

# VC / VH SERIES

INCREASED SAFETY  
VC / VH Enclosures

## VC / VH Series: Increased Safety Terminal Enclosures

### FEATURES

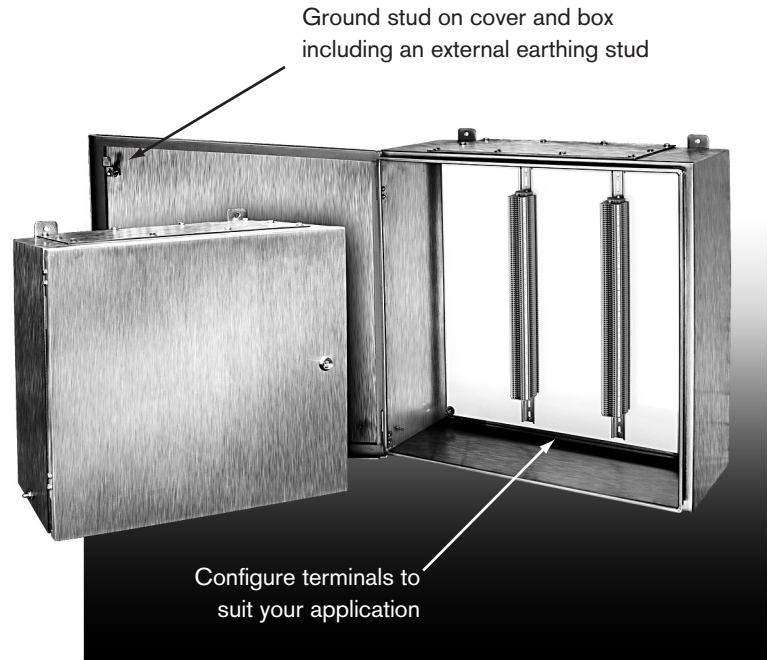
- Type 316L Stainless steel quarter turn latches w/ 3mm double bit insert
- Lift off stainless steel door hinges
- Painted steel inner mounting panel
- One-piece, NEMA 4 / IP66 water-tight gasket
- Internal/external grounding provisions
- Welded-on mounting feet / tabs (vertical or horizontal)
- Ambient temperature range -40°C to +70°C

### DESIGN OPTIONS

- Gland Plates (6" depths or greater) with continuous gasket
- Stainless steel inner mounting panel
- Drilled entries / cut-outs
- Stopping plugs and breather / drain
- Terminal block assemblies and ground bars
- Cable glands
- Window kits
- Custom sizes
- Multiple coating options for additional corrosion resistance

### MATERIAL

- Enclosure and gland plates Type 304 or 316L
- Quarter turn latches are 316L
- NEMA 4 / IP66 water-tight gasket is form in place (FIP)
- Box / cover constructed from 14 gauge (0.75) stainless steel with #3/#4 brush finish
- Gland plates constructed from 10 gauge (.1345) stainless steel with #3/#4 brush finish
- Silicone gasket
- Gland plate gasket constructed from 1/8" Bisco silicone with Acrylic PSA



### Certifications

#### POPULATED ENCLOSURE

- Class I, Division 2, Groups A, B, C, and D
- Class II, Division 2, Groups F and G
- Class I, Zone 1, AEx e II (T5: Ta < +55°C)  
(T4: Ta < +70°C)
- ATEX Directive 94/9/EC
- Class I, Zone 1, Exe II T6 (T5: Ta < +55°C)  
(T4: Ta < +70°C)
- Class I, Zone 1, Exe II T6 (T5: Ta < +55°C)  
(T4: Ta < +70°C)
- NEMA Type 4X, 12, and 13

#### EMPTY ENCLOSURE

- Class II, Division 2
- Class I, Zone 1, AEx e II
- Class I, Zone 1 Exe II
- Ex tD A21 IP66
- NEMA 4X, 12, and 13



## VC Series

### MATERIAL

- Enclosure & cover constructed of 14 ga. (.075) 316L stainless steel with #3/4 brush finish
- Optional gland plate constructed of 12 ga. (.1046) 316L stainless steel with #3/4 brush finish
- Cover gasket : 1/4" thick Bisco silicone with acrylic PSA, Part #HT805A
- Gland plate gasket : 1/8" thick Bisco silicone with acrylic PSA, Part #HT805A

### OPTIONS

- Optional pressure sensitive adhesive gasket material, Part #HT8055
- Optional Quarter Turn Inserts:
  - Slot
  - 8mm Hex Socket
  - 7mm Triangle
  - 8mm Triangle
  - 7mm Square
  - 8mm Square
  - 5mm Double Bit
  - Bellcore 216
  - Railway standard

## VH Series

### MATERIAL

- Enclosure & cover constructed of 14 ga. (.075) 316L stainless steel with #3/4 brush finish
- Optional gland plate constructed of 12 ga. (.1054) 316L stainless steel with #3/4 brush finish
- Cover gasket: 1/4" thick Bisco silicone with acrylic PSA, Part #HT805A
- Gland plate gasket: 1/8" thick Bisco silicone with acrylic PSA, Part #HT805A

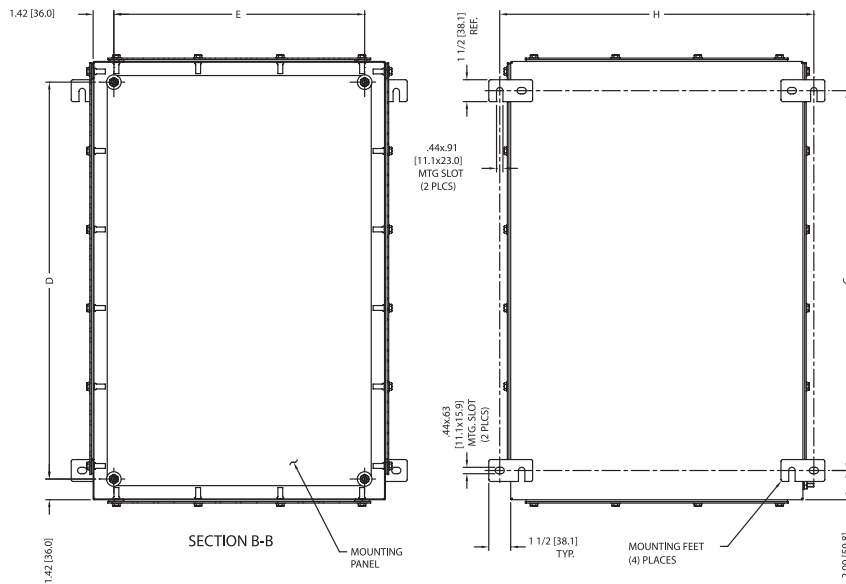
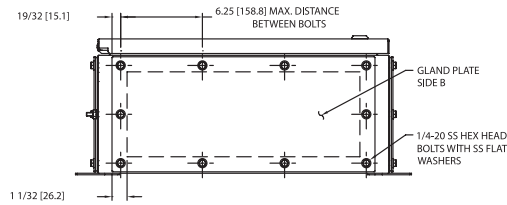
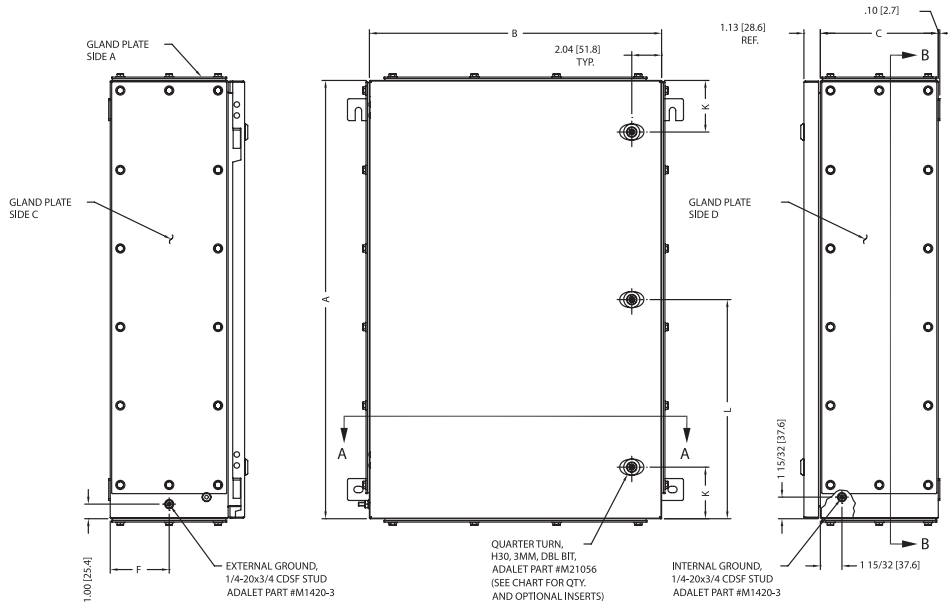
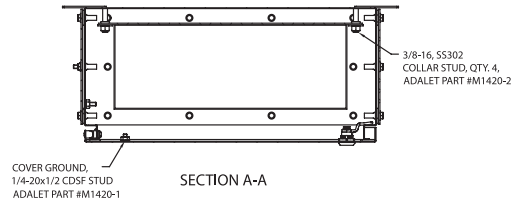
### OPTIONS

- Optional pressure sensitive adhesive gasket material, Part #HT8055
- Optional Quarter Turn Inserts:
  - Slot
  - 8mm Hex Socket
  - 7mm Triangle
  - 8mm Triangle
  - 7mm Square
  - 8mm Square
  - 5mm Double Bit
  - Bellcore 216
  - Railway standard

# VC / VH SERIES

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## VH4X6 Series



# VC / VH SERIES

## VH4X6 Series

INCREASED SAFETY  
VC / VH Enclosures

### STAINLESS STEEL 316L

INCHES

Catalog Number	Enclosure Dimensions			Collar Stud Spacing		Grd. Stud Locations	Mounting Feet Spacing		# Qtr. Turns	Quarter Turn Locations	
	ENCLOSURE	A	B	C	D	E	F	G		H	L
VH4X6-101006	10.24	10.24	6.30	7.40	7.40	3.15	6.24	11.74	1	5.12	-
VH4X6-101008	10.24	10.24	8.07	7.40	7.40	4.04	6.24	11.74	1	5.12	-
VH4X6-121206	12.05	12.05	6.30	9.22	9.22	3.15	8.05	13.55	1	6.03	-
VH4X6-121208	12.05	12.05	8.07	9.22	9.22	4.04	8.05	13.55	1	6.03	-
VH4X6-151006	14.96	10.24	6.30	12.13	7.40	3.15	10.96	11.74	1	7.48	-
VH4X6-151008	14.96	10.24	8.07	12.13	7.40	4.04	10.96	11.74	1	7.48	-
VH4X6-181506	18.03	15.04	6.30	15.20	12.21	3.15	14.03	16.54	1	9.02	-
VH4X6-191908	18.90	18.90	8.07	16.07	16.07	4.04	14.90	20.40	1	9.45	-
VH4X6-201406	19.68	13.78	6.30	16.85	10.95	3.15	15.68	15.28	1	9.84	-
VH4X6-201408	19.68	13.78	8.07	16.85	10.95	4.04	15.68	15.28	1	9.84	-
VH4X6-241808	24.41	17.72	8.07	21.58	14.89	4.04	20.41	19.22	2	-	3.53
VH4X6-292208	29.13	21.65	8.07	26.30	18.82	4.04	25.13	23.15	2	-	3.53
VH4X6-302008	30.00	20.00	8.07	27.17	17.17	4.04	26.00	21.50	2	-	3.53

**NOTES** Optional Gland Plate Suffixes

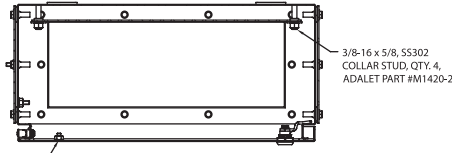
- A: Gland Plate on Top Side
- B: Gland Plate on Bottom Side
- C: Gland Plate on Left Side
- D: Gland Plate on Right Side

\*Omit dashes when multiple gland plates are installed.

# VC / VH SERIES

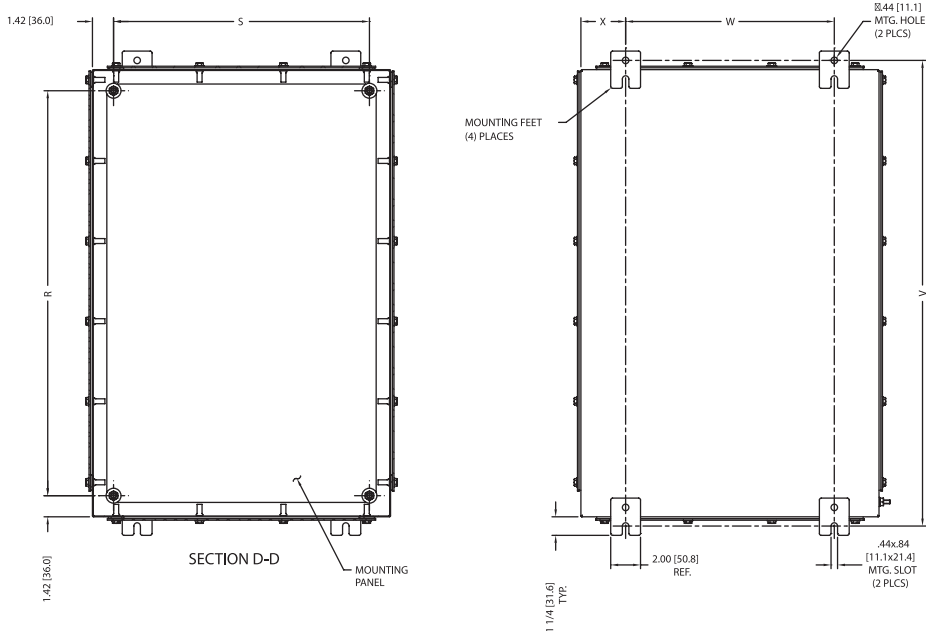
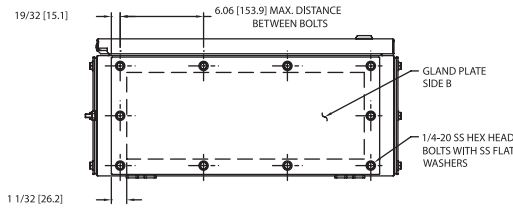
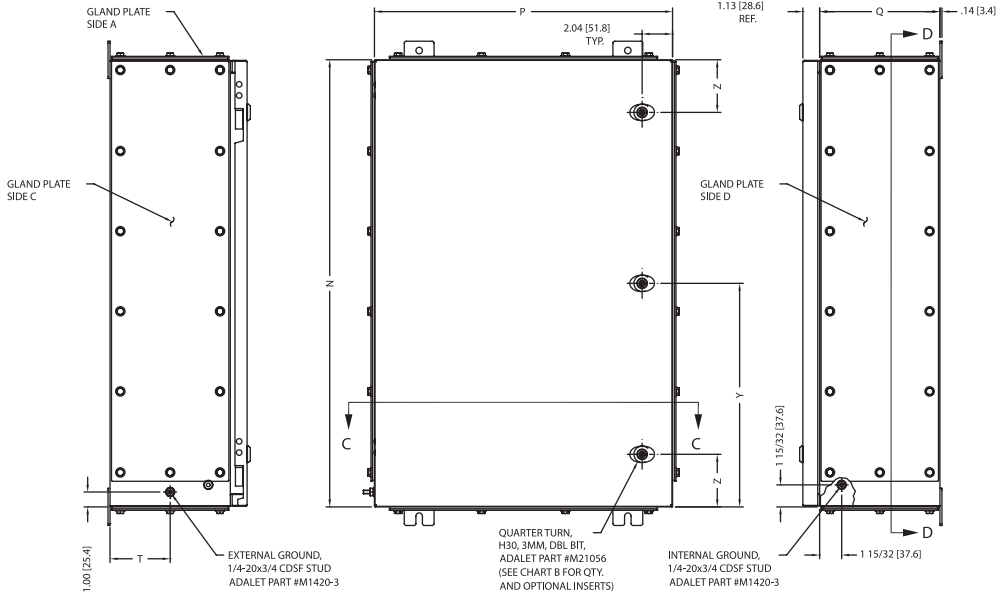
INCREASED SAFETY  
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## VC4X6 Series Vertical Mount



COVER GROUND,  
1/4-20x1/2 CDSF STUD  
ADALET PART #M1420-1

SECTION C-C



# VC / VH SERIES

## VC4X6 Series Vertical Mount

INCREASED SAFETY  
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STAINLESS STEEL 316L

INCHES

Catalog Number	Enclosure Dimensions			Collar Stud Spacing		Grd. Stud Locations	Mounting Feet Spacing			# Qtr. Turns	Quarter Turn Locations	
	ENCLOSURE	N	P	Q	R	S	T	V	W		X	Y
VC4X6-090605V	9.00	6.00	5.00	6.17	3.17	2.50	10.24	3.50	1.25	1	4.50	-
VC4X6-120806V	12.00	8.00	6.30	9.17	5.17	3.15	13.24	5.50	1.25	1	6.00	-
VC4X6-121206V	12.05	12.05	6.3	9.22	9.22	3.15	13.24	9.50	1.28	1	6.03	-
VC4X6-161206V	16.00	12.00	8.00	13.17	9.17	3.15	17.24	9.50	1.25	1	8.00	-
VC4X6-161208V	16.00	12.00	8.00	13.17	9.17	4.00	17.24	9.50	1.25	1	8.00	-
VC4X6-161606V	16.00	16.00	6.30	13.17	13.17	3.15	17.24	10.00	3.00	1	8.00	-
VC4X6-161608V	16.00	16.00	8.00	13.17	13.17	4.00	17.24	10.00	3.00	1	8.00	-
VC4X6-162006V	16.00	20.00	6.30	13.17	17.17	3.15	17.24	14.00	3.00	1	8.00	-
VC4X6-162008V	16.00	20.00	8.00	13.17	17.17	4.00	17.24	14.00	3.00	1	10.00	-
VC4X6-201606V	20.00	16.00	6.30	17.17	13.17	3.15	21.24	10.00	3.00	1	10.00	-
VC4X6-201608V	20.00	16.00	8.00	17.17	13.17	4.00	21.24	10.00	3.00	1	10.00	-
VC4X6-202006V	20.00	20.00	6.30	17.17	13.17	3.15	21.24	14.00	3.00	1	10.00	-
VC4X6-202008V	20.00	20.00	8.00	17.17	17.17	4.00	21.24	14.00	3.00	1	10.00	-
VC4X6-202408V	20.00	24.00	8.00	17.17	21.17	4.00	21.24	18.00	3.00	1	10.00	-
VC4X6-241606V	24.00	16.00	6.30	21.17	13.17	3.15	25.24	10.00	3.00	2	-	3.53
VC4X6-241608V	24.00	16.00	8.00	21.17	13.17	4.00	25.24	10.00	3.00	2	-	3.53
VC4X6-242006V	24.00	20.00	6.30	21.17	17.17	3.15	25.24	10.00	3.00	2	-	3.53
VC4X6-242008V	24.00	20.00	6.30	21.17	17.17	4.00	25.24	14.00	3.00	2	-	3.53
VC4X6-242406V	24.00	24.00	6.30	21.17	21.17	3.15	25.24	18.00	3.00	2	-	3.53
VC4X6-242408V	24.00	24.00	8.00	21.17	21.17	4.00	25.24	18.00	3.00	2	-	3.53
VC4X6-243008V	24.00	30.00	8.00	21.17	27.17	4.00	25.24	24.00	3.00	2	-	3.53
VC4X6-302008V	30.00	20.00	8.07	27.17	17.17	4.04	31.24	14.00	3.00	2	-	3.53
VC4X6-302408V	30.00	24.00	8.00	27.17	21.17	4.00	31.24	18.00	3.00	2	-	3.53
VC4X6-303008V	30.00	30.00	8.00	27.17	27.17	4.00	31.24	24.00	3.00	2	-	3.53

**NOTES** Optional Gland Plate Suffixes

- A: Gland Plate On Top Side
- B: Gland Plate On Bottom Side
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- D: Gland Plate On Right Side

\*Omit dashes when multiple gland plates are installed.



STAINLESS STEEL 316L

INCHES

Catalog Number	Enclosure Dimensions			Collar Stud Spacing		Grd. Stud Locations	Mounting Feet Spacing			# Qtr. Turns	Quarter Turn Locations	
	ENCLOSURE	N	P	Q	R	S	T	V	W		X	Y
VC4X6-090605H	9.00	6.00	5.00	6.17	3.17	2.50	1.51	5.98	8.19	1	4.50	-
VC4X6-120806H	12.00	8.00	6.30	9.17	5.17	3.15	2.01	7.99	10.20	1	6.00	-
VC4X6-121206H	12.05	12.05	6.3	9.22	9.22	3.15	2.03	7.99	14.21	1	6.03	-
VC4X6-161206H	16.00	12.00	8.00	13.17	9.17	3.15	2.74	10.51	14.21	1	8.00	-
VC4X6-161208H	16.00	12.00	8.00	13.17	9.17	4.00	2.74	10.51	14.21	1	8.00	-
VC4X6-161606H	16.00	16.00	6.30	13.17	13.17	3.15	2.74	10.51	18.19	1	8.00	-
VC4X6-161608H	16.00	16.00	8.00	13.17	13.17	4.00	2.74	10.51	18.19	1	8.00	-
VC4X6-162006H	16.00	20.00	6.30	13.17	17.17	3.15	2.74	10.51	22.20	1	8.00	-
VC4X6-162008H	16.00	20.00	8.00	13.17	17.17	4.00	2.74	10.51	22.20	1	10.00	-
VC4X6-201606H	20.00	16.00	6.30	17.17	13.17	3.15	3.03	13.94	18.19	1	10.00	-
VC4X6-201608H	20.00	16.00	8.00	17.17	13.17	4.00	3.03	13.94	18.19	1	10.00	-
VC4X6-202006H	20.00	20.00	6.30	17.17	13.17	3.15	3.03	13.94	22.20	1	10.00	-
VC4X6-202008H	20.00	20.00	8.00	17.17	17.17	4.00	3.03	13.94	22.20	1	10.00	-
VC4X6-202408H	20.00	24.00	8.00	17.17	21.17	4.00	3.03	13.94	26.22	1	10.00	-
VC4X6-241606H	24.00	16.00	6.30	21.17	13.17	3.15	3.24	17.52	18.19	2	-	3.53
VC4X6-241608H	24.00	16.00	8.00	21.17	13.17	4.00	3.24	17.52	18.19	2	-	3.53
VC4X6-242006H	24.00	20.00	6.30	21.17	17.17	3.15	3.24	17.52	22.20	2	-	3.53
VC4X6-242008H	24.00	20.00	6.30	21.17	17.17	4.00	3.24	17.52	22.20	2	-	3.53
VC4X6-242406H	24.00	24.00	6.30	21.17	21.17	3.15	3.24	17.52	26.22	2	-	3.53
VC4X6-242408H	24.00	24.00	8.00	21.17	21.17	4.00	3.24	17.52	26.22	2	-	3.53
VC4X6-243008H	24.00	30.00	8.00	21.17	27.17	4.00	3.24	17.52	32.20	2	-	3.53
VC4X6-302008H	30.00	20.00	8.07	27.17	17.17	4.04	5.00	20.00	22.20	2	-	3.53
VC4X6-302408H	30.00	24.00	8.00	27.17	21.17	4.00	5.00	20.00	26.22	2	-	3.53
VC4X6-303008H	30.00	30.00	8.00	27.17	27.17	4.00	5.00	20.00	32.20	2	-	3.53

- NOTES** Optional Gland Plate Suffixes
- A: Gland Plate On Top Side
  - B: Gland Plate On Bottom Side
  - C: Gland Plate On Left Side
  - D: Gland Plate On Right Side
- \*Omit dashes when multiple gland plates are installed.