

CONCEPT® Stainless Steel Wall-Mount Enclosures



Application

The CONCEPT® stainless steel enclosure, with its streamlined design and Type 4X rating, is a perfect fit for mounting electrical or high-tech electronic equipment in a variety of indoor and outdoor settings. It is typically used in the following areas where corrosion-resistant protection is needed: food processing plants, pharmaceutical manufacturing facilities, petrochemical plants, pulp and paper processing, and water treatment facilities.

See Chapter 11, EMC Enclosures, for information on a related EMC-shielded product.

Patents:
 Combined Handle and Lock Unit
 360,345 (U.S.)
 DEM 9405854.7 (Germany)
 Enclosure Latch 5,509,703 (U.S.)
 Hinge System 5,666,695 (U.S.)

Other patents pending.

Construction

- Manufactured from 16 or 14 gauge Type 304 or Type 316L stainless steel
- Seams continuously welded and ground smooth
- Minimum width body flange provides maximum door opening
- Body flange trough excludes liquids and contaminants
- Panel mounting studs fit optional CONCEPT® panels and other accessories
- Mounting holes in back of body for direct mounting or for optional external mounting brackets
- Type 304 stainless steel hidden hinges promote clean aesthetic appearance
- Standard full access door opening
- Doors are interchangeable and easily removable by pulling captive hinge pins
- For extra rigidity, door bars furnished on doors 36.00 x 36.00 in.(914mm) and larger
- Provision on door (except window door style) for thermoplastic data pocket
- Provision on door (except window door style) for optional doorstop kit
- Quarter-turn latches (or a 3-point latch system on larger enclosures) furnished with flush slotted insert. Optional handles or inserts are available.
- Window door enclosures have a clear polycarbonate window mounted flush with door surface
- Seamless foam-in-place gasket provides oil-tight and dust-tight seal against contaminants
- Self-grounding latch system with double seal provides maximum protection against leakage
- Integral body grounding stud
- Furnished hardware kit consists of panel mounting nuts, panel grounding hardware, and sealing washers for wall-mounting holes
- Installation instructions for enclosure and accessories are provided

Finish

Enclosures are unpainted. Door and body have smooth #4 brushed finish.

- Optional CONCEPT® panels are white painted or zinc-plated.
- Optional NEMA panels are white painted, zinc-plated, aluminum, or stainless steel.

Industry Standards

Mounting brackets required to meet UL/CSA external mounting requirements.

UL 508A, 508, File No. E61997: Type 3R, Type 4, Type 4X, and Type 12
 NEMA/EEMAC Type 3R, Type 4, Type 4X, Type 12, and Type 13
 CSA File No. LR42186: Type 4, Type 4X, and Type 12
 VDE IP66
 IEC 60529, IP66
 Meets Type 3RX requirements

Accessories

See Chapter 12, General Accessories.

Corrosion Inhibitors
 Data Pocket (except window door style)
 DIN3 Rails
 Door Stop Kit (except window door style)
 Lighting Kits
 Mounting Brackets
 Panels (see table)
 Panels, NEMA
 Terminal Block Kit Assembly
 Thermal Accessories

Modification Services Program

You can customize this product to your unique requirements by specifying from these options:

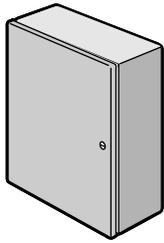
- Enclosure height, width, depth
- Holes and cutouts in body, doors, subpanels
- Tapped holes in subpanels
- Fasteners, mounting channel in enclosure and subpanel
- Mounting (adds and deletes)
- Doors
- Subpanels
- Thermal management (louvers, fans, filters)
- Windows
- Standard accessories
- Drip shield

For details, see Modification Services at hoffmanonline.com.

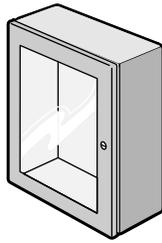
To order, contact your local Hoffman sales representative.

NOTE: For information about modifications outside the scope of the Modification Services program, contact your Hoffman sales representative.

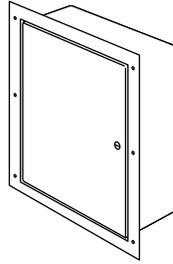
The **CONCEPT®** Enclosure Group **Accessory Selection Guide** See Chapter 12, General Accessories: **CONCEPT®** Enclosure Accessories



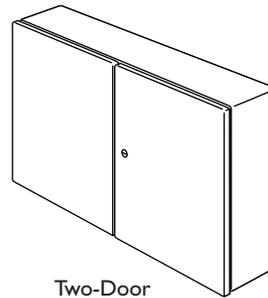
Steel or
Stainless Steel
Enclosures



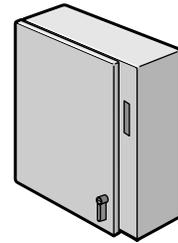
Steel or
Stainless Steel
Window-Door
Enclosures



Flush Mount
Enclosures



Two-Door
Enclosures



Steel or
Stainless Steel
Disconnect
Enclosures

Internal Accessories

- Steel Panel
- Swing-Out Panel
- Panel Conversion Kit
- Swing-Out Rack Frame
- Dead Front Kit
- Adjustable Depth Mounting Kit
- Mounting Channels
- DIN3 Rail Kit
- Grid Straps
- Rack Mounting Angles

Door Accessories

- Door Stop Kit
- Data Pocket
- Handles and Latches
- Key Inserts

External Accessories

- Mounting Bracket Kit
- Pole Mounting Kit
- Stainless steel strap with galvanized unistrut.

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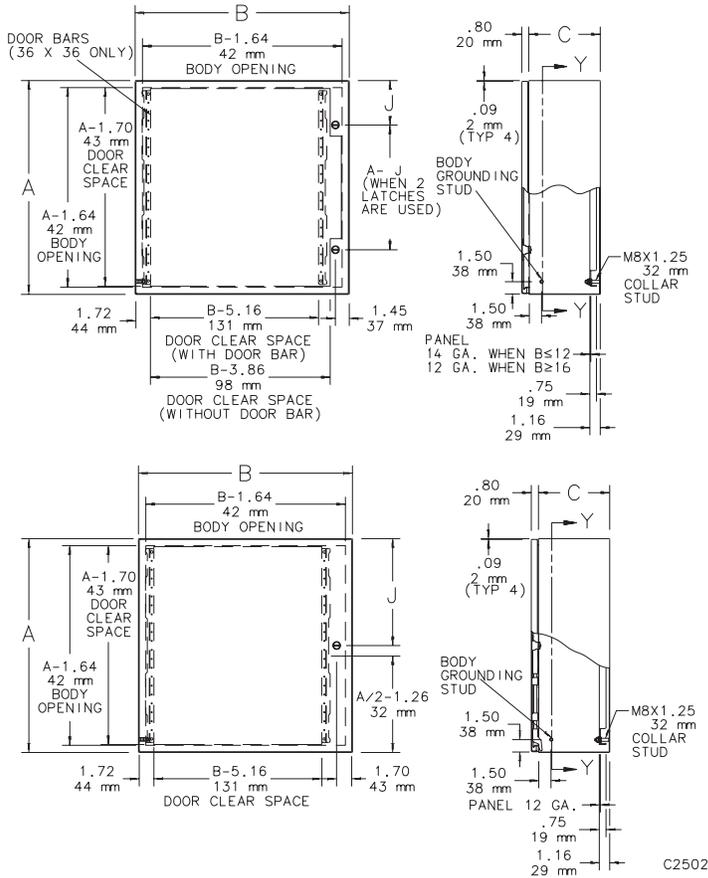
CONCEPT® Stainless Steel Wall-Mount Enclosures

Standard Sizes CONCEPT® Stainless Steel Single-Door Wall-Mount Enclosures

Type 304 Catalog Number	Type 316L Catalog Number	Door Gauge	Body Gauge	Enclosure Size A x B x C	* CONCEPT® Panel Catalog Number	Panel Size D x E	Mounting G x H	Latches qty	style	J
CSD12126SS	CSD12126SS6	16	16	12.00 x 12.00 x 6.00 (305 x 305 x 152)	CP1212	10.20 x 10.20 (259 x 259)	10.50 x 10.50 (267 x 267)	1	Quarter-turn	6.00 (152)
CSD16126SS	CSD16126SS6	16	16	16.00 x 12.00 x 6.00 (406 x 305 x 152)	CP1612	14.20 x 10.20 (361 x 259)	14.50 x 10.50 (368 x 267)	1	Quarter-turn	8.00 (203)
CSD16166SS	CSD16166SS6	16	16	16.00 x 16.00 x 6.00 (406 x 406 x 152)	CP1616	14.20 x 14.20 (361 x 361)	14.50 x 14.50 (368 x 368)	1	Quarter-turn	8.00 (203)
CSD20166SS	CSD20166SS6	16	16	20.00 x 16.00 x 6.00 (508 x 406 x 152)	CP2016	18.20 x 14.50 (462 x 361)	18.50 x 14.50 (470 x 368)	1	Quarter-turn	10.00 (254)
CSD20206SS	CSD20206SS6	16	16	20.00 x 20.00 x 6.00 (508 x 508 x 152)	CP2020	18.20 x 18.20 (462 x 462)	18.50 x 18.50 (470 x 470)	1	Quarter-turn	10.00 (254)
CSD16128SS	CSD16128SS6	16	16	16.00 x 12.00 x 8.00 (406 x 305 x 203)	CP1612	14.20 x 10.20 (361 x 259)	14.50 x 10.50 (368 x 267)	1	Quarter-turn	8.00 (203)
CSD16168SS	CSD16168SS6	16	16	16.00 x 16.00 x 8.00 (406 x 406 x 203)	CP1616	14.20 x 14.20 (361 x 361)	14.50 x 14.50 (368 x 368)	1	Quarter-turn	8.00 (203)
CSD16208SS	CSD16208SS6	16	16	16.00 x 20.00 x 8.00 (406 x 508 x 203)	CP2016	18.20 x 14.20 (462 x 361)	14.50 x 18.50 (368 x 470)	1	Quarter-turn	8.00 (203)
CSD20168SS	CSD20168SS6	16	16	20.00 x 16.00 x 8.00 (508 x 406 x 203)	CP2016	18.20 x 14.20 (462 x 361)	18.50 x 14.50 (470 x 368)	1	Quarter-turn	10.00 (254)
CSD20208SS	CSD20208SS6	16	16	20.00 x 20.00 x 8.00 (508 x 508 x 203)	CP2020	18.20 x 18.20 (462 x 462)	18.50 x 18.50 (470 x 470)	1	Quarter-turn	10.00 (254)
CSD24168SS	CSD24168SS6	16	16	24.00 x 16.00 x 8.00 (610 x 406 x 203)	CP2416	22.20 x 14.20 (564 x 361)	22.50 x 14.50 (572 x 368)	1	Quarter-turn	12.00 (305)
CSD24208SS	CSD24208SS6	16	16	24.00 x 20.00 x 8.00 (610 x 508 x 203)	CP2420	22.20 x 18.20 (564 x 462)	22.50 x 18.50 (572 x 470)	1	Quarter-turn	12.00 (305)
CSD24248SS	CSD24248SS6	14	16	24.00 x 24.00 x 8.00 (610 x 610 x 203)	CP2424	22.20 x 22.20 (564 x 564)	22.50 x 22.50 (572 x 572)	2	Quarter-turn	5.00 (127)
CSD30248SS	CSD30248SS6	14	16	30.00 x 24.00 x 8.00 (762 x 610 x 8.00)	CP3024	28.20 x 22.20 (716 x 564)	28.50 x 22.50 (724 x 572)	2	Quarter-turn	5.00 (127)
CSD30308SS	CSD30308SS6	14	14	30.00 x 30.00 x 8.00 (762 x 762 x 203)	CP3030	28.20 x 28.20 (716 x 716)	28.50 x 28.50 (724 x 724)	2	Quarter-turn	5.00 (127)
CSD36248SS	CSD36248SS6	14	16	36.00 x 24.00 x 8.00 (914 x 610 x 203)	CP3624	34.20 x 22.20 (869 x 564)	34.50 x 22.50 (876 x 572)	2	Quarter-turn	5.00 (127)
CSD36308SS	CSD36308SS6	14	14	36.00 x 30.00 x 8.00 (914 x 762 x 203)	CP3630	34.20 x 28.20 (869 x 716)	34.50 x 28.50 (876 x 724)	2	Quarter-turn	5.00 (127)
CSD161210SS	CSD161210SS6	16	16	16.00 x 12.00 x 10.00 (406 x 305 x 254)	CP1612	14.20 x 10.20 (361 x 259)	14.50 x 10.50 (368 x 267)	1	Quarter-turn	8.00 (203)
CSD161610SS	CSD161610SS6	16	16	16.00 x 16.00 x 10.00 (406 x 406 x 254)	CP1616	14.20 x 14.20 (361 x 361)	14.50 x 14.50 (368 x 368)	1	Quarter-turn	8.00 (203)
CSD162010SS	CSD162010SS6	16	16	16.00 x 20.00 x 10.00 (406 x 508 x 254)	CP2016	18.20 x 14.20 (462 x 361)	14.50 x 18.50 (368 x 470)	1	Quarter-turn	8.00 (203)
CSD201610SS	CSD201610SS6	16	16	20.00 x 16.00 x 10.00 (508 x 406 x 254)	CP2016	18.20 x 14.20 (462 x 361)	18.50 x 14.50 (470 x 368)	1	Quarter-turn	10.00 (254)
CSD202010SS	CSD202010SS6	16	16	20.00 x 20.00 x 10.00 (508 x 508 x 254)	CP2020	18.20 x 18.20 (462 x 462)	18.50 x 18.50 (470 x 470)	1	Quarter-turn	10.00 (254)
CSD202410SS	CSD202410SS6	16	16	20.00 x 24.00 x 10.00 (508 x 610 x 254)	CP2420	22.20 x 18.20 (564 x 462)	18.50 x 22.50 (470 x 572)	1	Quarter-turn	10.00 (254)
CSD241610SS	CSD241610SS6	16	16	24.00 x 16.00 x 10.00 (610 x 406 x 254)	CP2416	22.20 x 14.20 (564 x 361)	22.50 x 14.50 (572 x 368)	1	Quarter-turn	12.00 (305)
CSD242010SS	CSD242010SS6	16	16	24.00 x 20.00 x 10.00 (610 x 508 x 254)	CP2420	22.20 x 18.20 (564 x 462)	22.50 x 18.50 (572 x 470)	1	Quarter-turn	12.00 (305)
CSD242410SS	CSD242410SS6	14	16	24.00 x 24.00 x 10.00 (610 x 610 x 254)	CP2424	22.20 x 22.20 (564 x 564)	22.50 x 22.50 (572 x 572)	2	Quarter-turn	5.00 (127)
CSD243010SS	CSD243010SS6	14	16	24.00 x 30.00 x 10.00 (610 x 762 x 254)	CP3024	28.20 x 22.20 (716 x 564)	22.50 x 28.50 (572 x 724)	2	Quarter-turn	5.00 (127)
CSD302010SS	CSD302010SS6	14	16	30.00 x 20.00 x 10.00 (762 x 508 x 254)	CP3020	28.20 x 18.20 (716 x 462)	28.50 x 18.50 (724 x 470)	2	Quarter-turn	5.00 (127)
CSD302410SS	CSD302410SS6	14	16	30.00 x 24.00 x 10.00 (762 x 610 x 254)	CP3024	28.20 x 22.20 (716 x 564)	28.50 x 22.50 (724 x 572)	2	Quarter-turn	5.00 (127)
CSD303010SS	CSD303010SS6	14	14	30.00 x 30.00 x 10.00 (762 x 762 x 254)	CP3030	28.20 x 28.20 (716 x 716)	28.50 x 28.50 (724 x 724)	2	Quarter-turn	5.00 (127)
CSD362410SS	CSD362410SS6	14	16	36.00 x 24.00 x 10.00 (914 x 610 x 254)	CP3624	34.20 x 22.20 (869 x 564)	34.50 x 22.50 (876 x 572)	2	Quarter-turn	5.00 (127)
CSD363010SS	CSD363010SS6	14	14	36.00 x 30.00 x 10.00 (914 x 762 x 254)	CP3630	34.20 x 28.20 (869 x 716)	34.50 x 28.50 (876 x 724)	2	Quarter-turn	5.00 (127)
CSD363610SS	CSD363610SS6	14	14	36.00 x 36.00 x 10.00 (914 x 914 x 254)	CP3636	34.20 x 34.20 (869 x 869)	34.50 x 34.50 (876 x 876)	2	Quarter-turn	5.00 (127)
CSD423610SS	CSD423610SS6	14	14	42.00 x 36.00 x 10.00 (1067 x 762 x 254)	CP4236	40.20 x 34.20 (1021 x 869)	40.50 x 34.50 (1029 x 876)	1	3-point.	21.00 (533)

Continued on next page

■ **CONCEPT® Stainless Steel Single-Door Wall-Mount Enclosures**



Single-Door Enclosure with Quarter-turn Latching

Data Pockets for Solid Door Enclosures		
Enclosure Size		
A	B	Pocket
Any	12.00 (305)	None
<30.00 (762)	>12 and <20.00 (508)	Small
>30.00 (762)	>20.00 (508)	Large

Single-Door Enclosure with 3-Point Latching

For Section Y-Y see page 6.25.

Standard Sizes CONCEPT® Stainless Steel Single-Door Wall-Mount Enclosures (Cont.)

Type 304 Catalog Number	Type 316L Catalog Number	Door Gauge	Body Gauge	Enclosure Size A x B x C	* CONCEPT® Panel Catalog Number	Panel Size D x E	Mounting G x H	Latches qty	style	J
CSD482410SS	CSD482410SS6	14	14	48.00 x 24.00 x 10.00 (1219 x 610 x 254)	CP4824	46.20 x 22.20 (1173 x 564)	46.50 x 22.50 (1181 x 572)	1	3-point	24.00 (610)
CSD483610SS	CSD483610SS6	14	14	48.00 x 36.00 x 10.00 (1219 x 762 x 254)	CP4836	46.20 x 34.20 (1173 x 869)	46.50 x 34.50 (1181 x 876)	1	3-point	24.00 (610)
CSD603610SS	CSD603610SS6	14	14	60.00 x 36.00 x 10.00 (1524 x 914 x 254)	CP6036	58.20 x 34.20 (1478 x 869)	58.50 x 34.50 (1486 x 876)	1	3-point	30.00 (762)
CSD202012SS	CSD202012SS6	14	14	20.00 x 20.00 x 12.00 (508 x 508 x 305)	CP2020	18.20 x 18.20 (462 x 462)	18.50 x 18.50 (470 x 470)	1	Quarter-turn	10.00 (254)
CSD242412SS	CSD242412SS6	14	14	24.00 x 24.00 x 12.00 (610 x 610 x 305)	CP2424	22.20 x 22.20 (564 x 564)	22.50 x 22.50 (572 x 572)	2	Quarter-turn	5.00 (127)
CSD302412SS	CSD302412SS6	14	14	30.00 x 24.00 x 12.00 (762 x 610 x 305)	CP3024	28.20 x 22.20 (716 x 564)	28.50 x 22.50 (724 x 572)	2	Quarter-turn	5.00 (127)
CSD362412SS	CSD362412SS6	14	14	36.00 x 24.00 x 12.00 (914 x 610 x 305)	CP3624	34.20 x 22.20 (869 x 564)	34.50 x 22.50 (876 x 572)	2	Quarter-turn	5.00 (127)
CSD363012SS	CSD363012SS6	14	14	36.00 x 30.00 x 12.00 (914 x 762 x 305)	CP3630	34.20 x 28.20 (869 x 716)	34.50 x 28.50 (876 x 724)	2	Quarter-turn	5.00 (127)
CSD363612SS	CSD363612SS6	14	14	36.00 x 36.00 x 12.00 (914 x 914 x 305)	CP3636	34.20 x 34.20 (869 x 869)	34.50 x 34.50 (876 x 876)	2	Quarter-turn	5.00 (127)
CSD423612SS	CSD423612SS6	14	14	42.00 x 36.00 x 12.00 (1067 x 914 x 305)	CP4236	40.20 x 34.20 (1021 x 869)	40.50 x 34.50 (1029 x 876)	1	3-point	21.00 (533)
CSD483612SS	CSD483612SS6	14	14	48.00 x 36.00 x 12.00 (1219 x 914 x 305)	CP4836	46.20 x 34.20 (1173 x 869)	46.50 x 34.50 (1181 x 876)	1	3-point	24.00 (610)
CSD603612SS	CSD603612SS6	14	14	60.00 x 36.00 x 12.00 (1524 x 914 x 305)	CP6036	58.20 x 34.20 (869 x 462)	58.50 x 34.50 (1486 x 876)	1	3-point	30.00 (762)

Millimeter dimensions () are for reference only; do not convert metric dimensions to inch.

* Panels must be ordered separately. Optional zinc-plated CONCEPT® panels available for most sizes. Optional NEMA size steel and stainless steel panels require conversion kit catalog number CCPM4 (see Chapter 12, General Accessories).

NOTE: Panels have a formed flange along any side that is longer than 22.20 in. (564mm). CP2420 and CP2424 have a flange on all four sides.



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CONCEPT® Stainless Steel Wall-Mount Enclosures

Standard Sizes CONCEPT® Stainless Steel Single-Door Wall-Mount Enclosures with Windows

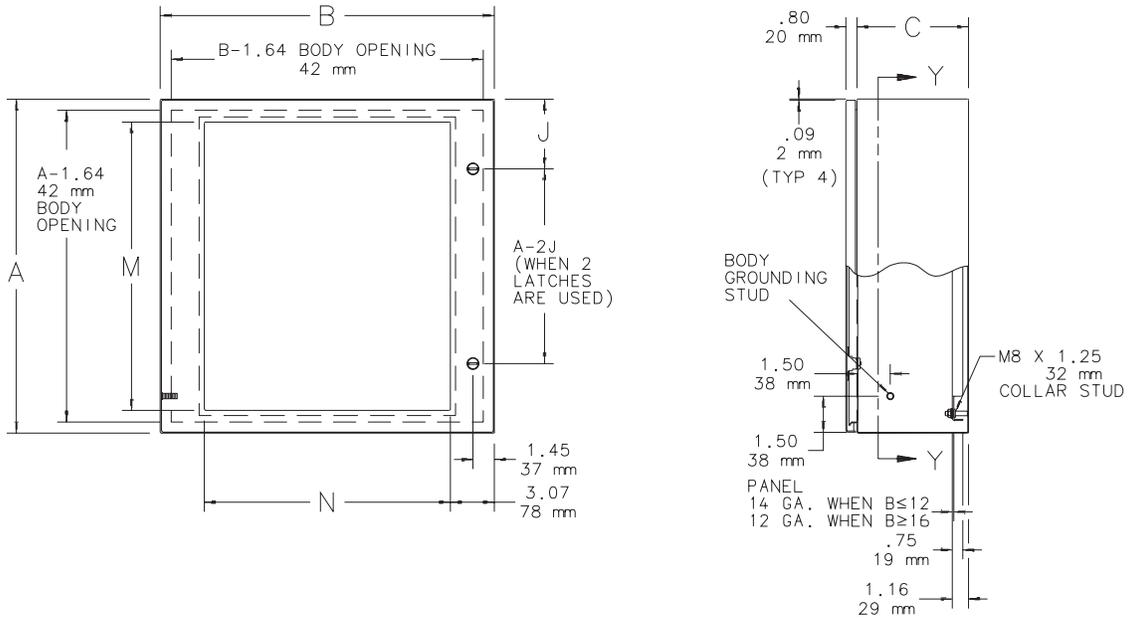
Type 304 Catalog Number	Door Gauge	Body Gauge	Enclosure Size A x B x C	*CONCEPT® Panel Catalog Number	Panel Size D x E	Mounting G x H	Window Size M x N	Latches qty	Latches style	J
CSD12126WSS	16	16	12.00 x 12.00 x 6.00 (305 x 305 x 152)	CP1212	10.20 x 10.20 (259 x 259)	10.50 x 10.50 (267 x 267)	8.74 x 7.10 (222 x 180)	1	Quarter-turn	6.00 (152)
CSD16126WSS	16	16	16.00 x 12.00 x 6.00 (406 x 305 x 152)	CP1612	14.20 x 10.20 (361 x 259)	14.50 x 10.50 (368 x 267)	12.74 x 7.10 (324 x 180)	1	Quarter-turn	8.00 (203)
CSD20166WSS	16	16	20.00 x 16.00 x 6.00 (508 x 406 x 152)	CP2016	18.20 x 14.20 (462 x 361)	18.50 x 14.50 (470 x 368)	16.74 x 11.10 (425 x 282)	1	Quarter-turn	10.00 (254)
CSD20206WSS	16	16	20.00 x 20.00 x 6.00 (508 x 508 x 152)	CP2020	18.20 x 18.20 (462 x 462)	18.50 x 18.50 (470 x 470)	16.74 x 15.10 (425 x 384)	1	Quarter-turn	10.00 (254)
CSD20168WSS	16	16	20.00 x 16.00 x 8.00 (508 x 406 x 203)	CP2016	18.20 x 14.20 (462 x 361)	18.50 x 14.50 (470 x 368)	16.74 x 11.10 (425 x 282)	1	Quarter-turn	10.00 (254)
CSD20208WSS	16	16	20.00 x 20.00 x 8.00 (508 x 508 x 203)	CP2020	18.20 x 18.20 (462 x 462)	18.50 x 18.50 (470 x 470)	16.74 x 15.10 (425 x 384)	1	Quarter-turn	10.00 (254)
CSD24208WSS	16	16	24.00 x 20.00 x 8.00 (610 x 508 x 203)	CP2420	22.20 x 18.20 (564 x 462)	22.50 x 18.50 (572 x 470)	20.74 x 15.10 (527 x 384)	1	Quarter-turn	12.00 (305)
CSD24248WSS	14	16	24.00 x 24.00 x 8.00 (610 x 610 x 203)	CP2424	22.20 x 22.20 (564 x 564)	22.50 x 22.50 (572 x 572)	20.74 x 17.68 (527 x 449)	2	Quarter-turn	5.00 (127)
CSD30248WSS	14	16	30.00 x 24.00 x 8.00 (762 x 610 x 203)	CP3024	28.20 x 22.20 (716 x 564)	28.50 x 22.50 (724 x 572)	26.74 x 17.68 (679 x 449)	2	Quarter-turn	5.00 (127)
CSD161210WSS	16	16	16.00 x 12.00 x 10.00 (406 x 305 x 203)	CP1612	14.20 x 10.20 (361 x 259)	14.50 x 10.50 (368 x 267)	12.74 x 7.10 (324 x 180)	1	Quarter-turn	8.00 (203)
CSD201610WSS	16	16	20.00 x 16.00 x 10.00 (508 x 406 x 203)	CP2016	18.20 x 14.20 (462 x 361)	18.50 x 14.50 (470 x 368)	16.74 x 11.10 (425 x 282)	1	Quarter-turn	10.00 (254)
CSD202010WSS	16	16	20.00 x 20.00 x 10.00 (508 x 508 x 203)	CP2020	18.20 x 18.20 (462 x 462)	18.50 x 18.50 (470 x 470)	16.74 x 15.10 (425 x 384)	1	Quarter-turn	10.00 (254)
CSD242010WSS	16	16	24.00 x 20.00 x 10.00 (610 x 508 x 203)	CP2420	22.20 x 18.20 (564 x 462)	22.50 x 18.50 (572 x 470)	20.74 x 15.10 (527 x 384)	1	Quarter-turn	12.00 (305)
CSD242410WSS	14	16	24.00 x 24.00 x 10.00 (610 x 610 x 203)	CP2424	22.20 x 22.20 (564 x 564)	22.50 x 22.50 (572 x 572)	20.74 x 17.68 (527 x 449)	2	Quarter-turn	5.00 (127)
CSD302410WSS	14	16	30.00 x 24.00 x 10.00 (762 x 610 x 203)	CP3024	28.20 x 22.20 (716 x 564)	28.50 x 22.50 (724 x 572)	26.74 x 17.68 (679 x 449)	2	Quarter-turn	5.00 (127)
CSD202012WSS	14	16	20.00 x 20.00 x 12.00 (508 x 508 x 305)	CP2020	18.20 x 18.20 (462 x 462)	18.50 x 18.50 (470 x 470)	16.74 x 15.10 (425 x 384)	1	Quarter-turn	10.00 (254)
CSD302412WSS	14	16	30.00 x 24.00 x 12.00 (762 x 610 x 305)	CP3024	28.20 x 22.20 (716 x 564)	28.50 x 22.50 (724 x 572)	26.74 x 17.68 (679 x 449)	2	Quarter-turn	5.00 (127)

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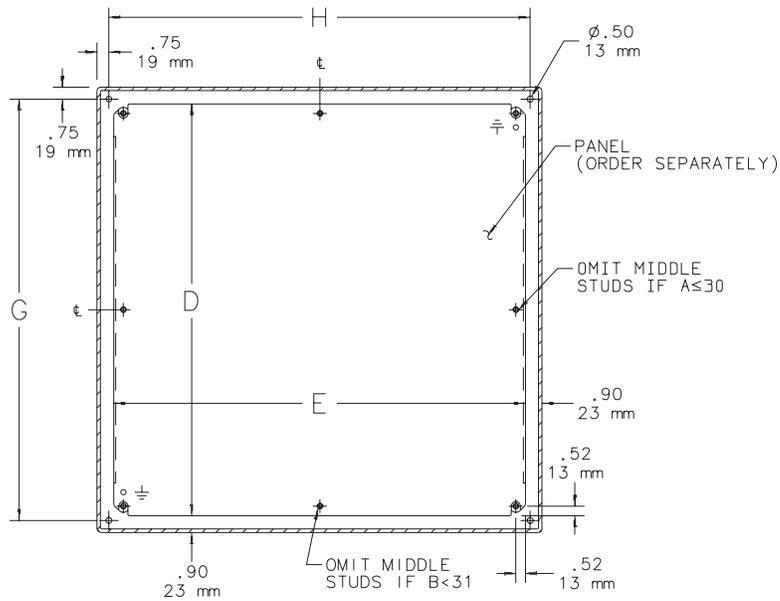
* Panels must be ordered separately. Optional zinc-plated CONCEPT® panels available for most sizes. Optional NEMA size steel and stainless steel panels require conversion kit catalog number CCPM4 (see Chapter 12, General Accessories).

NOTE: Panels have a formed flange along any side that is longer than 22.20 in. (564mm). CP2420 and CP2424 have a flange on all four sides.

■ **CONCEPT® Stainless Steel Single-Door Wall-Mount Enclosures with Windows**



Window Door Enclosure with Quarter-turn Latching



SECTION Y-Y
(WITH CONCEPT® PANEL INSTALLED)

C2503