



ENCLOSURES

USF ENCLOSURES ONLY

TECHNE-TERM[®]



USF Series

cCSAus / ATEX / IEC Ex Certified

Ex tb / AEx tb Zone 21 IIIC

T80°C/T100°C/T130°C Db

Enclosure Type 3, 4 & 4X IP66

Report No. 15.70013872



0539 II 2 G D

Ex e IIC Gb

Ex tb IIC Db IP66

Service temperature -50°C to +135°C

IECEX SIR 14.0053U

SIRA 14ATEX3156U



FEATURES-SPECIFICATIONS

Applications

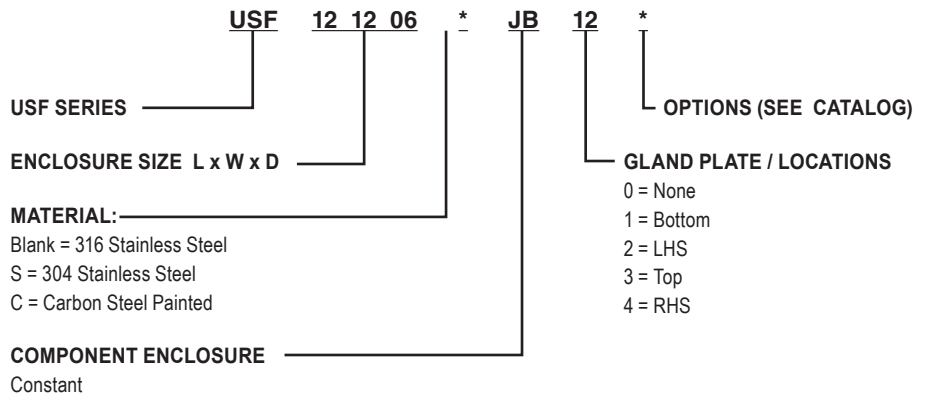
Panel builders and intergraders building equipment for use in hazardous, corrosive, wet, hose down, dust, dirty, for both hot and cold industrial applications

- Pulp & Paper Mills
- Breweries
- Electrical Power Plants
- Refineries
- Petrochemical Plants
- Chemical Plants
- Wastewater Treatment
- Grain Facilities
- Marine, Docks, Ports
- Coal Handling
- Off Shore Platforms
- Pumping Stations
- Textile manufacturing
- Food Processing

USF Enclosures Features—38 Sizes

- External slope top flange directs water, melting ice & snow and dust build up away from the opening side of the door.
- Continuous robot welded seams for a hose down tight seal.
- Concealed hinges with removable hinge pins.
- Doors are interchangeable and easily removable.
- Ground/earthing studs in both cover and through wall of the box.

- Quarter turn 316 stainless steel latch
- One piece high temperature closed cell silicone gasket. With superior recovery and re-sealing properties.
- Sturdy 14 gauge box construction helps prevent bending or permanent deflection of the walls when field installing openings.
- Bi-directional removal mounting lugs for the widest flexibility during installations.
- Openings for glands or conduits factory or field installed—option for gland plates.





USF SLOPE FLANGE ENCLOSURE



CATALOG NUMBER	HEIGHT IN. (MM)	WIDTH	DEPTH	"E"	"F"	"G"	"H"	"A" GLAND PLATE	"B" GLAND PLATE	"C" GLAND PLATE	WEIGHT LBS (KG)
USF121206-JB	12 (305)	12 (305)	6 (153)	10.69 (272)	10.69 (272)	13.63 (346)	13.63 (346)	4.06 (103)	9.38 (238)	9.63 (245)	14 (6.3)
USF161206-JB	16 (407)	12 (305)	6 (153)	10.69 (272)	14.69 (373)	13.63 (346)	17.63 (448)	4.06 (103)	13.38 (340)	9.63 (245)	20 (9.1)
USF161208-JB	16 (407)	12 (305)	8 (203)	10.69 (272)	14.69 (373)	13.63 (346)	17.63 (448)	6.06 (154)	13.38 (340)	9.63 (245)	22 (10)
USF161210-JB	16 (407)	12 (305)	10 (254)	10.69 (272)	14.69 (373)	13.63 (346)	17.63 (448)	8.06 (205)	13.38 (340)	9.63 (245)	24 (10.9)
USF161606-JB	16 (407)	16 (407)	6 (153)	14.69 (373)	14.69 (373)	17.63 (448)	17.63 (448)	4.06 (103)	13.38 (340)	13.38 (340)	26 (11.8)
USF161608-JB	16 (407)	16 (407)	8 (203)	14.69 (373)	14.69 (373)	17.63 (448)	17.63 (448)	6.06 (154)	13.38 (340)	13.38 (340)	27 (12.2)
USF161610-JB	16 (407)	16 (407)	10 (254)	14.69 (373)	14.69 (373)	17.63 (448)	17.63 (448)	8.06 (205)	13.38 (340)	13.38 (340)	29 (13.2)
USF201606-JB	20 (508)	16 (407)	6 (153)	18.69 (475)	14.69 (373)	21.63 (549)	17.63 (448)	4.06 (103)	17.38 (441)	13.38 (340)	29 (13.2)
USF201608-JB	20 (508)	16 (407)	8 (203)	14.69 (373)	18.69 (475)	17.63 (448)	21.63 (549)	6.06 (154)	17.38 (441)	13.38 (340)	31 (14)
USF201610-JB	20 (508)	16 (407)	10 (254)	14.69 (373)	18.69 (475)	17.63 (448)	21.63 (549)	8.06 (205)	17.38 (441)	13.38 (340)	32 (14.5)
USF202006-JB	20 (508)	20 (508)	6 (153)	14.69 (373)	18.69 (475)	17.63 (448)	21.63 (549)	4.06 (103)	17.38 (441)	17.38 (441)	35 (15.9)
USF202008-JB	20 (508)	20 (508)	8 (203)	18.69 (475)	18.69 (475)	21.63 (549)	21.63 (549)	6.06 (154)	17.38 (441)	17.38 (441)	37 (16.8)
USF202010-JB	20 (508)	20 (508)	10 (254)	18.69 (475)	18.69 (475)	21.63 (549)	21.63 (549)	8.06 (205)	17.38 (441)	17.38 (441)	39 (17.7)
USF202012-JB	20 (508)	20 (508)	12 (305)	18.69 (475)	18.69 (475)	21.63 (549)	21.63 (549)	10.06 (255)	17.38 (441)	17.38 (441)	44 (20)
USF241606-JB	24 (610)	16 (407)	6 (153)	14.69 (373)	22.69 (576)	17.63 (448)	25.63 (651)	4.06 (103)	21.38 (543)	13.38 (340)	35 (15.9)
USF241608-JB	24 (610)	16 (407)	8 (203)	18.69 (475)	18.69 (475)	21.63 (549)	21.63 (549)	6.06 (154)	21.38 (543)	13.38 (340)	36 (16.3)
USF241610-JB	24 (610)	16 (407)	10 (254)	14.69 (373)	22.69 (576)	17.63 (448)	25.63 (651)	8.06 (205)	21.38 (543)	13.38 (340)	38 (17.2)
USF242006-JB	24 (610)	20 (508)	6 (153)	14.69 (373)	22.69 (576)	17.63 (448)	25.63 (651)	4.06 (103)	21.38 (543)	17.38 (441)	42 (19)
USF242008-JB	24 (610)	20 (508)	8 (203)	18.69 (475)	22.69 (576)	21.63 (549)	25.63 (651)	6.06 (154)	21.38 (543)	17.38 (441)	43 (19.5)
USF242010-JB	24 (610)	20 (508)	10 (254)	18.69 (475)	22.69 (576)	21.63 (549)	25.63 (651)	8.06 (205)	21.38 (543)	17.38 (441)	44 (20)
USF242012-JB	24 (610)	20 (508)	12 (305)	18.69 (475)	22.69 (576)	21.63 (549)	25.63 (651)	10.06 (255)	21.38 (543)	17.38 (441)	46 (20.9)
USF242406-JB	24 (610)	24 (610)	6 (153)	18.69 (475)	22.69 (576)	21.63 (549)	25.63 (651)	4.06 (103)	21.38 (543)	21.38 (543)	49 (22.2)
USF242408-JB	24 (610)	24 (610)	8 (203)	22.69 (576)	22.69 (576)	25.63 (651)	25.63 (651)	6.06 (154)	21.38 (543)	21.38 (543)	53 (24)
USF242410-JB	24 (610)	24 (610)	10 (254)	22.69 (576)	22.69 (576)	25.63 (651)	25.63 (651)	8.06 (205)	21.38 (543)	21.38 (543)	58 (26.3)
USF242412-JB	24 (610)	24 (610)	12 (305)	22.69 (576)	22.69 (576)	25.63 (651)	25.63 (651)	10.06 (255)	21.38 (543)	21.38 (543)	62 (28.1)
USF242416-JB	24 (610)	24 (610)	16 (407)	22.69 (576)	22.69 (576)	25.63 (651)	25.63 (651)	14.06 (357)	21.38 (543)	21.38 (543)	71 (32.2)
USF242420-JB	24 (610)	24 (610)	20 (508)	22.69 (576)	22.69 (576)	25.63 (651)	25.63 (651)	18.06 (458)	21.38 (543)	21.38 (543)	78 (35.4)
USF302008-JB	30 (762)	20 (508)	8 (203)	22.69 (576)	22.69 (576)	25.63 (651)	25.63 (651)	6.06 (154)	26.00 (660)	17.38 (441)	59 (26.8)
USF302010-JB	30 (762)	20 (508)	10 (254)	18.69 (475)	28.69 (729)	21.63 (549)	31.63 (803)	8.06 (205)	26.00 (660)	17.38 (441)	61 (27.7)
USF302408-JB	30 (762)	24 (610)	8 (203)	18.69 (475)	28.69 (729)	21.63 (549)	31.63 (803)	6.06 (154)	26.00 (660)	21.38 (543)	56 (25.4)
USF302410-JB	30 (762)	24 (610)	10 (254)	22.69 (576)	28.69 (729)	25.63 (651)	31.63 (803)	8.06 (205)	26.00 (660)	21.38 (543)	63 (28.6)
USF302412-JB	30 (762)	24 (610)	12 (305)	22.69 (576)	28.69 (729)	25.63 (651)	31.63 (803)	10.06 (255)	26.00 (660)	21.38 (543)	64 (29)
USF302420-JB	30 (762)	24 (610)	20 (508)	22.69 (576)	28.69 (729)	25.63 (651)	31.63 (803)	18.06 (458)	26.00 (660)	21.38 (543)	99 (45)
USF303008-JB	30 (762)	30 (762)	8 (203)	22.69 (576)	28.69 (729)	25.63 (651)	31.63 (803)	6.06 (154)	26.00 (660)	26.00 (660)	68 (30.8)
USF303010-JB	30 (762)	30 (762)	10 (254)	28.69 (729)	28.69 (729)	31.63 (803)	31.63 (803)	8.06 (205)	26.00 (660)	26.00 (660)	72 (32.7)
USF303012-JB	30 (762)	30 (762)	12 (305)	28.69 (729)	28.69 (729)	31.63 (803)	31.63 (803)	10.06 (255)	26.00 (660)	26.00 (660)	89 (40.4)
USF362408-JB	36 (915)	24 (610)	8 (203)	34.69 (881)	28.69 (729)	37.63 (956)	31.63 (803)	6.06 (154)	33.00 (838)	21.38 (543)	66 (30)
USF362410-JB	36 (915)	24 (610)	10 (254)	9.79 (249)	35.20 (894)	8.15 (207)	27.63 (702)	8.06 (205)	33.00 (838)	21.38 (543)	70 (31.8)

All dimension in. (mm)



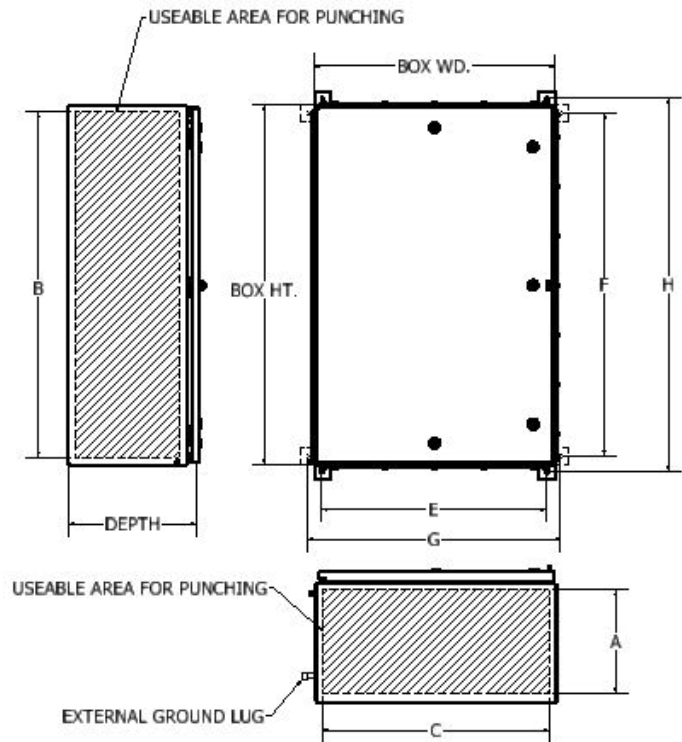
USF SLOPE FLANGE ENCLOSURE



CATALOG NUMBER	"A" BLANK WALL AREA	"B" BLANK WALL AREA	"C" BLANK WALL AREA	(W) MAX. POWER
USF121206-JB	5.74 (146)	10.93 (277)	10.93 (277)	15.0
USF161206-JB	5.74 (146)	14.93 (379)	10.93 (277)	17.0
USF161208-JB	7.74 (196)	14.93 (379)	10.93 (277)	20.6
USF161210-JB	9.74 (247)	14.93 (379)	10.93 (277)	23.5
USF161606-JB	5.74 (146)	14.93 (379)	14.93 (379)	19.0
USF161608-JB	7.74 (196)	14.93 (379)	14.93 (379)	20.0
USF161610-JB	9.74 (247)	14.93 (379)	14.93 (379)	25.0
USF201606-JB	5.74 (146)	18.93 (480)	14.93 (379)	21.0
USF201608-JB	7.74 (196)	18.93 (480)	14.93 (379)	23.0
USF201610-JB	9.74 (247)	18.93 (480)	14.93 (379)	26.0
USF202006-JB	5.74 (146)	18.93 (480)	18.93 (480)	24.3
USF202008-JB	7.74 (196)	18.93 (480)	18.93 (480)	26.0
USF202010-JB	9.74 (247)	18.93 (480)	18.93 (480)	30.0
USF202012-JB	11.74 (298)	18.93 (480)	18.93 (480)	36.0
USF241606-JB	5.74 (146)	22.93 (582)	14.93 (379)	35.0
USF241608-JB	7.74 (196)	22.93 (582)	14.93 (379)	36.0
USF241610-JB	9.74 (247)	22.93 (582)	14.93 (379)	31.0
USF242006-JB	5.74 (146)	22.93 (582)	18.93 (480)	24.5
USF242008-JB	7.74 (196)	22.93 (582)	18.93 (480)	31.5
USF242010-JB	9.74 (247)	22.93 (582)	18.93 (480)	33.6
USF242012-JB	11.74 (298)	22.93 (582)	18.93 (480)	36.0
USF242406-JB	5.74 (146)	22.93 (582)	22.93 (582)	25.8
USF242408-JB	7.74 (196)	22.93 (582)	22.93 (582)	34.0
USF242410-JB	9.74 (247)	22.93 (582)	22.93 (582)	34.0
USF242412-JB	11.74 (298)	22.93 (582)	22.93 (582)	38.0
USF242416-JB	15.74 (400)	22.93 (582)	22.93 (582)	42.0
USF242420-JB	19.74 (501)	22.93 (582)	22.93 (582)	57.3
USF302008-JB	7.74 (196)	28.93 (735)	18.93 (480)	36.5
USF302010-JB	9.74 (247)	28.93 (735)	18.93 (480)	36.0
USF302408-JB	7.74 (196)	28.93 (735)	22.93 (582)	39.0
USF302410-JB	9.74 (247)	28.93 (735)	22.93 (582)	38.0
USF302412-JB	11.74 (298)	28.93 (735)	22.93 (582)	40.0
USF302420-JB	19.74 (501)	28.93 (735)	22.93 (582)	57.3
USF303008-JB	7.74 (196)	28.93 (735)	28.93 (735)	43.0
USF303010-JB	9.74 (247)	28.93 (735)	28.93 (735)	40.0
USF303012-JB	11.74 (298)	28.93 (735)	28.93 (735)	46.0
USF362408-JB	7.74 (196)	34.93 (887)	22.93 (582)	44.0
USF362410-JB	9.74 (247)	34.93 (887)	22.93 (582)	40.0

All dimension in. (mm)

USF MAXIMUM CONDUIT / GLAND OPENINGS					
W/O GLAND PLATE			W/ GLAND PLATE		
BOX DEPTH	MAX NPT	MAX METRIC	BOX DEPTH	MAX NPT	MAX METRIC
6	3-1/2"	M100	6	2-1/2"	M75
8	4"	M100	8	4"	M100
10	4"	M100	10	4"	M100
12	4"	M100	12	4"	M100
16	4"	M100	16	4"	M100
20	4"	M100	20	4"	M100



See enclosure modification page for conduit / gland holes sizes and spacing.



USF SLOPE FLANGE ENCLOSURES



USF SERIES INTERNAL MOUNTING PAN					
CATALOG NO.	A	B	C	D	THICKNESS
USF1212P	9.00 (229)	9.00 (229)	7.25 (184)	7.25 (184)	.13 (3.3)
USF1612P	9.00 (229)	13.00 (330)	7.25 (184)	11.25 (286)	.13 (3.3)
USF1616P	13.00 (330)	13.00 (330)	11.25 (286)	11.25 (286)	.13 (3.3)
USF2012P	9.00 (229)	17.00 (432)	7.25 (184)	15.25 (387)	.13 (3.3)
USF2016P	13.00 (330)	17.00 (432)	11.25 (286)	15.25 (387)	.13 (3.3)
USF2416P	13.00 (330)	21.00 (533)	11.25 (286)	19.25 (489)	.13 (3.3)
USF2420P	17.00 (432)	21.00 (533)	15.25 (387)	19.25 (489)	.13 (3.3)
USF2424P	21.00 (533)	21.00 (533)	19.25 (489)	19.25 (489)	.13 (3.3)
USF3020P	17.00 (432)	25.63 (651)	15.25 (387)	23.88 (606)	.13 (3.3)
USF3024P	21.00 (533)	25.63 (651)	19.25 (489)	23.88 (606)	.13 (3.3)
USF3030P	25.63 (651)	25.63 (651)	23.88 (606)	23.88 (606)	.13 (3.3)
USF3624P	21.00 (533)	32.63 (829)	19.25 (489)	30.88 (784)	.19 (4.8)

Internal mounting pans are made from high strength aluminum alloy. The aluminum alloy is corrosion resistance and can be drilled and tapped in the field for ease of installation of components.

Pans come standard with mounting hardware.

All dimension in. (mm)

