



MANUAL GEAR ACTUATORS SIZING SHEETS



BHP High-Performance Butterfly Valves

Handwheel Actuators ANSI Class 150 (PN 10/16) PTFE (TT/TI, RT/RI) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-8" (50-200mm)	MG-7-HD8	285 (1960)
10-14" (250-350mm)	MG-1012-HD8	285 (1960)
16" (400mm)	MG-1216-HD16	285 (1960)
18 & 20" (450 & 500mm)	MG-1216-HD24	285 (1960)

ANSI Class 150 (PN 10/16) Fyre-Block® (TTS2 or RTS2) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-8" (50-200mm)	MG-7-HD8	285 (1960)
10 & 12" (250 & 300mm)	MG-1012-HD12	285 (1960)
14 & 16" (350 & 400mm)	MG-1216-HD24	285 (1960)
18 & 20" (450 & 500mm)	MG-16-HD30	285 (1960)

ANSI Class 150 (PN 10/16) Metal (S2) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-6" (50-150mm)	MG-7-HD8	285 (1960)
8" (200mm)	MG-1012-HD8	285 (1960)
10" (250mm)	MG-1012-HD12	285 (1960)
12" (300mm)	MG-1216-HD16	285 (1960)
14 & 16" (350 & 400mm)	MG-1216-HD24	285 (1960)
18 & 20" (450 & 500mm)	MG-16-HD30	285 (1960)

Chainwheel Actuators ANSI Class 150 (PN 10/16) PTFE (TT/TI, RT/RI) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-8" (50-200mm)	MG-7-CW8	285 (1960)
10-14" (250-350mm)	MG-1012-CW8	285 (1960)
16 & 18" (400 & 450mm)	MG-1216-CW20	285 (1960)
20" (500mm)	MG-16-CW30	285 (1960)

ANSI Class 150 (PN 10/16) Fyre-Block® (TTS2 or RTS2) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-8" (50-200mm)	MG-7-CW8	285 (1960)
10 & 12" (250 & 300mm)	MG-1012-CW12	285 (1960)
14 & 16" (350 & 400mm)	MG-1216-CW20	285 (1960)
18 & 20" (450 & 500mm)	MG-16-CW30	285 (1960)

ANSI Class 150 (PN 10/16) Metal (S2) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-6" (50-150mm)	MG-7-CW8	285 (1960)
8" (200mm)	MG-1012-CW8	285 (1960)
10" (250mm)	MG-1012-CW12	285 (1960)
12 & 14" (300 & 350mm)	MG-1216-CW20	285 (1960)
16" (400mm)	MG-1216-CW30	285 (1960)
18 & 20" (450 & 500mm)	MG-16-CW30	285 (1960)

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

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-6" (50-150mm)	MG-7-HD8	740 (5100)
8 & 10" (200 & 250mm)	MG-1012-HD8	740 (5100)
12" (300mm)	MG-1216-HD16	740 (5100)
14 & 16" (350 & 400mm)	MG-1216-HD24	740 (5100)
18" (450mm)	MG-16-HD30	740 (5100)
20" (500mm)	MG-16-HD30 MG-64-HD30	500 (3446) 740 (5100)

ANSI Class 300 (PN 25/40) Fyre-Block® (TTS2 or RTS2) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-4" (50-100mm)	MG-7-HD8	740 (5100)
6-8" (150-200mm)	MG-1012-HD8	740 (5100)
10 & 12" (250 & 300mm)	MG-1216-HD24	740 (5100)

ANSI Class 300 (PN 25/40) Metal (S2) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-4" (50-100mm)	MG-7-HD8	740 (5100)
6" (150mm)	MG-1012-HD8	740 (5100)
8" (200mm)	MG-1012-HD12	740 (5100)
10-12" (250-300mm)	MG-1216-HD24	740 (5100)

Note: Handwheel actuators are available at standard and 180° mounting positions.

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

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-6" (50-150mm)	MG-7-CW8	740 (5100)
8 & 10" (200 & 250mm)	MG-1012-CW8	740 (5100)
12-16" (300-400mm)	MG-1216-CW20	740 (5100)
18" (450mm)	MG-16-CW30	740 (5100)
20" (500mm)	MG-16-CW30 MG-64-CW30	500 (3446) 740 (5100)

ANSI Class 300 (PN 25/40) Fyre-Block® (TTS2 or RTS2) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-4" (50-100mm)	MG-7-CW8	740 (5100)
6 & 8" (150 & 200mm)	MG-1012-CW8	740 (5100)
10 & 12" (250 & 300mm)	MG-1216-CW20	740 (5100)

ANSI Class 300 (PN 25/40) Metal (S2) Seat

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-4" (50-100mm)	MG-7-CW8	740 (5100)
6" (150mm)	MG-1012-CW8	740 (5100)
8" (200mm)	MG-1012-CW12	740 (5100)
10 & 12" (250 & 300mm)	MG-1216-CW20	740 (5100)

Note: Chainwheel actuators are available at standard and 180° mounting positions.

PEC Eccentric Plug Valves

Handwheel Actuators ANSI Class 125-Iron (PN10)

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
.5-3" (15-80mm)	MG-7-HD8	175 (1210)

Chainwheel Actuators ANSI Class 125-Iron (PN10)

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
.5-3" (15-80mm)	MG-7-CW8	175 (1210)

ANSI Class 150-Steel (PN10/16)

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
.5-3" (15-80mm)	MG-7-HD8	285 (1965)

ANSI Class 150-Steel (PN10/16)

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
.5-3" (15-80mm)	MG-7-CW8	285 (1965)

BRS Resilient Seated Butterfly Valves

Handwheel Actuators

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-6" (50-150mm)	MG-7-HD8	175 (1210)
8-14" (200-350mm)	MG-1012-HD8	175 (1210)
16" (400mm)	MG-1216-HD12	175 (1210)
18" (450mm)	MG-1216-HD16	175 (1210)
20" (500mm)	MG-16-HD24	175 (1210)

Note: Handwheel actuators are available at standard and 180° mounting positions.

Chainwheel Actuators

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
2-6" (50-150mm)	MG-7-CW8	175 (1210)
8-14" (200-450mm)	MG-1012-CW8	175 (1210)
16" (400mm)	MG-1216-CW12	175 (1210)
18" (450mm)	MG-1216-CW20	175 (1210)
20" (500mm)	MG-16-CW20	175 (1210)

Note: Chainwheel actuators are available at standard and 180° mounting positions.

VPB V-Port Ball Valves

Handwheel Actuators ANSI Class 150/300 (PN 10/16)

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
1-4" (25-100mm)	MG-7-HD8	285 (1965)
6 & 8" (150 & 200mm)	MG-1012-HD8	285 (1965)
10" (250mm)	MG-1012-HD12	285 (1965)
12-16" (300-400mm)	MG-1216-HD24	285 (1965)
18" (450mm)	MG-16-HD30	285 (1965)
20" (500mm)	MG-16-HD30 MG-64-HD30	150 (1035) 200 (1370)

Chainwheel Actuators ANSI Class 150/300 (PN 10/16)

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
1-4" (25-100mm)	MG-7-CW8	285 (1965)
6 & 8" (150 & 200mm)	MG-1012-CW8	285 (1965)
10" (250mm)	MG-1012-CW12	285 (1965)
12-16" (300-400mm)	MG-1216-CW20	285 (1965)
18" (450mm)	MG-16-CW30	285 (1965)
20" (500mm)	MG-16-CW30 MG-64-CW30	150 (1035) 200 (1370)

Note: On 1-16" (25-400mm) VPB valves, handwheel and chainwheel actuators are available at standard, 90°, 180° and 270° mounting positions. On 18 & 20" (450 & 500mm) valves, only standard and 180° positions are available.

RCV Rotary Control Valves

Handwheel Actuators ANSI Class 150/300 (PN 10/16)

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
1-4" (25-100mm)	MG-7-HD8	740 (5100)
6" (150mm)	MG-1012-HD12	740 (5100)
8" (200mm)	MG-1012-HD12 MG-1216-HD24	350 (2400) 740 (5100)
10" (250mm)	MG-1216-HD24 MG-16-HD30	550 (3790) 740 (5100)
12" (300mm)	MG-16-HD30 MG-64-HD30	350 (2415) 500 (3450)

Note: HC bodies are rated at 285 psi (1960 kPa). Contact DeZURIK for actuator sizing.

Chainwheel Actuators ANSI Class 150/300 (PN 25/40)

Valve Size	Actuator Code	Shutoff Pressure psi (kPa)
1-4" (25-100mm)	MG-7-CW8	740 (5100)
6" (150mm)	MG-1012-CW12	740 (5100)
8" (200mm)	MG-1012-CW12 MG-1216-CW20	350 (2400) 740 (5100)
10" (250mm)	MG-1216-CW20 MG-16-CW30	550 (3790) 740 (5100)
12" (300mm)	MG-16-CW30 MG-64-CW30	350 (2415) 500 (3450)

Note: HC bodies are rated at 285 psi (1960 kPa). Contact DeZURIK for actuator sizing.

Note: On 1-4" (25-100mm) RCV valves, actuators are available at standard, 90°, 180° and 270° mounting positions. On 6-12" (100-200mm) valves, actuators are available at standard and 180° mounting positions.

Sales and Service

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

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