



ELECTRICAL EQUIPMENT FOR EXPLOSIVE ATMOSPHERES

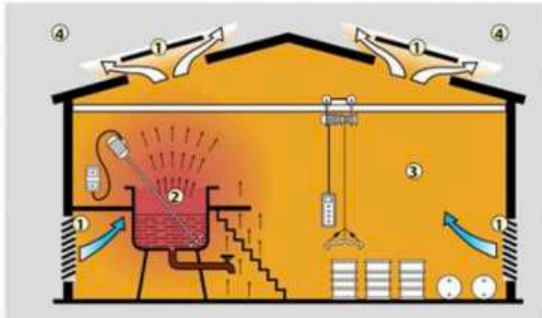
ILLUSTRATION OF GAS AND VAPOR ENVIROMENTS

ZONE 0

ZONE 1

ZONE 2

SAFE ZONE

**Example 1:**

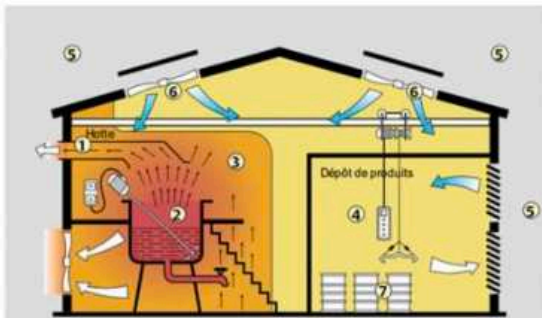
Conditions:

1. Manual ventilation
2. Zone 0
3. Zone 1
4. Safe zone

The mixing tank is in the open air

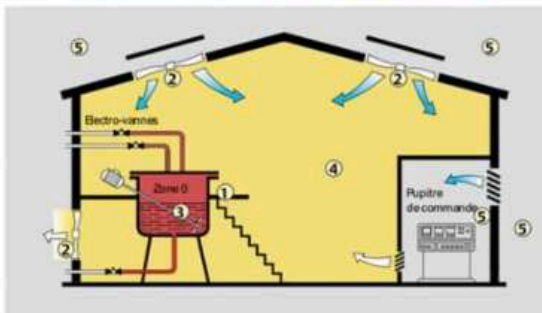
The room is not ventilated mechanically

The products are always present in the workshop

**Example 2 :**

Conditions:

1. A hood has been fitted above the tank
2. Zone 0
3. Zone 1
4. Zone 2
5. Safe zone
6. Mechanical ventilation
7. The products in stock are separated from the rest of the workshop

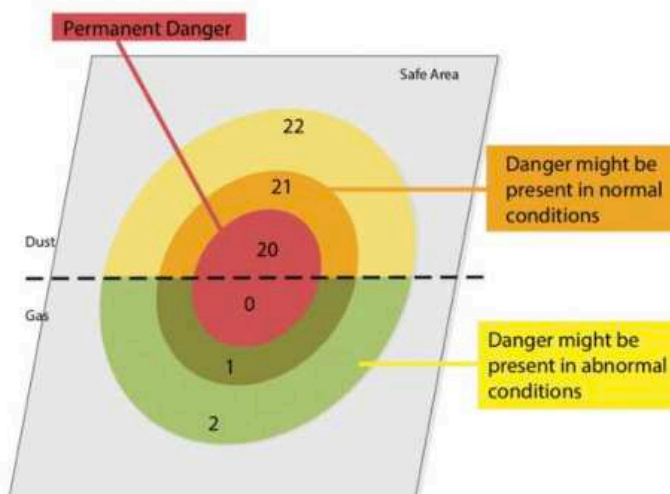
**Example 2 :**

Conditions:

1. A hood has been fitted above the tank
2. Zone 0
3. Zone 1
4. Zone 2
5. Safe zone
6. Mechanical ventilation
7. The products in stock are separated from the rest of the workshop

ZONE CLASSIFICATION

Zone classification is based on the presence frequency of the hazardous atmosphere :

**ZONE 0 (gas) / 20 (dust)**

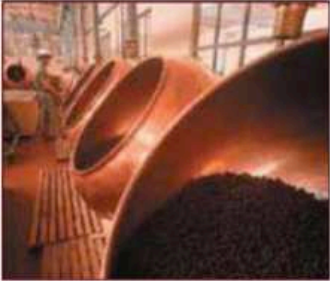
A place in which an explosive atmosphere either [consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist] or [in the form of a cloud of dust in air] is present continuously or for long periods or frequently.

ZONE 1 (gas) / 21 (dust)

A place in which an explosive atmosphere either [consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist] or [in the form of a cloud of dust in air] is likely to occur in normal operation occasionally.

ZONE 2 (gas) / 22 (dust)

A place in which an explosive atmosphere either [consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist] or [in the form of a cloud of dust in air] is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

INDUSTRIES AFFECTED	TYPES OF DUST	APPLICATIONS
1 - FOOD DUST		
Silos, flour milling, baking, agri-foods, etc.	Cereals, starch, sugar, flour, milk, chocolate, colorings, etc.	Storage, transportation (mechanical, on road vehicles), milling, crushing, filling, etc.
		
2 - PLANT DUST		
Wood, manufacture of furniture and corks. Wood silos, waste sorting, textiles, etc.	Wood, bark, cork, cotton, paper, etc.	Storage, transportation, processing
		
3 - METAL DUST		
Surface treatment, shot blasting, sandblasting, etc.	Aluminum, magnesium, ferro alloys, etc.	Processing
		
4 - DUST FROM INDUSTRIAL PROCESSING		
Processing of plastics, tires, paints, etc.	Plastics, powder coatings, fertilizers, rubber, elastomers, resins and synthetic adhesives, etc.	Storage, transportation, processing
		

- This list is not exhaustive



INDUSTRIES AFFECTED	TYPE OF HAZARD / PRESENCE OF GAS	APPLICATIONS
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SOLVENT VAPORS (TYPE IIB)

Automotive, mechanical, boiler construction, plastic parts or parts with a plastic appearance



Liquid paint, varnish, bonding, stripping, etc.



Paint booths, processing.



PROPELLANT GAS

Processing of aerosol dispensers



Lubricants, perfumes, paint, surface treatment, etc.



Filling processes

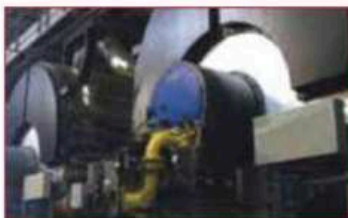


HANDLING AND STORAGE OF DANGEROUS PRODUCTS

Automotive outsourcing, earthenware, glass, high-power heating (ovens), etc.



Heating processes, hydrogen furnaces

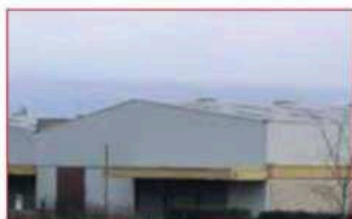


Oven proximity, control unit, processing, etc



HANDLING AND STORAGE OF DANGEROUS PRODUCTS

All-industry handling with forklift (warehouse storage)



Butane, propane, etc.

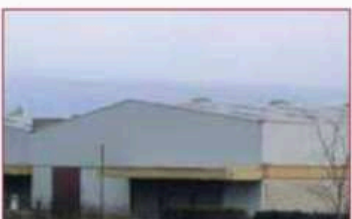


Battery charging area for trucks, storage areas, etc.



FOSSIL FUELS

Petrochemicals, oil exploration, production, refining and storage



Oil, petrol, methane, etc.



Processing, storage, transportation, etc.





ILLUSTRATION OF GAS AND VAPOR ENVIROMENTS

VIMEX TARGET MATERIAL

Vimex sells explosion-proof electrical material for hazardous and safe areas, for high or low temperatures areas, underground stations and galleries:

1. PRODUCTS FOR GAS AND DUST APPLICATION (HAZARDOUS AREA)

• LIGHTING MATERIAL:

- LED lightings (linear, floodlight, wellglass; in GRP, aluminium)
- fluorescent / HPS / MH lightings (linear, floodlight, wellglass; in GRP, aluminium)

• POWER AND BULK MATERIAL

- socket and plug (in GRP, stainless steel)
- local motor control station (in GRP)
- junction box (in GRP, stainless steel)
- cable glands and fittings (adaptor, reducers, blanking plugs; in nickel plated brass, aluminium or stainless steel)
- panelboards and instrumentation junction box (in GRP, aluminium, stainless steel)

2. BULK MATERIAL

- fixing accessories for lighting fixtures
- poles and towers (i.e. floodlight towers, mast towers) in HDG steel
- rigid conduit for electrical cables in aluminium, HDG steel
- flexible conduit for electrical cables
- cable trays in stainless steel, galvanized steel
- LED AWL kit and obstruction lights
- low tension transformers
- low tension distribution boards for safe area
- earthing material
- UPS chloride

**LED LUMINAIRES
APPLETON-ATX
ATEX & IEC EX CERTIFIED FOR ZONES 1 & 2 , 21 & 22**



**SIMPLE INSTALLATION
MINIMAL MAINTENANCE
ROBUST AND RELIABLE FOR ANY
HARSH AND HAZARDOUS LOCATIONS**

AN UNSURPASSED PERFORMANCE LEVEL !



Gas area – G : zone 1 → CE Ex II 2 G
 zone 2 → CE Ex II 3 G

Dust area – D : zone 21 → CE Ex II 2 D
 zone 22 → CE Ex II 3 D

FELED SERIES (ZONES 1 & 2 - 21 & 22)

LED

FELED SERIES NON-METALLIC LED LUMINAIRES - STANDARD

LED LUMINAIRES Ex db eb mb IIC With Diffused lens	FOR UNARMORED CABLE M25 ENTRIES	FOR ARMORED CABLE M20 ENTRIES
2350 lm – 100/240 V – 50/60Hz	FELED2BDSND	FELED2BDSAD
3800 lm – 100/240 V – 50/60Hz	FELED3BDSND	FELED3BDSAD
4025 lm – 100/240 V – 50/60Hz	FELED5BDSND	FELED5BDSAD
7375 lm – 100/240 V – 50/60Hz	FELED7BDSND	FELED7BDSAD

LED EMERGENCY LUMINAIRES - 3 HOURS EMERGENCY

LED LUMINAIRES Ex db eb mb IIC With Diffused lens	FOR UNARMORED CABLE M25 ENTRIES	FOR ARMORED CABLE M20 ENTRIES
4025lm – 100/240 V – 50/60Hz	FELED5BDSNDE	FELED5BDSADE

NEW



LLEDA SERIES (ZONES 2 - 21 & 22)

LED

LED LUMINAIRES Ex na IIC	FOR UNARMORED CABLE M25 ENTRIES	FOR ARMORED CABLE M20 ENTRIES
2200 lm – 120/277 V – 50/60 Hz	LLEDAA3L2BUZ2	LLEDAA2L2BUZ2
4400 lm – 120/277 V – 50/60 Hz	LLEDAA3L5BUZ2	LLEDAA2L5BUZ2
7800 lm – 120/277 V – 50/60 Hz	LLEDAA3L7BUZ2	LLEDAA2L7BUZ2



FDLED SERIES (ZONES 1 & 2 - 21 & 22)

LED

LED LUMINAIRES Ex na IIC	CATALOG NUMBERS
400 lm – 6W – 230 V – 50 Hz – 2x M20 Cable Entries	FDLED04AD2
2400 lm – 23W – 110/254 V – 50/60 Hz – 2x M20 Cable Entries	FDLED25BU2
4725 lm – 46W – 110/254 V – 50/60 Hz – 2x M20 Cable Entries	FDLED50BU2

NEW



AMLED SERIES (ZONES 2 - 21 & 22)

LED

LED FLOODLIGHTS Ex na IIC	CATALOG NUMBERS
8300 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	AMLED67YBU1
13200 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	AMLED77YBU1
19000 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	AMLED87YBU1



MLEDNA SERIES (ZONES 2 - 21 & 22)

LED

2 PART NUMBERS TO ORDER: BALLAST BODY + MOUNTING HOOD

BALLAST BODIES	CATALOG NUMBERS
2300 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	MLEDNA70P5BU
4850 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	MLEDNA15P5BU
6076 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	MLEDNA17P5BU
9455 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	MLEDNA25P5BU
MOUNTING HOODS	CATALOG NUMBERS
Ceiling – M20 entries	KPCM20
Wall – M20 entries	KPWBM20
25° Stanchion – NPT 1 1/2 hub	KPS150
90° Stanchion – NPT 1 1/2 hub	KPST 150
3/4" Ring Bolt	Z00927



FE SERIES (ZONES 1 & 2 - 21 & 22)



FLUORESCENT LIGHTING CLASS Ex de	CATALOG NUMBERS (NON-ARMORED CABLE) 1 M25 CABLE GLAND SUPPLIED	CATALOG NUMBERS (ARMORED CABLE)
2 x 18W – 110/254 V – 50/60 Hz	FEB218BUSN	FEB218BUSA
2 x 36W – 110/254 V – 50/60 Hz	FEB236BUSN	FEB236BUSA
2 x 58W – 110/254 V – 50/60 Hz	FEB258BUSN	FEB258BUSA

FN SERIES (ZONES 2 - 21 & 22)



FLUORESCENT LIGHTING CLASS Ex nR nA	CATALOG NUMBERS (NON-ARMORED CABLE) 1 M25 CABLE GLAND SUPPLIED	CATALOG NUMBERS (ARMORED CABLE)
2 x 18W – 220/240 V – 50/60 Hz	FNB218BKSNN	FNB218BKSAN
2 x 36W – 220/240 V – 50/60 Hz	FNB236BKSNN	FNB236BKSAN
2 x 58W – 220/240 V – 50/60 Hz	FNB258BKSNN	FNB258BKSAN

FD SERIES (ZONES 1 & 2 - 21 & 22)



FLUORESCENT LIGHTING EXPLOSIONPROOF CLASS Ex d	CATALOG NUMBERS
2 x 18W – 230 V – 50 Hz – 2 M20 Cable Entries	FDB218XCM
2 x 36W – 230 V – 50 Hz – 2 M20 Cable Entries	FDB236XCM
2 x 58W – 230 V – 50 Hz – 2 M20 Cable Entries	FDB258XCM

PB SERIES (ZONES 1 & 2 - 21 & 22)



FLOODLIGHTS EXPLOSIONPROOF CLASS Ex de IIB HIGH PRESSURE SODIUM SUPPLIED WITH HINGED BRACKET	CATALOG NUMBERS
150 W – 230/240 V – 50 Hz – 1 cable gland M20 supplied	PBAL15XJB
250 W – 230/240 V – 50 Hz – 1 cable gland M20 supplied	PBAL25XJB
400 W – 230/240 V – 50 Hz – 1 cable gland M20 supplied	PBAL40XJB

PN SERIES (ZONES 2 - 21 & 22)



FLOODLIGHT EXPLOSIONPROOF CLASS Ex nR HIGH PRESSURE SODIUM 2xM20 ENTRIES	CATALOG NUMBERS (GLASS DIFFUSER)	CATALOG NUMBERS (POLYCARBONATE DIFFUSER)
150 W – 230/240 V – 50 Hz	PNM1L15AGXJ	PNM1L15APXJ
250 W – 230/240 V – 50 Hz	PNM1L25AGXJ	PNM1L25APXJ
400 W – 230/240 V – 50 Hz	PNM1L40AGXJ	PNL1L40APXJ

HLD SERIES (ZONES 1 & 2 - 21 & 22)



PORTABLE LITHING Ex d IIC	CATALOG NUMBERS
75W maximum for incandescent lamp	HLD7502B
55W halogen 12 V ca/V cc (lamp supplied)	HLD5501B
70W halogen 24 V ca/V cc (lamp supplied)	HLD7002B

HBD SERIES (ZONES 1 & 2 - 21 & 22)



BULKHEAD Ex d IIC	CATALOG NUMBERS
Rond bulkhead - Incandescent 200W maximum , Compact Fuorescent 23W or Mixed 160W maximum	HBDR
Oval bulkhead - Incandescent 100W or Compact uorescent 15W Supplied with protective guard	HBDO

LDP SERIES (ZONES 1 & 2 - 21 & 22)



WELLGLASS Ex d IIC	CATALOG NUMBERS
E27 lampholder Incandescent 200W maximum , Compact uorescent 23W, Mixed 160W maximum, Halogen 150W	LDPM20

DEMULED SERIES (ZONES 1 & 2 - 21 & 22)



LED ESCAPE LIGHTING SYSTEM Ex d IIC	CATALOG NUMBERS
45 lm - 120/277 V - 50/60 Hz - M20 - SATI Type	DEMULEDE042
45 lm - 120/277 V - 50/60 Hz - M20 - Addressable Type	DEMULEDE042A
Label - EMERGENCY EXIT	094916

FDBAES SERIES (ZONES 1 & 2 - 21 & 22)



LED EMERGENCY LIGHTING SYSTEM Ex d IIC	CATALOG NUMBERS
55 lm - 230 V - 50/60 Hz - M20 - Escape Route Lighting	FDBAESLEDEM
540 lm - 230 V - 50/60 Hz - M20 - Space Lighting	FDBAESLEDSL
Label - EMERGENCY EXIT	094916

FNES SERIES (ZONES 2 - 21 & 22)



LED EMERGENCY LIGHTING SYSTEM Ex nA	CATALOG NUMBERS
55 lm - 230 V - 50/60 Hz - M20 - Escape Route Lighting	FNESLEDEU
540 lm - 230 V - 50/60 Hz - M20 - Space Lighting	FNESLEDSL
Label - EMERGENCY EXIT	094916

TCH SERIES (ZONES 1 & 2 - 21 & 22)



FLASHLIGHT	CATALOG NUMBERS
Halogen 2,8V - 0,5A	TCH 12H
2 R20 or LR20 Batteries, Not Supplied	

UPR16A & 32A SERIES (ZONES 1 & 2 - 21 & 22)



Ex de- 1 cable gland supplied	SOCKET CATALOG NUMBERS	PLUG CATALOG NUMBERS
2P+E - 16A - 100/130 V - 50/60 Hz	UPR316RY4	UPR316PY4
2P+E - 16A - 200/250 V - 50/60 Hz	UPR316RB6	UPR316PB6
3P+E - 16A - 380/415 V - 50/60 Hz	UPR416RR6	UPR416PR6
3P+N+E - 16A - 380/415 V - 50/60 Hz	UPR516RR6	UPR516PR6
3P+E - 32A - 380/415 V - 50/60 Hz	UPR432RR6	UPR432PR6
3P+N+E - 32A - 380/415V - 50/60 Hz	UPR532RR6	UPR532PR6

PRE 16A & 32A SERIES (ZONES 1 & 2 - 21 & 22)



Ex de- 1 cable gland supplied	SOCKET CATALOG NUMBERS	PLUG CATALOG NUMBERS
2P+E - 16A - 200/250 V - 50/60 Hz	PRE316RB	PRE316PB
2P+E - 16A - 200/250 V - 50/60 Hz	PRE316MB (Mobile socket)	PRE316PB
3P+E - 16A - 380/415 V - 50/60 Hz	PRE416RR	PRE416PR
3P+E - 32A - 380/415 V - 50/60 Hz	PRE432RR	PRE432PR

PRE 63A SERIES (ZONES 1 & 2 - 21 & 22)



Ex de- 1 cable gland supplied	SOCKET CATALOG NUMBERS	PLUG CATALOG NUMBERS
3P+E - 63A - 380/415 V - 50/60 Hz	PRE463RRU5	PRE463PR
3P+N+E - 63A - 380/415 V - 50/60 Hz	PRE563RRU5	PRE563PR
3P+E - 63A - 480/500 V - 50/60 Hz	PRE463RNU5	PRE463PN

PRE 125A SERIES (ZONES 1 & 2 - 21 & 22)



Ex de- 1 cable gland supplied	SOCKET CATALOG NUMBERS	PLUG CATALOG NUMBERS
3P+E - 125A - 380/415 V - 50/60 Hz	PRE412RRU6	PRE412PR
3P+N+E - 125A - 380/415 V - 50/60 Hz	PRE512RRU6	PRE512PR
3P+E - 125A - 480/500 V - 50/60 Hz	PRE412RNU6	PRE412PN

UNICODE 2 SERIES (ZONES 1 & 2 - 21 & 22) - CONTROL STATION Ex de IIC



CONTROL STATION - POLYAMIDE

CATALOG NUMBERS

Emergency Stop (1 "NO" + 1 "NC") – 2 x M20
On/O ("NO + NC" + "NO + NC") – 2 x M20

U41W2D3
U41W2A3A3



CONTROL STATION - POLYAMIDE

CATALOG NUMBERS

Emergency Stop (1 "NO" + 1 "NC") – 2 x M20
Emergency Stop (1 "NO" + 1 "NC") – 2 x M20

U21W2D3
U22W2A3A3



CONTROL STATION - STAINLESS STEEL 316L

CATALOG NUMBERS

Emergency Stop (1 "NO" + 1 "NC") – 2 x M20
Emergency Stop (1 "NO" + 1 "NC") – 2 x M20

U61W2D3
U62W2A5A9



CONTROL STATION - ALUMINIUM

CATALOG NUMBERS

Emergency Stop (1 "NO" + 1 "NC") – 2 x M20
Emergency Stop (1 "NO" + 1 "NC") – 2 x M20

U81W2D3
U82W2A5A9

SWE SERIES (ZONES 1 & 2 - 21 & 22) - SWITCH Ex de IIC



Ex de 16A POLYAMIDE SWITCH (2 M20 CABLE GLANDS SUPPLIED)

CATALOG NUMBERS

2 Poles 16A, 2 M20 Cable Entries
Change over, 2 M20 Cable Entries

SWE016S201AG
SWE016C101AG



Ex de 16A POLYESTER SWITCH (2 M20 CABLE GLANDS SUPPLIED)

CATALOG NUMBERS

2 poles 20A, 2 M20 Cable Entries
3 poles 20A, 2 M20 Cable Entries
4 poles 20A, 2 M20 Cable Entries

SWE020S202AG
SWE020S301AG
SWE020S401AG

SWD SERIES (ZONES 1 & 2 - 21 & 22) - SWITCH Ex d IIC



Ex d IIC 16A ALUMINIUM SWITCH

CATALOG NUMBERS

2 poles, 2 M20 Cable Entries
3 poles, 2 M20 Cable Entries
4 poles, 2 M20 Cable Entries
Change over, 2 M20 Cable Entries

SWD016S200A
SWD016S300A
SWD016S400A
SWD016C100A

JBDR SERIES (ZONES 1 & 2 - 21 & 22) - JUNCTION BOX IN ALUMINIUM Ex d IIC



JUNCTION BOX	CATALOG NUMBERS M20 ENTRIES	CATALOG NUMBERS M25 ENTRIES
2x entries	JBDR20	JBDR25
3x entries	JBDR30	JBDR35
4x entries	JBDR40	JBDR45
Pillar terminal block (4 terminals capacity 4 x 4 mm ² or 2 x 6 mm ²)	TBP44	TBP44

JBEL SERIES (ZONES 1 & 2 - 21 & 22) - JUNCTION BOX IN POLYCARBONATE Ex e IIC



JUNCTION BOX 2,5/4 mm ² - 660 V	CATALOG NUMBERS
4 x Integrated cable glands for unarmored cable - 8 to 16 mm	JBEL1N4P16G
4 x M20 entries with earth brass continuity device	JBEL1A4M20



JUNCTION BOX 6/10 mm ² - 690 V	CATALOG NUMBERS
3x M20 entries for unarmoured cable with 3 cable glands	JBEL2N3M20G
4x M20 entries for unarmoured cable, with 4 cable glands	JBEL2N4M20G
3x M25 entries for unarmoured cable, with 3 cable glands	JBEL2N3M25G
4x M25 entries for unarmoured cable, with 4 cable glands	JBEL2N4M25G
4x M20 entries with earth brass continuity, with 2x M20 plugs	JBEL2A4M20
4x M25 entries with earth brass continuity, with 2x M25 plugs	JBEL2A4M25

JBEP SERIES (ZONES 1 & 2 - 21 & 22) - JUNCTION BOX IN POLYESTER Ex eb IIC



JBEP080806AE03



JUNCTION BOX EQUIPPED WITH 4 SCREW TERMINALS AND 2 EARTH TERMINALS CONFIGURATION: P + N (1PE + 2L + 2N + 1PE)	CATALOG NUMBERS
3x M 20 with earth continuity sheet	JBEP080806AE 03
3x M20 with cable glands for unarmored cable (diam 6.5 to 14.5mm)	JBEP080806NE03



JUNCTION BOX EQUIPPED WITH 4 SCREW TERMINALS AND 2 EARTH TERMINALS CONFIGURATION: P + N (1PE + 1 + 2 + 3 + 4 + 1PE)	CATALOG NUMBERS
2x M 20 with earth continuity sheet	JBEP080806AE 22



JUNCTION BOX EQUIPPED WITH 6 SCREW TERMINALS AND 2 EARTH TERMINALS CONFIGURATION: P + N (1PE + 1 + 2 + 3 + 4 + 5 + 6 + 1PE)	CATALOG NUMBERS
4x M 20 with earth continuity sheet	JBEP080806AE 24



JUNCTION BOX EQUIPPED WITH 4 SCREW TERMINALS AND 2 EARTH TERMINALS CONFIGURATION: P + N (1PE + 2L + 2N + 1PE)	CATALOG NUMBERS
4x M 20 with earth continuity sheet	JBEP121209AE 47
4x M25 with cable glands for unarmored cable (diam 8 à 17mm)	JBEP121209NE48



JUNCTION BOX EQUIPPED WITH 8 SCREW TERMINALS AND 3 EARTH TERMINALS CONFIGURATION: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + 1PE)	CATALOG NUMBERS
4x M 20 with earth continuity sheet	JBEP171709AE 10
4x M25 with cable glands for unarmored cable (diam 8 à 17mm)	JBEP171709NE10



JBEP121209AE47



JUNCTION BOX EMPTY & UNDRILLED TO BE USED WITH Ex CERTIFIED TERMINALS Ex (NOT SUPPLIED)	CATALOG NUMBERS
Junction box 200x215x150mm (rail not supplied)	JBEP2021150
Junction box 250x320x150mm (rail not supplied)	JBEP2532150



CABLE GLANDS

EEXe SERIES (ZONES 1 & 2 - 21 & 22)



CABLE GLAND (POLYAMIDE)	CATALOG NUMBERS
M 16	095756
M 20	095605
M 25	095606
M 32	095757

A2F SERIES (NON-ARMORED CABLE) (ZONES 1 & 2 - 21 & 22)



CABLE GLAND (NICKEL PLATED BRASS)	CATALOG NUMBERS
M 20S	20SA2F5
M 20	20A2F5
M 25	25A2F5
M 32	32A2F5

E1FX SERIES (ARMORED CABLE) (ZONES 1 & 2 - 21 & 22)



CABLE GLAND (NICKEL PLATED BRASS)	CATALOG NUMBERS
M 20S	20SE1FX5
M 20	20E1FX5
M 25	25E1FX5
M 32	32E1FX5

T3 SERIES (ARMORED CABLE) (ZONES 1 & 2 - 21 & 22)



CABLE GLAND (NICKEL PLATED BRASS)	CATALOG NUMBERS
M 20S	20ST 35
M 20	20T 35
M 25	25T 35
M 32	32T 35

(ZONES 1 & 2 - 21 & 22)



Stainless Steel Junction Box 10 kV Ex e



Instrumentation Junction box Ex ia



Ex d Panelboard with 8 Branch Circuit Breakers Coupled with Ex e Polyester Junction Box



Ex d Control Panel



Distribution Panelboard Ex de - PlexPowerTM in Glass Reinforced Polyester IIB+H2 or IIC



Distribution Panelboard Ex de - PlexPowerTM in Stainless Steel IIB+H2 or IIC



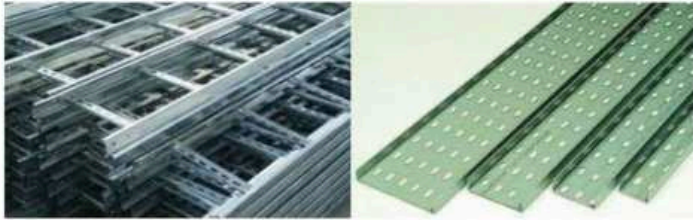
Ex de Switchrack



RIGID CONDUIT FOR ELECTRICAL CABLES IN ALUMINIUM / HDG STEEL
FLEXIBLE CONDUIT FOR ELECTRICAL CABLES



POLES AND TOWERS (i.e. FLOODLIGHT TOWERS, MAST TOWERS)
IN HDG STEEL



CABLE TRAYS IN STAINLESS STEEL / GALVANIZED STEEL



EARTHING MATERIAL



LED AWL SYSTEM AND OBSTRUCTION LIGHTS



LOW TENSION TRANSFORMERS

UPS CHLORIDE



INCREASED SAFETY 'E' OR FLAMEPROOF 'D' UPS SOLUTIONS TO SECURE POWER IN HAZARDOUS AREAS

THE HIGHLY CRITICAL APPLICATIONS AT OFFSHORE OIL & GAS INSTALLATIONS NEED TO BE SECURED BY RELIABLE AND UNINTERRUPTED POWER

AN UNINTERRUPTIBLE POWER SUPPLY (UPS) SOLUTION TO FIT YOUR APPLICATION

At Emerson, we have developed in-house expertise to bring our UPS Solution competencies to the 'Ex' applications. The Chloride XP systems are tailor-made solutions designed to operate in the hazardous atmosphere. Our solutions include:

- Ex d dual redundant DC UPS systems up to 30kW
- Ex d dual redundant AC UPS systems up to 15kVA
- Ex d single DC UPS systems up to 15kW
- Ex d AC and DC distribution panels
- Ex d Charger Controller Unit (CCU) with Maximum Power Point Tracker (MPPT) technology for solar arrays
- Ex e Battery cabinets
- Ex d Wall mounted battery circuit protection boxes
- Ex e Battery Monitoring System

COMPLIANCE TO ATEX/IECEx

The Chloride XP systems from Emerson Network Power are designed to meet the requirements of the ATEX/IECEx standards:

- Ability to self-contain an inside explosion
- Acceptance of over-pressure routine tests at 1.5 time calculated test pressure

ADAPTABILITY TO PROJECT NEEDS

The Chloride XP UPS systems are designed in compliance with your ATEX/IECEx project specific requirements.

The electrotechnical design is based on our proven range of systems:

- The Chloride XP-90R is based on our SCR-based chargers of the Chloride CP-70R
- The Chloride XP-90Z is based on our SCR/IGBT AC UPS systems of the Chloride CP-70Z range.

The enclosure is designed to best fit your application with a choice of materials and mechanical configurations:

- Stainless steel enclosure
- Carbon steel (Mild steel) enclosure
- Baseframe ready to be bolted or welded
- Sunshade canopy
- Specific mechanical adaptation to meet footprint constraints





DUSLO PETROCHEMICAL PLANT - 1st TECHNIP'S WORLDWIDE PLANT FULLY EQUIPPED WITH HAZARDOUS AREA LIGHTINGS WITH LED SYSTEM (APPLETON TECHNOLOGY) SUPPLIED BY VIMEX

VIMEX is one of the recognised leaders in Europe with more than 20 years of experience in the sale of explosion proof electrical equipment.

It is one of the few companies that is able to manage the globality of world standards based on the final destination of its products.

VIMEX offers a complete assistance on all activities of engineering petrochemical companies, for material requisitions, technical alignments and post-order follow-up.

VIMEX is certified with ISO9001 quality certificate.