

For use in China, Europe, Middle East and South East Asia only.

Keystone HiLOK

High Performance Butterfly Valves

Model / Series	Size	End Connection	Drilling / Schedule	Face-to-Face	Pressure Rating	Body Material	Disc Material	Stem Material	Seat Material	Sealing Material	Bearing Material	Operator Mounting Type	Actuation Type	Optional Feature 1	Optional Feature ...	Actuation Option
HLS	0050	L0	A1	20	16	CQ	CQ0	SR	R0	P0	CT	I	B	NP1	TPZ	GS-001



Model / Series

Code	Description
HLS	HiLOK, Standard
HLH	HiLOK, High Temp
HLF	HiLOK, Firesafe
HLP	HiLOK, Pulp and Paper

Size

Code	Description
0050	DN 50 / NPS 2
0065	DN 65 / NPS 2½
0080	DN 80 / NPS 3
0100	DN 100 / NPS 4
0125	DN 125 / NPS 5
0150	DN 150 / NPS 6
0200	DN 200 / NPS 8
0250	DN 250 / NPS 10
0300	DN 300 / NPS 12
0350	DN 350 / NPS 14
0400	DN 400 / NPS 16
0450	DN 450 / NPS 18
0500	DN 500 / NPS 20
0600	DN 600 / NPS 24
0700	DN 700 / NPS 28
0800	DN 800 / NPS 32
0900	DN 900 / NPS 36
ZZZZ	Special

End Connection

Code	Description
L0	Lugged
W0	Wafer
ZZ	Special

Drilling / Schedule

Code	Description
A1	ASME 150
P2	PN 10
P3	PN 16
P4	PN 20 / Cl150 Metric
P5	PN 25
P6	PN 40
PB	PN 10 / 16
PD	PN 10 / 16 / 25
MC	ASME 150, PN 10/16
M4	ASME 150, PN 10/16/25
J3	JIS 10K
J4	JIS 16K
ZZ	Special

Face-to-Face

Code	Description
20	EN558 Series 20 - ISO 5752 BS 20
25	EN558 Series 25
16	EN558 Series 16 - ISO 5752 BS 16

Pressure Rating

Code	Description
10	10 Bar / 150 psi
16	16 Bar / 230 psi
20	20 Bar / 285 psi
25	25 Bar / 360 psi
40	40 Bar / 580 psi
ZZ	Pressure Rating not Specified

Body Material

Code	Description
CQ	Carbon Steel A216 WCB / EN 1.0619
SQ	Stainless Steel A351 CF8M / EN 1.4408
ZZ	Special

Disc Material

Code	Description
CQ0	Carbon Steel A216 WCB / EN 1.0619
C05	Carbon Steel WCB - Hard Chrome Plated
S00	Stainless Steel 316
S05	Stainless Steel 316 - Hard Chrome Plated
S09	Stainless Steel 316 - Chrome Carbide
ZZZ	Special

Stem Material

Code	Description
SR	Stainless Steel 420
SH	Stainless Steel 17-4 PH (630)
ZZ	Special

Seat Material

Code	Description
R7	RPTFE / SS / Stainless Steel (Firesafe)
T0	PTFE
R0	RPTFE
PP	Pulp and Paper
HT	High Temp
ZZ	Special

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	HLS - 0050 L0 A1 20 16 - CQ CQ0 SR R0 P0 CT I B - NP1 TPZ + GS-001															

Sealing Material

Code	Description
P0	PTFE
G0	Graphite
LP	LATTYflon® / PTFE (Fugitive Emissions)
LG	LATTYflon® / Graphite (Fugitive Emissions)
ZZ	Special

Bearing Material

Code	Description
CT	Carbon Steel + TFE
ST	Stainless Steel 316 + TFE
SN	Stainless Steel 316 Nitrided
ZZ	Special

Operator Mounting Type

Code	Description
I	ISO 5211

Actuation Type

Code	Description
B	Bare Stem

Optional Features

Code	Description
NP1	Additional 316 Stainless Steel Tag
TPZ	Special Hydrostatic Test Report

Additional Actuation Options

Code	Description
HS-##	Standard Handle ^[1]
GS-###	Standard Gear ^[1]
PS-###	Standard Pneumatic ^[2]
HZ	Other Handle ^[3]
GZ	Other Gear Operators ^[3]
PZ	Other Pneumatic Actuators ^[3]
EZ	Other Electric Actuators ^[3]

GENERAL NOTES

1. This document is intended for product model code decodification, not product configuration. Option availability and compatibility may be dependent on the selection of another option. For product configuration support, consult your local Emerson representative.
2. This list of options is not exhaustive. Consult your local Emerson representative for additional options.

ACTUATION NOTES

1. Additional characters identify specific handle or gear. For the full list, consult the Handles and Gear Operators Addendum ([VCREF-14325](#)).
2. Additional characters identify actuator configuration.
3. Required operator, mounting and accessory part number(s) are specified per order acknowledgment.

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