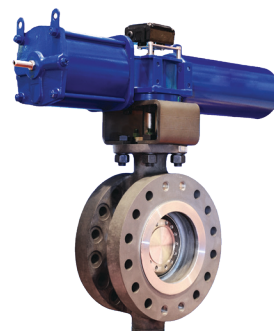


VANESSA SERIES 30,000 TRIPLE OFFSET VALVES

MODEL CODE OPTIONS AND DESCRIPTIONS - NORTH AMERICA AND EUROPE ONLY

Model / Series		Size	End Connection	Drilling / Schedule	Face to Face	Pressure Rating		Body Material	Disc Material	Stem Material	Seat Material	Sealing Material	Mounting Type	Actuation Type		Optional Feature 1	Optional Feature 2		Actuation Option
V30KS	-	0080	L3	A2	A9	A2	-	CD	C40	SV	Y1	G0	I	B	-	SSR	LLP	+	GS-000



MODEL / SERIES

Code	Description
V30KS	Vanessa Series 30,000 - Standard
V30KC	Vanessa Series 30,000 - Cryogenic
V30KH	Vanessa Series 30,000 - High Temperature
V30KJ	Vanessa Series 30,000 - Jacketed
V30KG	Vanessa Series 30,000 - Jacketed and Traced
V30KN	Vanessa Series 30,000 - Navy
V30KT	Vanessa Series 30,000 - Cryogenic Top Entry
V30KZ	Vanessa Series 30,000 - Special Configuration

SIZE

Code	Description	Code	Description
0080	DN 80 / NPS 3	1300	DN 1300 / NPS 52
0100	DN 100 / NPS 4	1350	DN 1350 / NPS 54
0125	DN 125 / NPS 5	1400	DN 1400 / NPS 56
0150	DN 150 / NPS 6	1450	DN 1450 / NPS 58
0200	DN 200 / NPS 8	1500	DN 1500 / NPS 60
0250	DN 250 / NPS 10	1550	DN 1550 / NPS 62
0300	DN 300 / NPS 12	1600	DN 1600 / NPS 64
0350	DN 350 / NPS 14	1650	DN 1650 / NPS 66
0400	DN 400 / NPS 16	1700	DN 1700 / NPS 68
0450	DN 450 / NPS 18	1750	DN 1750 / NPS 70
0500	DN 500 / NPS 20	1800	DN 1800 / NPS 72
0550	DN 550 / NPS 22	1850	DN 1850 / NPS 74
0600	DN 600 / NPS 24	1900	DN 1900 / NPS 76
0650	DN 650 / NPS 26	1950	DN 1950 / NPS 78
0700	DN 700 / NPS 28	2000	DN 2000 / NPS 80
0750	DN 750 / NPS 30	2100	DN 2100 / NPS 84
0800	DN 800 / NPS 32	2200	DN 2200 / NPS 88
0850	DN 850 / NPS 34	2250	DN 2250 / NPS 90
0900	DN 900 / NPS 36	2300	DN 2300 / NPS 92
0950	DN 950 / NPS 38	2400	DN 2400 / NPS 96
1000	DN 1000 / NPS 40	2550	DN 2550 / NPS 102
1050	DN 1050 / NPS 42	2600	DN 2600 / NPS 104
1100	DN 1100 / NPS 44	2700	DN 2700 / NPS 108
1150	DN 1150 / NPS 46	2800	DN 2800 / NPS 112
1200	DN 1200 / NPS 48	3000	DN 3000 / NPS 120
1250	DN 1250 / NPS 50	ZZZZ	Special

VANESSA SERIES 30,000 TRIPLE OFFSET VALVES

MODEL CODE OPTIONS AND DESCRIPTIONS - NORTH AMERICA AND EUROPE ONLY

Model / Series		Size	End Connection	Drilling / Schedule	Face to Face	Pressure Rating		Body Material	Disc Material	Stem Material	Seat Material	Sealing Material	Mounting Type	Actuation Type		Optional Feature 1	Optional Feature 2		Actuation Option
V30KS	-	0080	L3	A2	A9	A2	-	CD	C40	SV	Y1	G0	I	B	-	SSR	LLP	+	GS-000

END CONNECTION

Code	Description	Code	Description
F1	Flange - ASME Flat Face (FF) - 32 to 63 AARH (smooth)	L2	Lugged - Raised Face - 63 to 125 AARH
F2	Flange - ASME Flat Face (FF) - 63 to 125 AARH	L3	Lugged - Raised Face - 125 to 250 AARH
F3	Flange - ASME Flat Face (FF) - 125 to 250 AARH	L5	Lugged - Flat Face - 32 to 63 AARH (smooth)
R1	Flange - ASME Raised Face (RF) - 32 to 63 AARH (smooth)	L6	Lugged - Flat Face - 63 to 125 AARH
R2	Flange - ASME Raised Face (RF) - 63 to 125 AARH	L7	Lugged - Flat Face - 125 to 250 AARH
R3	Flange - ASME Raised Face (RF) - 125 to 250 AARH	LJ	Lugged - Ring Type Joint (RTJ)
F6	Flange - EN Flat Face (FF) - 32 to 63 AARH (smooth)	L9	Lugged (Clearance Holes) - Raised Face - 32 to 63 AARH (smooth)
F7	Flange - EN Flat Face (FF) - 63 to 125 AARH	LA	Lugged (Clearance Holes) - Raised Face - 63 to 125 AARH
F8	Flange - EN Flat Face (FF) - 125 to 250 AARH	LC	Lugged (Clearance Holes) - Raised Face - 125 to 250 AARH
R6	Flange - EN Raised Face (RF) - 32 to 63 AARH (smooth)	LB	Lugged (Clearance Holes) - Flat Face - 32 to 63 AARH (smooth)
R7	Flange - EN Raised Face (RF) - 63 to 125 AARH	LD	Lugged (Clearance Holes) - Flat Face - 63 to 125 AARH
R8	Flange - EN Raised Face (RF) - 125 to 250 AARH	LG	Lugged (Clearance Holes) - Flat Face - 125 to 250 AARH
K1	Flange - ASME Female (large) - 32 to 63 AARH (smooth)	LE	Lugged (Clearance Holes) - RTJ
K2	Flange - ASME Female (large) - 63 to 125 AARH	W1	Wafer - Raised Face - 32 to 63 AARH (smooth)
K3	Flange - ASME Female (large) - 125 to 250 AARH	W2	Wafer - Raised Face - 63 to 125 AARH
K5	Flange - ASME Male (large) - 32 to 63 AARH (smooth)	W3	Wafer - Raised Face - 125 to 250 AARH
K6	Flange - ASME Male (large) - 63 to 125 AARH	B1	Butt Weld - ASME B 16.25 - Fig. 2a / 3a (w/o backup ring)
K7	Flange - ASME Male (large) - 125 to 250 AARH	B2	Butt Weld - ASME B 16.25 - Fig. 2b / 3b
D1	Flange - ASME Female (small) - 32 to 63 AARH (smooth)	B3	Butt Weld - ASME B 16.25 - Fig. 2c / 3c
D2	Flange - ASME Female (small) - 63 to 125 AARH	B4	Butt Weld - ASME B 16.25 - Fig. 2d / 3d
D3	Flange - ASME Female (small) - 125 to 250 AARH	B5	Butt Weld - ASME B 16.25 - Fig. 5 Type A
D5	Flange - ASME Male (small) - 32 to 63 AARH (smooth)	B6	Butt Weld - ASME B 16.25 - Fig. 5 Type B
D6	Flange - ASME Male (small) - 63 to 125 AARH	B7	Butt Weld - EN 12627 - Fig. 2 / 3
D7	Flange - ASME Male (small) - 125 to 250 AARH	B8	Butt Weld - EN 12627 - Fig. 4 / 5
TL	Flange - ASME Tongue (large)	ZZ	Special
TS	Flange - ASME Tongue (small)	EE	Flange - EN Spigot (Type E)
GL	Flange - ASME Groove (large)	EF	Flange - EN Recess (Type F)
GS	Flange - ASME Groove (small)	ED	Flange - EN Groove (Type D)
RJ	Flange - Ring Type Joint (RTJ)	EC	Flange - EN Tongue (Type C)
L1	Lugged - Raised Face - 32 to 63 AARH (smooth)		

VANESSA SERIES 30,000 TRIPLE OFFSET VALVES

MODEL CODE OPTIONS AND DESCRIPTIONS - NORTH AMERICA AND EUROPE ONLY

Model / Series		Size	End Connection	Drilling / Schedule	Face to Face	Pressure Rating		Body Material	Disc Material	Stem Material	Seat Material	Sealing Material	Mounting Type	Actuation Type		Optional Feature 1	Optional Feature 2		Actuation Option
V30KS	-	0080	L3	A2	A9	A2	-	CD	C40	SV	Y1	G0	I	B	-	SSR	LLP	+	GS-000

DRILLING / SCHEDULE

Code	Description
A1	ASME 150
A2	ASME 300
A3	ASME 600
A4	ASME 900
A5	ASME 1500
A6	ASME 2500
A8	ASME B16.47 CL.150 Series B
A9	ASME B16.47 CL.300 Series B
AA	ASME B16.47 CL.600 Series B
P1	PN 6
P2	PN 10
P3	PN 16
P5	PN 25
P6	PN 40
P8	PN 64
P9	PN 100
PJ	PN 160
D1	PN 20 / ASME 150 Metric
D2	PN 50 / ASME 300 Metric
42	MIL-PRF-20042E 250#
J3	JIS 10K
J5	JIS 20K
W1	Schedule 10
W2	Schedule 20
W3	Schedule 30
W4	Schedule 40
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
32	End thickness: 3.2 mm
36	End thickness: 3.6 mm
40	End thickness: 4.0 mm
45	End thickness: 4.5 mm
50	End thickness: 5.0 mm
56	End thickness: 5.6 mm
63	End thickness: 6.3 mm
71	End thickness: 7.1 mm
80	End thickness: 8.0 mm
88	End thickness: 8.8 mm

Code	Description
10	End thickness: 10.0 mm
11	End thickness: 11.0 mm
12	End thickness: 12.5 mm
14	End thickness: 14.2 mm
16	End thickness: 16.0 mm
17	End thickness: 17.5 mm
20	End thickness: 20.0 mm
22	End thickness: 22.2 mm
25	End thickness: 25.0 mm
ZZ	Special

FACE TO FACE

Code	Description
A8	EN558 Series 108 - API 609 Category B
A9	EN558 Series 109 - API 609 Category B
AA	EN558 Series 110 - API 609 Category B
14	EN558 Series 14 - ISO 5752 BS14 / API 609 DF Short pattern
08	EN558 Series 08 - DIN3202-1 (F32)
13	EN558 Series 13 - API 609 DF Short pattern
03	EN558 Series 03 - ASME B16.10 / API 609 DF Long pattern
04	EN558 Series 04 - ASME B16.10 / API 609 DF Long pattern
05	EN558 Series 05 - ASME B16.10 / API 609 DF Long pattern
20	EN558 Series 20 - ISO 5752 BS20
16	EN558 Series 16 - ISO 5752 BS16
M1	MIL-V-1189D
M2	MIL 24624
M3	MIL 22133
00	Standard [refer 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
P1	PN6
P2	PN10
P3	PN16
P5	PN25
P6	PN40
P8	PN64
P9	PN100
PJ	PN160
ZZ	Not specified

BODY MATERIAL

Code	Description
CD	Carbon steel A216 WCC
CC	Carbon steel A352 LCC
SG	Stainless steel A351 CF3M / CF8M
SE	Stainless Steel A351 CF8M
CJ	Carbon steel 1.0619 (GP240GH)
J1	Stainless steel 1.4408 (GX5CrNiMo 19-11-2)
N4	Nickel aluminium bronze B148 C95800
G4	Alloy steel A217 WC6
CA	Carbon Steel A216 WCB
U4	Duplex A995 4A (CD3MN - J92205)
V2	Super duplex A995 6A (CD3MWCuN)
SF	Stainless steel A351 CF10
G5	Alloy steel A217 WC9
G6	Alloy steel A217 C5
G7	Alloy steel A217 C12
EN	EN 10028 P355NH (1.0565)
ZZ	Special

VANESSA SERIES 30,000 TRIPLE OFFSET VALVES

MODEL CODE OPTIONS AND DESCRIPTIONS - NORTH AMERICA AND EUROPE ONLY

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V30KS	-	0080	L3	A2	A9	A2	-	CD	C40	SV	Y1	G0	I	B	-	SSR	LLP	+	GS-000

DISC MATERIAL

Code	Description
C40	Carbon steel WCC (or equiv forged/bar/etc.)
C30	Carbon steel LCC (or equiv forged/bar/etc.)
G40	Alloy steel WC6 (or equiv forged/bar/etc.)
G50	Alloy steel WC9 (or equiv forged/bar/etc.)
G60	Alloy steel A217 C5
G70	Alloy steel A217 C12
S00	Stainless steel 316
CJ0	Carbon steel 1.0619 (GP240GH) (or equiv forged/bar/etc.)
J10	Stainless steel 1.4408 (GX5CrNiMo 19-11-2)
N40	Nickel aluminium bronze B148 C95800
U40	Duplex A995 4A (CD3MN - J92205)
V20	Super duplex A995 6A (CD3MWCuN)
SF0	Stainless steel A351 CF10
ZZZ	Special

STEM MATERIAL

Code	Description
SV	Stainless steel 410 - Vanessa Spec.
SH	Stainless steel 17-4 PH / Type 630
Q5	Nitronic 50
U0	Duplex
V3	Super duplex UNS S32760
M1	Monel K500
SD	Stainless steel 422
ZZ	Special

SEAT MATERIAL

Code	Description
Y1	Stellite 21
M0	Body Metal
ZZ	Special

SEALING MATERIAL

Code	Description
G0	Graphite
P0	PTFE
ZZ	Special

OPERATOR MOUNTING TYPE

Code	Description
I	ISO 5211 compatible mounting bracket
V	Vanessa mounting

SHAFT PACKING VARIANTS

Code	Description
LLP	Live Loaded Packing

SPECIAL APPLICATION

Code	Description
QA1	Quick Acting (HVOF Stem, and roller-bearing bracket design)

ACTUATION TYPE

Code	Description
B	Bare stem

WCC, LCC and 1.0619 materials of construction in accordance with NACE MR0103 / ISO 17945 and NACE MR0175 / ISO 15156 for H2S partial pressures ≤ 10 kPa and pH values ≥ 3.5 .
CF8M/CF3M and 1.4408 materials of construction in accordance with NACE MR103 / ISO 17945 and NACE MR0175 / 15156 (see DT327 for additional details).

OPTIONAL FEATURES

Code	Description
SSR	Solid Seal Ring
LLP	Live Loaded Packing

NOTE

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

ADDITIONAL ACTUATION OPTIONS

Code	Description
GS-000	Factory 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 ([VCREP-14325](#))
2. Additional characters identify actuator configuration.
3. Required operator, mounting and accessory part number(s) are specified per order acknowledgment.

NOTE

Consult your local Emerson representative for additional options.

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