georgfischer.es

Sweden/Finland

Georg Fischer AB
12523 Älvsjö-Stockholm
Phone +46(0)8 506 775 00
info.se.ps@georgfischer.com
www.georgfischer.se

Switzerland

Georg Fischer
Rohrleitungssysteme (Schweiz) AG
8201 Schaffhausen
Phone +41(0)52 631 30 26
ch.ps@georgfischer.com
www.piping.georgfischer.ch

Taiwan

Georg Fischer Piping Systems
San Chung City, Taipei Hsien
Phone +886 2 8512 2822
Fax +886 2 8512 2823

United Kingdom/Ireland

George Fischer Sales Limited
Coventry, CV2 2ST
Phone +44(0)2476 535 535
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www.georgfischer.co.uk

USA/Latin America/Caribbean

Georg Fischer LLC
Tustin, CA 92780-7258
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