

KTM VIRGO SERIES N TRUNNION MOUNTED BALL VALVES

MODEL CODE OPTIONS AND DESCRIPTIONS - NORTH AMERICA ONLY

Model / Series		Size	End Connection	Drilling / Schedule	Face to Face	Pressure Rating		Body Material	Ball Material	Stem Material	Seat Material	Sealing Material	Mounting Type	Actuation Type		Optional Feature 1	Optional Feature ...		Actuation Option
NGSF5	-	0025	F1	A1	A1	A1	-	CA	CE1	LA	BA	NH	I	B	-	NP1	TPZ	+	GS-001



MODEL / SERIES

Code	Description
NGSF5	Series N, Trunion Mounted Ball valve, Standard - With gland packing arrangement, ASME B 16.34 + ASME Section VIII, Full
NGSR5	Series N, Trunion Mounted Ball valve, Standard - With gland packing arrangement, ASME B 16.34 + ASME Section VIII, Reduced
NGSF6	Series N, Trunion Mounted Ball valve, Standard - With gland packing arrangement, ASME B 16.34 + ASME B 16.34, Full
NGSR6	Series N, Trunion Mounted Ball valve, Standard - With gland packing arrangement, ASME B 16.34 + ASME B 16.34, Reduced
NGSF8	Series N, Trunion Mounted Ball valve, Standard - With gland packing arrangement, ASME Section VIII + ASME Section VIII, Full
NGSR8	Series N, Trunion Mounted Ball valve, Standard - With gland packing arrangement, ASME Section VIII + ASME Section VIII, Reduced
NLSF5	Series N, Trunion Mounted Ball valve, Standard - Without gland packing arrangement, ASME B 16.34 + ASME Section VIII, Full
NLSR5	Series N, Trunion Mounted Ball valve, Standard - Without gland packing arrangement, ASME B 16.34 + ASME Section VIII, Reduced
NLSF6	Series N, Trunion Mounted Ball valve, Standard - Without gland packing arrangement, ASME B 16.34 + ASME B 16.34, Full
NLSR6	Series N, Trunion Mounted Ball valve, Standard - Without gland packing arrangement, ASME B 16.34 + ASME B 16.34, Reduced
NLSF8	Series N, Trunion Mounted Ball valve, Standard - Without gland packing arrangement, ASME Section VIII + ASME Section VIII, Full
NLSR8	Series N, Trunion Mounted Ball valve, Standard - Without gland packing arrangement, ASME Section VIII + ASME Section VIII, Reduced
NGHF5	Series N, Trunion Mounted Ball valve, High Temperature, ASME B 16.34 + ASME Section VIII, Full
NGHR5	Series N, Trunion Mounted Ball valve, High Temperature, ASME B 16.34 + ASME Section VIII, Reduced
NGCF8	Series N, Trunion Mounted Ball valve, Cryogenic, ASME Section VIII + ASME Section VIII, Full
NGCR8	Series N, Trunion Mounted Ball valve, Cryogenic, ASME Section VIII + ASME Section VIII, Reduced
NLLF5	Series N, Trunion Mounted Ball valve, Low Temperature - Without gland packing arrangement, ASME B 16.34 + ASME Section VIII, Full
NLLR5	Series N, Trunion Mounted Ball valve, Low Temperature - Without gland packing arrangement, ASME B 16.34 + ASME Section VIII, Reduced
NLLF6	Series N, Trunion Mounted Ball valve, Low Temperature - Without gland packing arrangement, ASME B 16.34 + ASME B 16.34, Full
NLLR6	Series N, Trunion Mounted Ball valve, Low Temperature - Without gland packing arrangement, ASME B 16.34 + ASME B 16.34, Reduced
NLLF8	Series N, Trunion Mounted Ball valve, Low Temperature - Without gland packing arrangement, ASME Section VIII + ASME Section VIII, Full
NLLR8	Series N, Trunion Mounted Ball valve, Low Temperature - Without gland packing arrangement, ASME Section VIII + ASME Section VIII, Reduced
NGLF5	Series N, Trunion Mounted Ball valve, Low Temperature - With gland packing arrangement, ASME B 16.34 + ASME Section VIII, Full
NGLR5	Series N, Trunion Mounted Ball valve, Low Temperature - With gland packing arrangement, ASME B 16.34 + ASME Section VIII, Reduced
NGLF6	Series N, Trunion Mounted Ball valve, Low Temperature - With gland packing arrangement, ASME B 16.34 + ASME B 16.34, Full
NGLR6	Series N, Trunion Mounted Ball valve, Low Temperature - With gland packing arrangement, ASME B 16.34 + ASME B 16.34, Reduced
NGLF8	Series N, Trunion Mounted Ball valve, Low Temperature - With gland packing arrangement, ASME Section VIII + ASME Section VIII, Full
NGLR8	Series N, Trunion Mounted Ball valve, Low Temperature - With gland packing arrangement, ASME Section VIII + ASME Section VIII, Reduced
NGHF8	Series N, Trunion Mounted Ball valve, High Temperature, ASME B 16.34 + ASME Section VIII, Full
NGHR8	Series N, Trunion Mounted Ball valve, High Temperature, ASME B 16.34 + ASME Section VIII, Reduced
NGHF6	Series N, Trunion Mounted Ball valve, High Temperature, ASME B 16.34 + ASME B 16.34, Full
NGHR6	Series N, Trunion Mounted Ball valve, High Temperature, ASME B 16.34 + ASME B 16.34, Reduced

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NGSF5	-	0025	F1	A1	A1	A1	-	CA	CE1	LA	BA	NH	I	B	-	NP1	TPZ	+	GS-001

SIZE

Code	Description	Code	Description
0025	DN 25 / NPS 1	040A	DN 400 / NPS 16 (Reduced to 300 mm /12" bore)
0040	DN 40 / NPS 1½	045B	DN 450 / NPS 18 (Reduced to 350 mm /14" bore)
0050	DN 50 / NPS 2	050A	DN 500 / NPS 20 (Reduced to 400 mm /16" bore)
0080	DN 80 / NPS 3	055A	DN 550 / NPS 22 (Reduced to 450 mm /18" bore)
0100	DN 100 / NPS 4	065A	DN 650 / NPS 26 (Reduced to 550 mm /22" bore)
0150	DN 150 / NPS 6	080A	DN 800 / NPS 32 (Reduced to 700 mm /28" bore)
0200	DN 200 / NPS 8	085A	DN 850 / NPS 34 (Reduced to 750 mm /30" bore)
0250	DN 250 / NPS 10	090A	DN 900 / NPS 36 (Reduced to 800 mm /32" bore)
0300	DN 300 / NPS 12	095A	DN 950 / NPS 38 (Reduced to 850 mm /34" bore)
0350	DN 350 / NPS 14	100A	DN 1000 / NPS 40 (Reduced to 900 mm /36" bore)
0400	DN 400 / NPS 16	105A	DN 1050 / NPS 42 (Reduced to 950 mm /38" bore)
0450	DN 450 / NPS 18	110A	DN 1100 / NPS 44 (Reduced to 1000 mm /40" bore)
0500	DN 500 / NPS 20	140C	DN 1400 / NPS 56 (Reduced to 1200 mm /48" bore)
0550	DN 550 / NPS 22	150B	DN 1500 / NPS 60 (Reduced to 1350 mm /54" bore)
0600	DN 600 / NPS 24	ZZZZ	Special
0650	DN 650 / NPS 26		
0700	DN 700 / NPS 28		
0750	DN 750 / NPS 30		
0800	DN 800 / NPS 32		
0850	DN 850 / NPS 34		
0900	DN 900 / NPS 36		
0950	DN 950 / NPS 38		
1000	DN 1000 / NPS 40		
1050	DN 1050 / NPS 42		
1100	DN 1100 / NPS 44		
1200	DN 1200 / NPS 48		
1350	DN 1350 / NPS 54		
1400	DN 1400 / NPS 56		
1500	DN 1500 / NPS 60		
035A	DN 350 / NPS 14 (Reduced to 250 mm /10" bore)		

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NGSF5	-	0025	F1	A1	A1	A1	-	CA	CE1	LA	BA	NH	I	B	-	NP1	TPZ	+	GS-001

END CONNECTION

Code	Description	Code	Description
F1	Flange - ASME Flat Face (FF) - 32 to 63 AARH (Smooth)	K3	Flange - ASME Female (Large) - 125 to 250 AARH
F2	Flange - ASME Flat Face (FF) - 63 to 125 AARH	K4	Flange - ASME Female (Large) - 250 to 500 AARH
F3	Flange - ASME Flat Face (FF) - 125 to 250 AARH	K5	Flange - ASME Male (Large) - 32 to 63 AARH (Smooth)
F4	Flange - ASME Flat Face (FF) - 250 to 500 AARH	K6	Flange - ASME Male (Large) - 63 to 125 AARH
R1	Flange - ASME Raised Face (RF) - 32 to 63 AARH (Smooth)	K7	Flange - ASME Male (Large) - 125 to 250 AARH
R2	Flange - ASME Raised Face (RF) - 63 to 125 AARH	K8	Flange - ASME Male (Large) - 250 to 500 AARH
R3	Flange - ASME Raised Face (RF) - 125 to 250 AARH	D1	Flange - ASME Female (Small) - 32 to 63 AARH (Smooth)
R4	Flange - ASME Raised Face (RF) - 250 to 500 AARH	D2	Flange - ASME Female (Small) - 63 to 125 AARH
RJ	Flange - Ring Type Joint (RTJ)	D3	Flange - ASME Female (Small) - 125 to 250 AARH
B1	Butt Weld - ASME B 16.25 - Fig. 2a / 3a (w/o backup ring)	D4	Flange - ASME Female (Small) - 250 to 500 AARH
B2	Butt Weld - ASME B 16.25 - Fig. 2b / 3b	D5	Flange - ASME Male (Small) - 32 to 63 AARH (Smooth)
B3	Butt Weld - ASME B 16.25 - Fig. 2c / 3c	D6	Flange - ASME Male (Small) - 63 to 125 AARH
B4	Butt Weld - ASME B 16.25 - Fig. 2d / 3d	D7	Flange - ASME Male (Small) - 125 to 250 AARH
B5	Butt Weld - ASME B 16.25 - Fig. 5 Type A	D8	Flange - ASME Male (Small) - 250 to 500 AARH
B6	Butt Weld - ASME B 16.25 - Fig. 5 Type B	TL	Flange - ASME Tongue (Large)
BZ	Butt Weld - welded Pipe or Extended Pups	TS	Flange - ASME Tongue (Small)
H1	Hub/Clamp - Groove (Type D)	GL	Flange - ASME Groove (Large)
H2	Hub/Clamp - Techlok Hub	GS	Flange - ASME Groove (Small)
H3	Hub/Clamp - Tri-Clamp	ZZ	Special
H4	Hub/Clamp - I-Line (Waukesha Cherry-Burrell)		
K1	Flange - ASME Female (Large) - 32 to 63 AARH (Smooth)		
K2	Flange - ASME Female (Large) - 63 to 125 AARH		

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DRILLING / SCHEDULE

Code	Description
A1	ASME 150
A2	ASME 300
A3	ASME 600
A4	ASME 900
A5	ASME 1500
A6	ASME 2500
W1	Schedule 10
W2	Schedule 20
W3	Schedule 30
W4	Schedule 40
W5	Schedule 50
W6	Schedule 60
W8	Schedule 80
WA	Schedule 100
WB	Schedule 120
WC	Schedule 140
WD	Schedule 160
WE	Schedule XS
WF	Schedule XXS
WS	Schedule STD
00	Standard (Refer to Product Literature)
ZZ	Special

FACE TO FACE

Code	Description
A1	ASME B 16.10
AB	ASME B16.10 Long
A6	API-6D
00	Standard (Refer to Product Literature)
ZZ	Special

PRESSURE RATING

Code	Description
A1	ASME 150
A2	ASME 300
A3	ASME 600
A4	ASME 900
A5	ASME 1500
A6	ASME 2500

BODY MATERIAL

Code	Description
CA	Carbon Steel A216 WCB
CD	Carbon Steel A216 WCC
CB	Carbon Steel A352 LCB
CC	Carbon Steel A352 LCC
SE	Stainless Steel A351 CF8M
SJ	Stainless Steel A351 CF3M
SS	Stainless Steel A351 CF3
SB	Stainless Steel A351 CF8
L3	Low Alloy Steel A694 F60
U5	Duplex A995 4A (CD3MN)
V5	Super Duplex A995 5A (CE3MN)
V2	Super Duplex A995 6A (CD3MWCuN)
EA	Inconel 825 A494 CU5MCuC
EB	Inconel 625 A494 CW6MC
CE	Carbon Steel A105
G4	Alloy Steel A217 WC6
G5	Alloy Steel A217 WC9
S7	Stainless Steel A182 F304
SA	Stainless Steel A182 F304L
SP	Stainless Steel A182 F316
SU	Stainless Steel A182 F316L
CG	Carbon Steel A350 LF2
U7	Duplex A182 F60
U6	Duplex A182 F51
V7	Super Duplex A182 F53
V6	Super Duplex A182 F55
ZZ	Special

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NGSF5	-	0025	F1	A1	A1	A1	-	CA	CE1	LA	BA	NH	I	B	-	NP1	TPZ	+	GS-001

BALL MATERIAL

Code	Description	Code	Description	Code	Description
CE1	Carbon Steel A105 + ENP 25 Microns / 1 mil	L31	Low Alloy Steel A694 F60 + ENP 25 Microns / 1 mil	U98	Duplex UNS S31803 - Tungsten Carbide
CE2	Carbon Steel A105 + ENP 50 Microns / 2 mil	L32	Low Alloy Steel A694 F60 + ENP 50 Microns / 2 mil	U99	Duplex UNS S31803 - Chrome Carbide
CE3	Carbon Steel A105 + ENP 75 Microns / 3 mil	L33	Low Alloy Steel A694 F60 + ENP 75 Microns / 3 mil	V00	Super Duplex 2507 (S32750)
CE7	Carbon Steel A105 - Stellite	L37	Low Alloy Steel A694 F60 - Stellite	V07	Super Duplex 2507 (S32750) - Stellite
CE8	Carbon Steel A105 - Tungsten Carbide	L38	Low Alloy Steel A694 F60 - Tungsten Carbide	V08	Super Duplex 2507 (S32750) - Tungsten Carbide
CE9	Carbon Steel A105 - Chrome Carbide	L39	Low Alloy Steel A694 F60 - Chrome Carbide	V09	Super Duplex 2507 (S32750) - Chrome Carbide
CG1	Carbon Steel A350 LF2 + ENP 25 Microns / 1 mil	Q50	Nitronic 50	V30	Super Duplex UNS S32760
CG2	Carbon Steel A350 LF2 + ENP 50 Microns / 2 mil	Q57	Nitronic 50 - Stellite	V37	Super Duplex UNS S32760 - Stellite
CG3	Carbon Steel A350 LF2 + ENP 75 Microns / 3 mil	Q58	Nitronic 50 - Tungsten Carbide	V38	Super Duplex UNS S32760 - Tungsten Carbide
CG7	Carbon Steel A350 LF2 - Stellite	Q59	Nitronic 50 - Chrome Carbide	V39	Super Duplex UNS S32760 - Chrome Carbide
CG8	Carbon Steel A350 LF2 - Tungsten Carbide	S10	Stainless Steel 304	ZZZ	Special
CG9	Carbon Steel A350 LF2 - Chrome Carbide	S17	Stainless Steel 304 - Stellite		
E10	Inconel 625	S18	Stainless Steel 304 - Tungsten Carbide		
E17	Inconel 625 - Stellite	S19	Stainless Steel 304 - Chrome Carbide		
E18	Inconel 625 - Tungsten Carbide	S30	Stainless Steel 304L		
E19	Inconel 625 - Chrome Carbide	S37	Stainless Steel 304L - Stellite		
E80	Inconel 825	S38	Stainless Steel 304L - Tungsten Carbide		
E87	Inconel 825 - Stellite	S39	Stainless Steel 304L - Chrome Carbide		
E88	Inconel 825 - Tungsten Carbide	S40	Stainless Steel 316L		
E89	Inconel 825 - Chrome Carbide	S47	Stainless Steel 316L - Stellite		
S80	Stainless Steel 410	S48	Stainless Steel 316L - Tungsten Carbide		
S87	Stainless Steel 410 - Stellite	S49	Stainless Steel 316L - Chrome Carbide		
S88	Stainless Steel 410 - Tungsten Carbide	S00	Stainless Steel 316		
S89	Stainless Steel 410 - Chrome Carbide	S07	Stainless Steel 316 - Stellite		
L01	Low Alloy Steel A694 F65 + ENP 25 Microns / 1 mil	S08	Stainless Steel 316 - Tungsten Carbide		
L02	Low Alloy Steel A694 F65 + ENP 50 Microns / 2 mil	S09	Stainless Steel 316 - Chrome Carbide		
L03	Low Alloy Steel A694 F65 + ENP 75 Microns / 3 mil	U00	Duplex 2205		
L07	Low Alloy Steel A694 F65 - Stellite	U07	Duplex 2205 - Stellite		
L08	Low Alloy Steel A694 F65 - Tungsten Carbide	U08	Duplex 2205 - Tungsten Carbide		
L09	Low Alloy Steel A694 F65 - Chrome Carbide	U09	Duplex 2205 - Chrome Carbide		
		U90	Duplex UNS S31803		
		U97	Duplex UNS S31803 - Stellite		

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STEM MATERIAL

Code	Description	Code	Description
LA	Low Alloy Steel A322 4140 + ENP [25 Micron / 1 mil]	KB	Duplex 2205 + Tungstun Carbide Coating
LB	Low Alloy Steel A322 4140 + ENP [75 Micron / 3 mil]	YB	Duplex 2205 + Stellite Coating
S0	Stainless Steel 316	BC	Duplex UNS S31803 + RPTFE
S4	Stainless Steel 316L	DC	Duplex UNS S31803 + Devlon
SW	Stainless Steel 410 Class 2	GC	Duplex UNS S31803 + PEEK
SK	Stainless Steel 17-4 PH (H1150M)	CC	Duplex UNS S31803 + PCTFE (Kel F)
W0	ASTM A182 Grade F44	VC	Duplex UNS S31803 + VITON (PMSS)
Q5	Nitronic 50	JC	Duplex UNS S31803 + Chromium Carbide Coating
U0	Stainless Steel Duplex	KC	Duplex UNS S31803 + Tungstun Carbide Coating
U9•	Duplex UNS S31803	YC	Duplex UNS S31803 + Stellite Coating
V0	Super Duplex 2507 [S32750]	BD	Super Duplex UNS S32750 + RPTFE
V3	Super Duplex UNS S32760	DD	Super Duplex UNS S32750 + Devlon
E8	Inconel 825	GD	Super Duplex UNS S32750 + PEEK
E1	Inconel 625	CD	Super Duplex UNS S32750 + PCTFE (Kel F)
E5	Inconel X750	VD	Super Duplex UNS S32750 + VITON (PMSS)
E7	Inconel 718 API 6A	JD	Super Duplex UNS S32750 + Chromium Carbide Coating
ZZ	Special	KD	Super Duplex UNS S32750 + Tungstun Carbide Coating
		YD	Super Duplex UNS S32750 + Stellite Coating

NOTE

- U9 option code discontinued. U0 is the code now used for all grades of Duplex.

SEAT MATERIAL

Code	Description	Code	Description
BA	Carbon Steel A105 + RPTFE	BE	Inconel 718 API 6A + RPTFE
DA	Carbon Steel A105 + Devlon	DE	Inconel 718 API 6A + Devlon
GA	Carbon Steel A105 + PEEK	GE	Inconel 718 API 6A + PEEK
CA	Carbon Steel A105 + PCTFE (Kel F)	CE	Inconel 718 API 6A + PCTFE (Kel F)
VA	Carbon Steel A105 + VITON (PMSS)	VE	Inconel 718 API 6A + VITON (PMSS)
JA	Carbon Steel A105 + Chromium Carbide Coating	JE	Inconel 718 API 6A + Chromium Carbide Coating
KA	Carbon Steel A105 + Tungstun Carbide Coating	KE	Inconel 718 API 6A + Tungstun Carbide Coating
YA	Carbon Steel A105 + Stellite Coating	YE	Inconel 718 API 6A + Stellite Coating
BB	Duplex 2205 + RPTFE	BF	Low Alloy Steel A350 LF2 + RPTFE
DB	Duplex 2205 + Devlon	DF	Low Alloy Steel A350 LF2 + Devlon
GB	Duplex 2205 + PEEK	GF	Low Alloy Steel A350 LF2 + PEEK
CB	Duplex 2205 + PCTFE (Kel F)	CF	Low Alloy Steel A350 LF2 + PCTFE (Kel F)
VB	Duplex 2205 + VITON (PMSS)		
JB	Duplex 2205 + Chromium Carbide Coating		

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SEAT MATERIAL (Continued)

Code	Description	Code	Description
VF	Low Alloy Steel A350 LF2 + VITON (PMSS)	KJ	Stainless Steel 304L + Tungstun Carbide Coating
JF	Low Alloy Steel A350 LF2 + Chromium Carbide Coating	YJ	Stainless Steel 304L + Stellite Coating
KF	Low Alloy Steel A350 LF2 + Tungstun Carbide Coating	BK	Stainless Steel 316 + RPTFE
YF	Low Alloy Steel A350 LF2 + Stellite Coating	DK	Stainless Steel 316 + Devlon
BG	Low Alloy Steel A694 F60 + RPTFE	GK	Stainless Steel 316 + PEEK
DG	Low Alloy Steel A694 F60 + Devlon	CK	Stainless Steel 316 + PCTFE (Kel F)
GG	Low Alloy Steel A694 F60 + PEEK	VK	Stainless Steel 316 + VITON (PMSS)
CG	Low Alloy Steel A694 F60 + PCTFE (Kel F)	MA	Stainless Steel 316 + Chromium Carbide Coated
VG	Low Alloy Steel A694 F60 + VITON (PMSS)	MT	Stainless Steel 316 + Tungsten Carbide Coated
JG	Low Alloy Steel A694 F60 + Chromium Carbide Coating	MC	Stainless Steel 316 + Stellite Overlay
KG	Low Alloy Steel A694 F60 + Tungstun Carbide Coating	BL	Stainless Steel 316L + RPTFE
YG	Low Alloy Steel A694 F60 + Stellite Coating	DL	Stainless Steel 316L + Devlon
BH	Stainless Steel 304 + RPTFE	GL	Stainless Steel 316L + PEEK
DH	Stainless Steel 304 + Devlon	CL	Stainless Steel 316L + PCTFE (Kel F)
GH	Stainless Steel 304 + PEEK	VL	Stainless Steel 316L + VITON (PMSS)
CH	Stainless Steel 304 + PCTFE (Kel F)	JL	Stainless Steel 316L + Chromium Carbide Coating
VH	Stainless Steel 304 + VITON (PMSS)	KL	Stainless Steel 316L + Tungstun Carbide Coating
JH	Stainless Steel 304 + Chromium Carbide Coating	YL	Stainless Steel 316L + Stellite Coating
KH	Stainless Steel 304 + Tungstun Carbide Coating	BN	Stainless Steel 410 + RPTFE
YH	Stainless Steel 304 + Stellite Coating	DN	Stainless Steel 410 + Devlon
BJ	Stainless Steel 304L + RPTFE	GN	Stainless Steel 410 + PEEK
DJ	Stainless Steel 304L + Devlon	CN	Stainless Steel 410 + PCTFE (Kel F)
GJ	Stainless Steel 304L + PEEK	VN	Stainless Steel 410 + VITON (PMSS)
CJ	Stainless Steel 304L + PCTFE (Kel F)	JN	Stainless Steel 410 + Chromium Carbide Coating
VJ	Stainless Steel 304L + VITON (PMSS)	KN	Stainless Steel 410 + Tungstun Carbide Coating
JJ	Stainless Steel 304L + Chromium Carbide Coating	YN	Stainless Steel 410 + Stellite Coating
		ZZ	Special

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SEALING MATERIAL

Code	Description
NH	HNBR
NL	HNBR Low Temp
FV	FKM / Viton
FL	FKM Low Temp
FE	FEP
EP	EPDM
G0	Graphite
PE	PTFE + Elgiloy
ZZ	Special

OPERATOR MOUNTING TYPE

Code	Description
I	ISO 5211
Z	Special

ACTUATION TYPE

Code	Description
B	Bare Stem
G	Gear Operator
L	Default Handle / Lever

OPTIONAL FEATURES

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

NOTE

For the full list of optional features, consult your local Emerson representative.

ADDITIONAL ACTUATION OPTIONS

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

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 acknowledgement.

NOTE

Consult your local Emerson representative for additional options.

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