

Palazzoli

General
Catalogue



2019/2020

Palazzoli



CHIAREZZA DELLA FUNZIONE
SEMPLICITÀ DI PROGETTO
QUALITÀ DELLA MANIFATTURA

CLARITY OF FUNCTION
PROJECT SIMPLICITY
QUALITY OF MANUFACTURE





ZONE	GAS			DUST		
	0	1	2	20	21	22
USABLE		X	X		X	X

Watertight boxes in aluminium alloy suitable for applications in explosion hazardous areas as defined in ATEX Directive 2014/34/UE.

Back box and cover are treated with ecological anticorrosion passivation with fluoro-zirconium treatment and finished with hot polymerised scratch-resistant, non-ageing, non-toxic polyester painting. The colour of the box is RAL 9005 black.

The cover is attached to the back box by means of stainless steel screws while the sealing is guaranteed by a gasket in non-ageing elastomer.

Designed to enable internal and external earthing.

Table of the max. power dissipation allowed for ALUPRES-EX boxes

Code	-40°C - +40°C (W)	-40°C - +50°C (W)	-40°C - +60°C (W)	-40°C - +65°C (W)
511910EX*	10	7	4	2
511913EX	20	13	7	3
150021EX	30	16	8	4
511920EX	40	24	12	6
511921EX	42	28	14	7
511911EX	12	10	5	2
511912EX	23	13	6	3
511917EX	40	23	11	6
511922EX	45	25	13	6
511923EX	65	40	20	10

*The minimum operating temperature is -20 °C.

Compliance with standards
Directive ATEX 2014/34/EU
EN 60079-0
EN 60079-7
EN 60079-31

Directive ATEX 2014/35/EU
EN 62208

Atex execution
II 2G 2D
Ex e IIC Gb
Ex tb IIIC Db

Material **Aluminium alloy**

Surface treatment **Passivation with fluoro-zirconium treatment**

Paint **Hot polymerised non-toxic, non-ageing polyester**

Colour **RAL 9005 (black)**

Protection rating (IP according to IEC/EN 60529) **IP66**

Insulation class **I**

Operating temperature
-40°C - +40°C
-40°C - +50°C
-40°C - +60°C
-40°C - +65°C
(please consult the table)





SUITABLE FOR ZONE 1-2 (GAS) AND 21-22 (DUST)



Junction boxes
in aluminium alloy
with **blind walls** and back plate
IP66

Outer dimensions (mm)	Max. power dissipation (W)	Palazzoli code	Pack Qty
92x92x77	10	511910EX*	1
125x125x113	20	511913EX	1
155x155x73	30	150021EX	1
185x185x145	40	511920EX	1
252x185x145	42	511921EX	1

Equipment included: earth screws inside and outside the box.

Back plate (except code 511910EX).

Notes: the maximum power dissipation is for the maximum ambient temperature of 40°C.

*The minimum operating temperature is -20 °C.



Flanges in aluminium alloy
with metric threading
for windowed boxes
IP66

For windows	Threading type	Projection (mm)	Palazzoli code	Pack Qty
F0	M25x1.5	18	541050EX	1
F1	M25x1.5	18	541055EX	1
F1	M32x1,5	51	540180EX	1
F3	M40x1.5	51	540190EX	1
F5	M50x1.5	51	540195EX	1

Technical accessories:



Junction boxes
in aluminium alloy
with **flanged walls**
and back plates
IP66

Outer dimensions (mm)	Max. power dissipation (W)	Window type	Palazzoli code	Pack Qty
125x92x77	12		511911EX	1
185x92x77	23		511912EX	1
252x125x113	40		511917EX	1
220x220x108	45		511922EX	1
252x252x197	65		511923EX	1

Equipment included: earth screws inside and outside the box. Blind flat flanges.

Back plate (except codes 511911EX and 511912EX).

Notes: the maximum power dissipation is for the maximum ambient temperature of 40°C.



Closing flanges raised
in aluminium alloy
for windowed boxes
IP66

For windows	Projection (mm)	Palazzoli code	Pack Qty
F1	32	540061EX	1
F3	50	540063EX	1
F5	80	540065EX	1

Technical accessories:



The background of the entire page is a night-time satellite view of the Earth, showing the illuminated continents of Europe and Africa. A bright sun or star is positioned at the horizon, creating a lens flare effect. Overlaid on this image is a network of blue lines connecting various points, resembling a global communication or data network. The Palazzoli logo is prominently displayed at the top center.

Palazzoli

— excellence —
FROM ITALY

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