

DeZURIK G-SERIES MANUAL GEAR ACTUATOR SIZING

BHP High Performance Butterfly Valves

Handwheel & Chainwheel Actuators

ASME Class 150 (PN 10/16) PTFE (TT, TI, RT, RI) Seat

Valve Size	Actuator Code Handwheel	Shutoff Pressure psi (kPa)	Actuator Code Chainwheel	Shutoff Pressure psi (kPa)
20" 500mm	GS-12A-HD20	<u>285</u> 1960	GS-12A-CW20	<u>285</u> 1960
24" 600mm	GS-12-HD16	<u>285</u> 1960	GS-12-CW20	<u>285</u> 1960
28-30" 700-750mm	GS-12-HD30*	<u>285</u> 1960	GS-12-CW30*	<u>285</u> 1960
36" 900mm	GS-12-HD30*	<u>150</u> 1030	GS-12-CW30*	<u>150</u> 1030

* GS-12-HD30/CW30 is available only in standard and 180° mounting positions

ASME Class 300 (PN 25/40) PTFE (TT, TI, RT, RI) Seat

Valve Size	Actuator Code Handwheel	Shutoff Pressure psi (kPa)	Actuator Code Chainwheel	Shutoff Pressure psi (kPa)
24" 600mm	GS-12-HD24*	<u>740</u> 5090	GS-12-CW20	<u>740</u> 5090

* GS-12-HD24 is available only in standard and 180° mounting positions

ASME Class 150 (PN 10/16) Metal (S2) Seat Dual Seat (TTS2, TIS2 or RTS2, RIS2) Fyre-Block (TTS2 & FB or RTS2 & FB)

Valve Size	Actuator Code Handwheel	Shutoff Pressure psi (kPa)	Actuator Code Chainwheel	Shutoff Pressure psi (kPa)
24" 600mm	GS-12-HD24*	<u>285</u> 1960	GS-12-CW20	<u>285</u> 1960
28-30" 700-750mm	GS-12-HD20	<u>150</u> 1030	GS-12-CW20	<u>285</u> 1960

* GS-12-HD24 is available only in standard and 180° mounting positions

ASME Class 300 (PN 25/40) Metal (S2) Seat Dual Seat (TTS2, TIS2 or RTS2, RIS2) Fyre-Block (TTS2 & FB or RTS2 & FB)

Valve Size	Actuator Code Handwheel	Shutoff Pressure psi (kPa)	Actuator Code Chainwheel	Shutoff Pressure psi (kPa)
14-16" 350-400mm	GS-12-HD24*	<u>285</u> 1960	GS-12-CW20	<u>285</u> 1960
18" 450mm	GS-12-HD30*	<u>150</u> 1030	GS-12-CW30	<u>285</u> 1960

* GS-12-HD24/HD30 is available only in standard and 180° mounting positions

BAW AWWA Butterfly Valves

Handwheel

40 Pound Rim Pull - Class 150B & 250B

Valve Size	Non-Buried Actuator Code	Shutoff Pressure psi (kPa)	Buried Actuator Code
3-8" 80-200mm	GS-6B-HD8*	250 1720	GB-6B-HD8*
10" 250mm	GS-6B-HD8*	150 1030	GB-6B-HD8*
	GS-6B-HD12**	250 1720	GB-6B-HD12**
12" 300mm	GS-6B-HD12**	150 1030	GB-6B-HD12**
	GS-6B-HD16**	250 1720	GB-6B-HD16**
14" 350mm	GS-6B-HD16**	250 1720	GB-6B-HD16**
16" 400mm	GS-6B-HD24**	250 1720	GB-6B-HD24**
18" 450mm	GS-6B-HD24**	150 1030	GB-6B-HD24**
	GS-12A-HD20**	250 1720	GB-12A-HD20**
20" 500mm	GS-12A-HD20**	150 1030	GB-12A-HD20**
	GS-12A-HD30**	250 1720	GB-12A-HD30**
24" 600mm	GS-12A-HD20**	25 170	GB-12A-HD20**
	GS-12A-HD30**	75 515	GB-12A-HD30**
28-30" 700-750mm	GS-12A-HD30**	25 170	GB-12A-HD30**

Handwheel

80 Pound Rim Pull - Class 150B & 250B

Valve Size	Non-Buried Actuator Code	Shutoff Pressure psi (kPa)	Buried Actuator Code
3-12" 80-300mm	GS-6B-HD8*	250 1720	GB-6B-HD8*
14" 350mm	GS-6B-HD12	150 1030	GB-6B-HD12
	GS-6B-HD16**	250 1720	GB-6B-HD16**
16" 400mm	GS-6B-HD16**	250 1720	GB-6B-HD16**
18" 450mm	GS-6B-HD24**	250 1720	GB-6B-HD24**
20" 500mm	GS-6B-HD24**	200 1380	GB-6B-HD24**
	GS-12A-HD20**	250 1720	GB-12A-HD20**
24" 600mm	GS-12A-HD12	25 170	GB-12A-HD12
	GS-12A-HD16	75 5145	GB-12A-HD16
	GS-12A-HD20**	150 1030	GB-12A-HD20**
	GS-12A-HD24**	200 1380	GB-12A-HD24**
	GS-12A-HD30**	250 1720	GB-12A-HD30**
28-30" 700-750mm	GS-12A-HD20	25 170	GB-12A-HD20
	GS-12A-HD30**	75 5145	GB-12A-HD30**
	GS-12A-HD36**	150 1030	GB-12A-HD36**

Chainwheel

40 Pound Rim Pull - Class 150B & 250B

Valve Size	Non-Buried Actuator Code	Shutoff Pressure psi (kPa)
3-8" 80-200mm	GS-6B-CW8*	250 1720
10" 250mm	GS-6B-CW8*	150 1030
	GS-6B-CW12**	250 1720
12" 300mm	GS-6B-CW12**	150 1030
	GS-6B-CW20**	250 1720
14" 350mm	GS-6B-CW20**	250 1720
16" 400mm	GS-6B-CW24**	250 1720
18" 450mm	GS-6B-CW24**	150 1030
	GS-12A-CW20**	250 1720
20" 500mm	GS-12A-CW20**	150 1030
	GS-12A-CW30**	250 1720
24" 600mm	GS-12A-CW20**	25 170

Chainwheel

80 Pound Rim Pull - Class 150B & 250B

Valve Size	Non-Buried Actuator Code	Shutoff Pressure psi (kPa)
3-12" 80-300mm	GS-6B-CW8*	250 1720
14" 350mm	GS-6B-CW12	150 1030
	GS-6B-CW20**	250 1720
16" 400mm	GS-6B-CW20**	250 1720
18" 450mm	GS-6B-CW24**	250 1720
20" 500mm	GS-6B-CW24**	200 1380
24" 600mm	GS-12ACW20**	150 1030
	GS-12A-CW30**	250 1720
28-30" 700-750mm	GS-12A-CW30**	75 515

* If FSDIR or FSDIU is required use HD12 in place of HD8

** Standard or 180° mounting position only without ENK

BOS Uninterrupted Seat Resilient Seated Butterfly Valves

Non-Buried Handwheel

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
24" 600mm	GS-12-HD12	50 340
	GS-12-HD16	100 690
	GS-12-HD20	125 860
	GS-12-HD24	150 1030
	GS-12-HD30	175 1210
28" 700mm	GS-12-HD30	175 1210
30" 750mm	GS-12-HD16	25 170
	GS-12-HD20	50 340
	GS-12-HD24	75 520
	GS-12-HD30	125 860
32" 800mm	GS-12-HD30	50 340
36" 900mm	GS-12-HD24	25 170
	GS-12-HD30	50 340

Buried/Submerged Handwheel

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
24" 600mm	GB-12-HD12	50 340
	GB-12-HD16	100 690
	GB-12-HD20	125 860
	GB-12-HD24	150 1030
	GB-12-HD30	175 1210
30" 750mm	GB-12-HD16	25 170
	GB-12-HD20	50 340
	GB-12-HD24	75 520
	GB-12-HD30	125 860
36" 900mm	GB-12-HD24	25 170
	GB-12-HD30	50 340

Non-Buried Chainwheel

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
24" 600mm	GS-12-CW12	50 340
	GS-12-CW20	125 860
	GS-12-CW30	175 1210
28" 700mm	GS-12-CW30	175 1210
30" 750mm	GS-12-CW20	50 340
	GS-12-CW30	125 860
36" 900mm	GS-12-CW30	50 340

Additional Products

- PEC Eccentric Plug Valves (See Bulletin 12.00-1D For Handwheel/Chainwheel Sizing)
- PEF 100% Port Eccentric Plug Valves (See Bulletin 12.60-1B For Handwheel/Chainwheel Sizing)
- PTW/PFW 3-Way & 4-Way Plug Valves (See Bulletin 20.00-1 For Single/Double Handwheel/Chainwheel Sizing)

Sales and Service

For information about our worldwide locations, approvals, certifications and local representative:

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