

ATEX ENCLOSURES : EJB WITH FIXED WINDOW

MECHANICAL CHARACTERISTICS :

Body and lid : Low copper aluminum alloy

Hinges : Cast iron (except EJB-01), stainless steel for new models

Cover handle : Black painted steel for EJB-6, 6B and EJB-7, 7B

Seal : acid, hydrocarbon and high temperature resistant silicone, located between the body and the lid

Certification label : Adhesive label located inside an empty enclosure; aluminum label riveted on the lid other versions

Bolts and screws : Stainless steel

Ground screw : Stainless steel M6. Inside and outside the body and on the lid with anti-rotation brackets

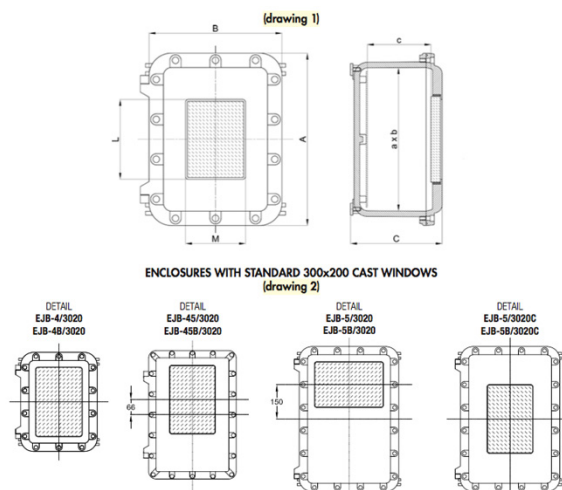
Mounting brackets : Electro-galvanized steel (cast aluminum legs for AQS-1)

Coating : RAL 7035 polyester coating (light gray)

Corrosion resistance : The STANDARD of the aluminum alloy used by Cortem has successfully passed the tests required by EN 60068-2-30 (hot / humid cycles) and EN 60068-2-11 (salt spray tests)



DIMENSIONAL PLAN OF RECTANGULAR WINDOW SPEAKERS :



Code	Outside dimensions			Internal dimensions			Window size		Positioning of window	Weight kg	
	A	B	C	a	b	c	M	L			
Enclosures with standard machined windows											
EJB-1/1508	304	204	218	240	140	149	80	150	Central as illustrated in "drawing 1". Non-standard window positioning or dimensions on request		
EJB-2/2508	424	224	218	360	160	149	80	250			
EJB-3/2015	364	284	278	300	220	209	150	200			
EJB-3B/2015	364	284	218	300	220	149	150	200			
EJB-4/3020	432	332	299	360	260	229	200	300			
EJB-4B/3020	432	332	229	360	260	159	200	300			
EJB-45/3020SP	560	380	298	490	305	229	200	300			
EJB-45B/3020SP	560	380	298	490	305	184	200	300			
EJB-5/3020SP	632	432	341	560	360	271	200	300			
EJB-5B/3020SP	632	432	271	560	360	201	200	300			
EJB-503/3020SP	632	432	397	560	360	327	200	300			
EJB-55/3020	710	510	356	630	430	270	200	300			
EJB-55B/3020	710	510	256	630	430	170	200	300			
EJB-6/3020	870	650	480	760	540	348	200	300			
EJB-6B/3020	870	650	380	760	540	248	200	300			
EJB-7/2010	1000	700	500	890	590	340	100	200		Central (ribbed lid)	
EJB-7B/2010	1000	700	400	890	590	240	100	200			
Enclosures with standard cast windows											
EJB-4/3020	432	332	229	360	260	159	200	300	Central as illustrated in "drawing 2".		
EJB-4B/3020	432	332	229	360	260	159	200	300			
EJB-45/3020	560	380	298	490	305	229	200	300			
EJB-45B/3020	560	380	248	490	305	179	200	300			
EJB-5/3020	632	432	341	560	360	271	200	300			
EJB-5B/3020	632	432	271	560	360	201	200	300			
EJB-5/3020C	632	432	341	560	360	271	200	300			
EJB-5B/3020C	632	432	271	560	360	201	200	300			

APPLICATION SECTORS :



Oil refineries



Chemical and petrochemical plants



Onshore plants



Offshore plants



Oil loading/offloading wharfs



Low temperatures



Presence of hydrogen



100% Cortem product



CERTIFICATION DATA OF ENVELOPES OF CONTROL, MONITORING AND SIGNALING UNITS :

Classification:	Group II	Category 2GD		
Installation: EN 60079-14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)		
Marking:	CE 0722 Ex II2GD - Ex db IIB+H ₂ T... Gb - Ex tb IIIC T...°C Db - IP66/67			
Certification:	ATEX CESA 01 ATEX 027X			
	IEC Ex CES 16.0012X	All IEC Ex certification data can be downloaded from www.cortemgroup.com		
	TR CU AVAILABLE	All TR CU certification data can be downloaded from www.cortemgroup.com		
	INMETRO DNV 14.0140	All INMETRO certification data can be downloaded from www.cortemgroup.com		
Standards:	CENELEC EN 60079-0: 2012, EN 60079-1: 2014, EN 60079-31: 2014, EN 60529: 1991 and EUROPEAN DIRECTIVE 2014/34/UE			
Ambient Temp.:	-20°C +40°C	With temperature class T6 and maximum surface temperature T85°C.		
	-20°C +55°C	With temperature class T5 and maximum surface temperature T100°C.		
	-60°C on request. (Use indicator light series M-0457AL, M-0457AL/3, M-0457IN or M-0457IN/3)			
Degree of protection:	IP66/67	For enclosures without control and signalling devices		
	IP66	For enclosures with Cortem M-0...-series control gear		

ACCESSORIES AVAILABLE ON REQUEST: :

Anti-condensation coating RAL 2004 (pure orange)

External polyester coating of different colors (specify RAL number)

Breather Code ECD-210S

Drain valve Code ECD-210S

Round or rectangular windows on the cover (see enclosures with windows for inspection and reading instruments)

Hinges for closures EJB-01 Code K-0351

Internal mounting plate : 2.5 mm thick aluminum (code BFE -...).

Electrogalvanised steel 2.5 mm thick (code BFE -... AC).

Thread Options:

- NPT ANSI B1.20.1 threads
- Thread GAS UNI ISO 7-1
- Metric threads ISO 261/965

