



## 1. APPLICATION

The AL20-4000X Release Station designed for manual control of the system in case of fire.

The AL20-4000X release station must be located in accordance with the general arrangement drawings and the CO2 room arrangement drawing.

It has to be connected to the CO2 cylinders and to the master valve which using 6 x 1 [mm] instrument tube.

For activate, take the key from the keybox.

By using the key open CO2 release station, CO2 alarm will be activated and ventilation will be shut down automatically.

Open the pilot cylinder valve.

Open the CO2 valve.

Open the CO2 cylinder.

If system is activated, everyone **MUST LEAVE** the room.

The AL20-4000X has four different version. For more detail please see technical drawings. Please see table 1.1 for release box types.



RELEASE BOX TYPES		
PROUDUCT NO.	PROUDUCT NAME	DESCRIPTION
AL20-40000	RELEASE STATION	500X400mm CHROME 1 CYLINDER
AL20-40001	RELEASE STATION	500X400mm CHROME 2 CYLINDER
AL20-40002	RELEASE STATION	500X400mm CR STEEL" 1 CYLINDER
AL20-40003	RELEASE STATION	500X400mm CR STEEL" 2 CYLINDER
AL20-40004	RELEASE STATION	600x400mm CR STEEL" 2 CYLINDER

*Table 1.1 Release box types.*

CR STEEL": COLD ROLLED STEEL SHEET IN DIFFRENT THICKNESS



## 2. INSTALLATION

The AL.20-4000X release station must be located in accordance with the general arrangement drawings and the CO2 room arrangement drawing..

The panel must be supported to the bulkhead using the 4 holes drilled on the back plate of panel.

Use M8 bolt's, nut's and washer's OR fix with angle bar.



*Figure 2.1*

If you will use angle bar, use M8 holes on back and fix angle bars to the box first. When four angle bar is fixed on back to the box, fix box to the wall.

## 3. MAINTANANCE

The panel must be in a good condition ( no scratches, squashed, rusty e.g. ) and painted well.

Cylinders must be in a good condition ( no scratches, squashed, rusty e.g. ) and painted well.

Before first run cylinders must weighted and must approve that cylinders are in a good condition.

Before first run pilot hose's and pipes must approve that are in a good condition.

In case of emergency situation, station has switch for activate alarm/siren and deactivate ventilation, switch must be in a working condition.

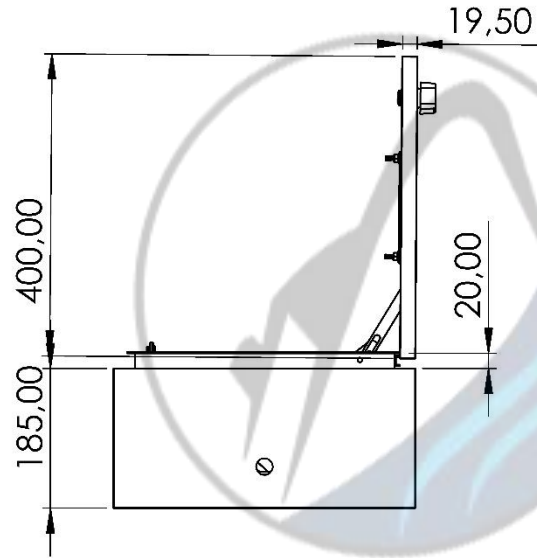
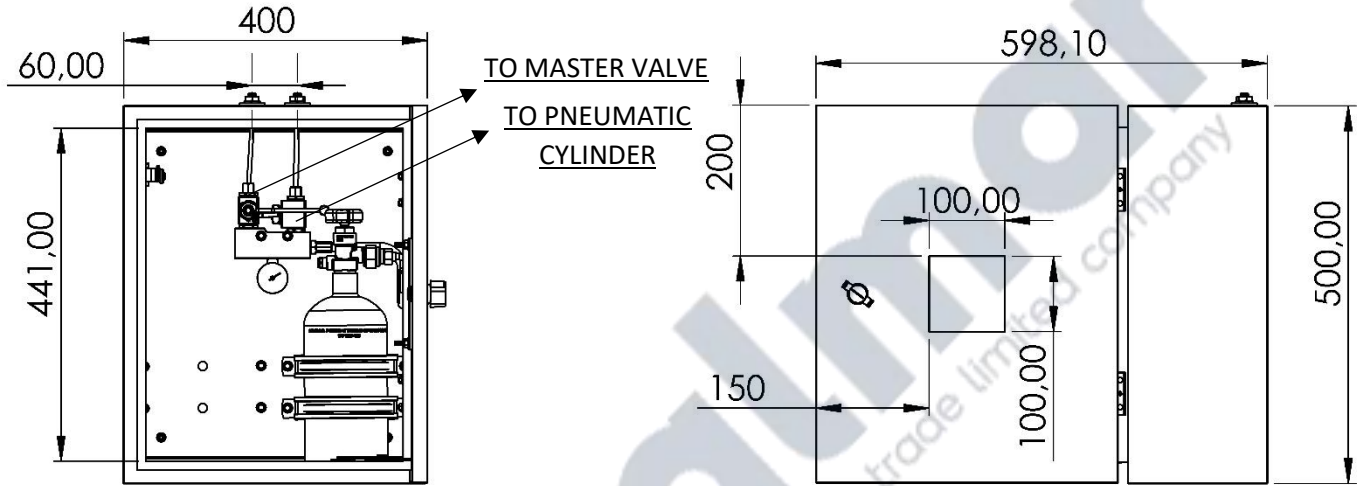
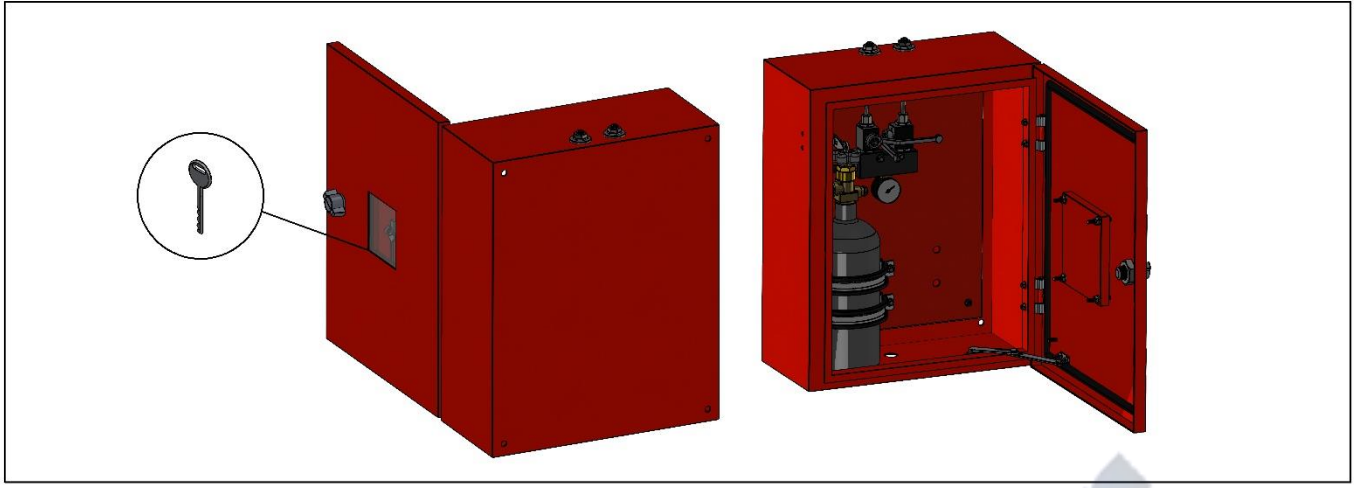
The key of station must be near to the panel, in a case which has breakable glass panel on it.

For cylinders please see "THE CYLINDER MANUAL INSTRUCTION OF USAGE AND EXPLOITATION" on cylinder's datasheet(AL20-40009Rev00).

## 4. TECHNICAL DRAWINGS

Please see following pages for detailed technical drawings.

# RELEASE BOX AL20-40000



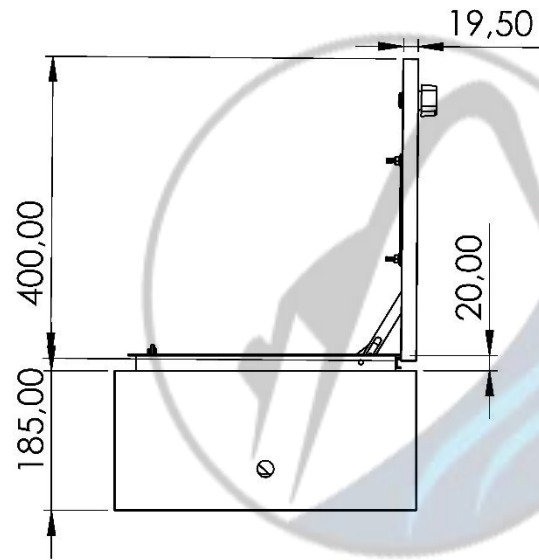
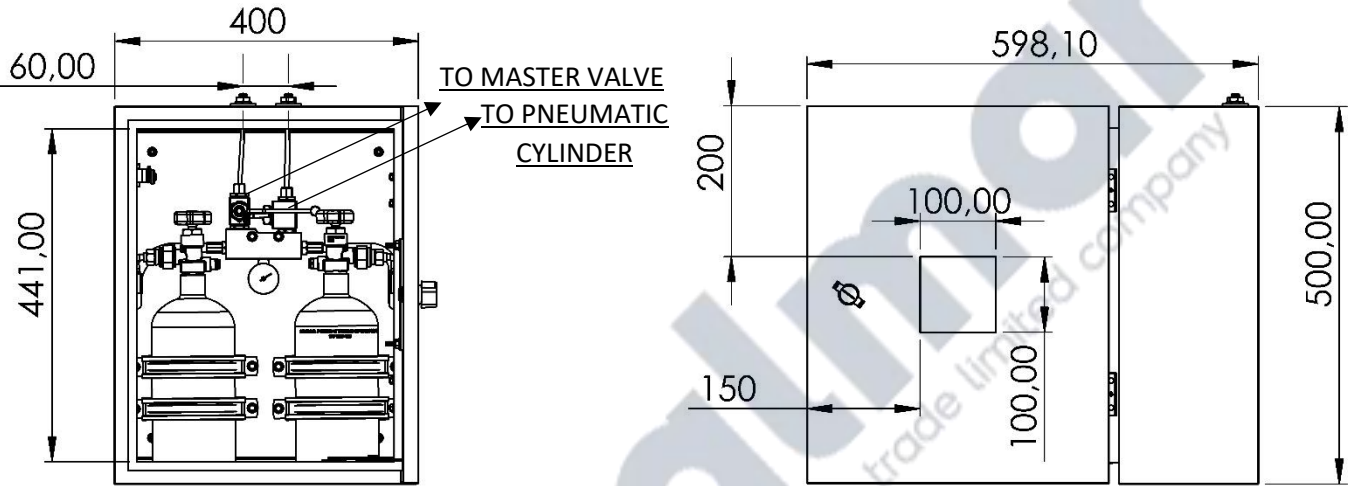
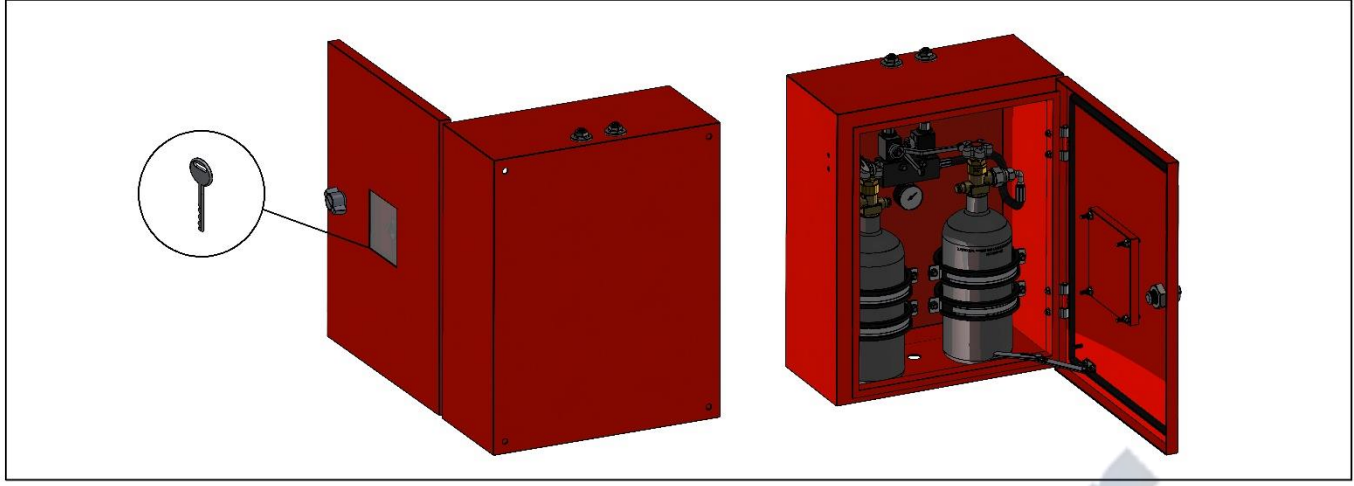
In emergency please read the instructions on the box.

AL20-40005 (BOX)	
Thickness	1.5 mm
Color code	RAL 3001

AL20-40003 COMPANENST'S		
PROUDUCT NO	PROUDUCT	QUANTITY
AL20-40009	CYLINDER 2L	1
AL20-40030	SWITCH 122	1
AL20-40008	2/2-1 COLLECTOR BLOCK	2
AL20-40054	PRESSURE GAUGE	1
AL40-40069	MANUAL VALVE	1
AL20-40024	PILOT HOSE	1
-	CHROME PIPE Ø 6X1 [mm]	1
-	1/2"-2/3" NIPPLE	1
-	6" NIPPLE	1
AL20-40018	DN4 VALVE	2
	CYLINDER CLAMP 4" 2pcs.	1
	CURTAIN TRANSITION NIPPLE	2
-	KEY BOX	1
AL20-40005	RELEASE BOX (CIHROME)	1

DRAWING NO.	POS. NO 5A	PROUDUCT NO. AL20-40000	QUANTITY:	PAGE A4
DESIGNED BY: ALİ ARMAĞAN	CHEKED BY: ÇAĞLAR LATİFOĞLU	APPROVED BY: ÇAĞLAR LATİFOĞLU	DATE: 08/09/2020	SCALE:
 <b>almar</b> <small>foreign trade limited company</small>		PROJECT / PROUDUCT: RELEASE BOX		
WEIGHT: -		METARIAL:	REVISION: rev00	SHEET 1


# RELEASE BOX AL20-40001



In emergency please read the instructions on the box.

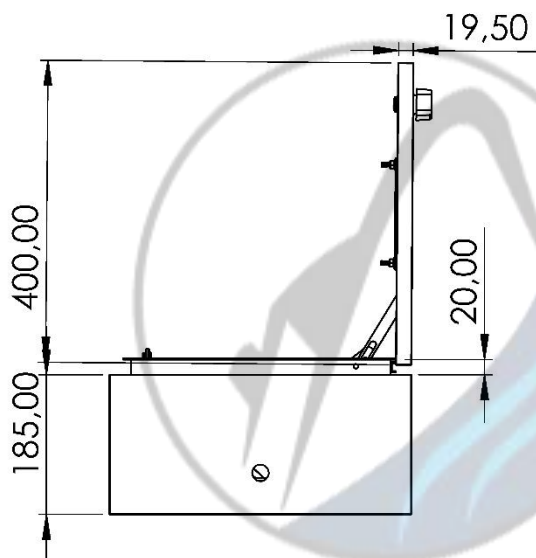
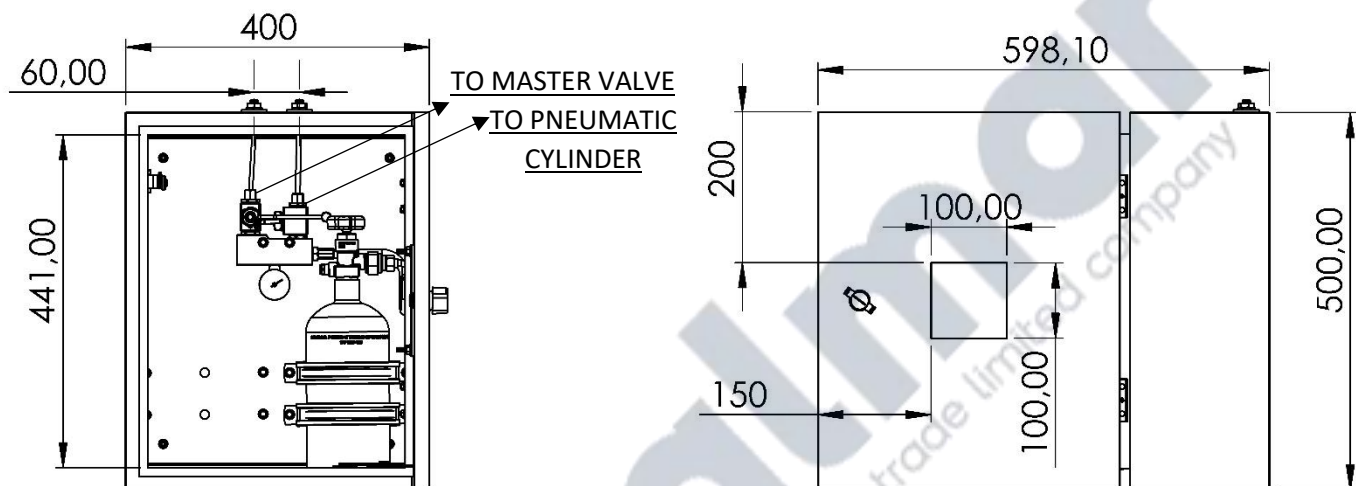
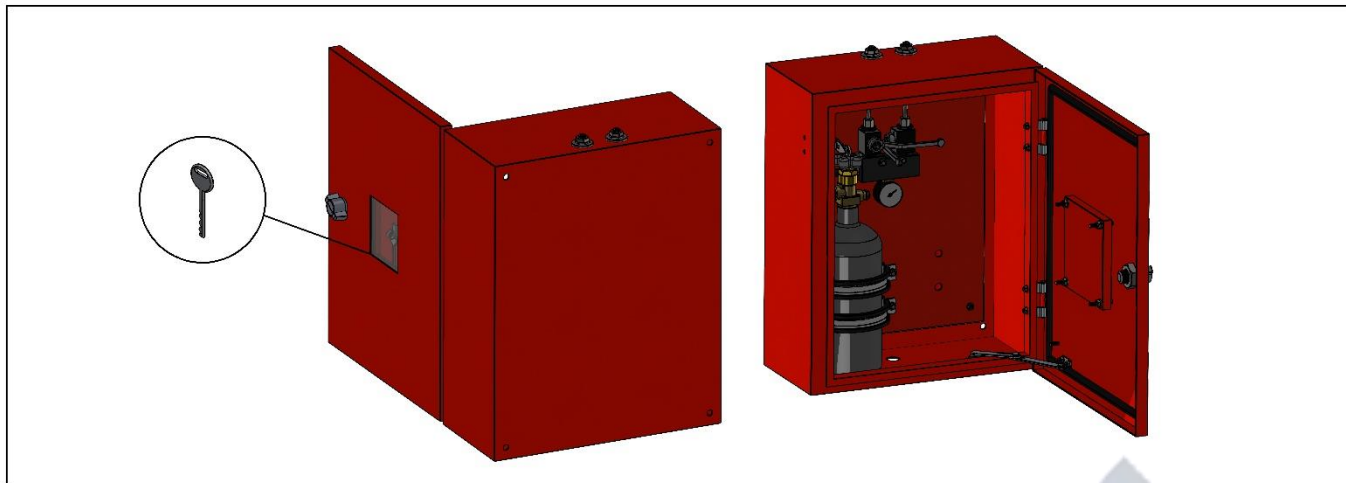
AL20-40005 (BOX)	
Thickness	1.5 mm
Color code	RAL 3001

AL20-40003 COMPANENST'S		
PROUDUCT NO	PROUDUCT	QUANTITY
AL20-40009	CYLINDER 2L	2
AL20-40030	SWITCH 122	1
AL20-40008	2/2-1 COLLECTOR BLOCK	1
AL20-40054	PRESSURE GAUGE	1
AL40-40069	MANUAL VALVE	2
AL20-40024	PILOT HOSE	2
-	CHROME PIPE Ø 6X1 [mm]	2
-	1/2"-2/3" NIPPLE	2
-	6" NIPPLE	2
AL20-40018	DN4 VALVE	2
	CYLINDER CLAMP 4" 2pcs.	2
	CURTAIN TRANSITION NIPPLE	2
-	KEY BOX	1
AL20-40005	RELEASE BOX (CHROME)	1

DRAWING NO.	POS. NO 5B	PROUDUCT NO. AL20-40001	QUANTITY:	PAGE A4
DESIGNED BY: ALİ ARMAĞAN	CHEKED BY: ÇAĞLAR LATİFOĞLU	APPROVED BY: ÇAĞLAR LATİFOĞLU	DATE: 08/09/2020	SCALE:
 <b>almar</b> foreign trade limited company		PROJECT / PROUDUCT: RELEASE BOX		
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# RELEASE BOX AL20-40002



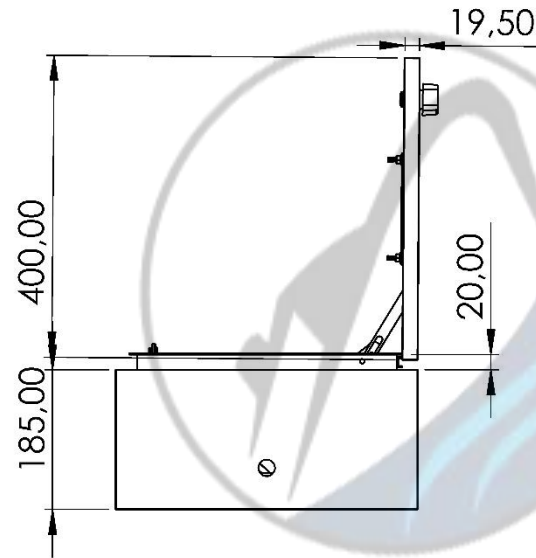
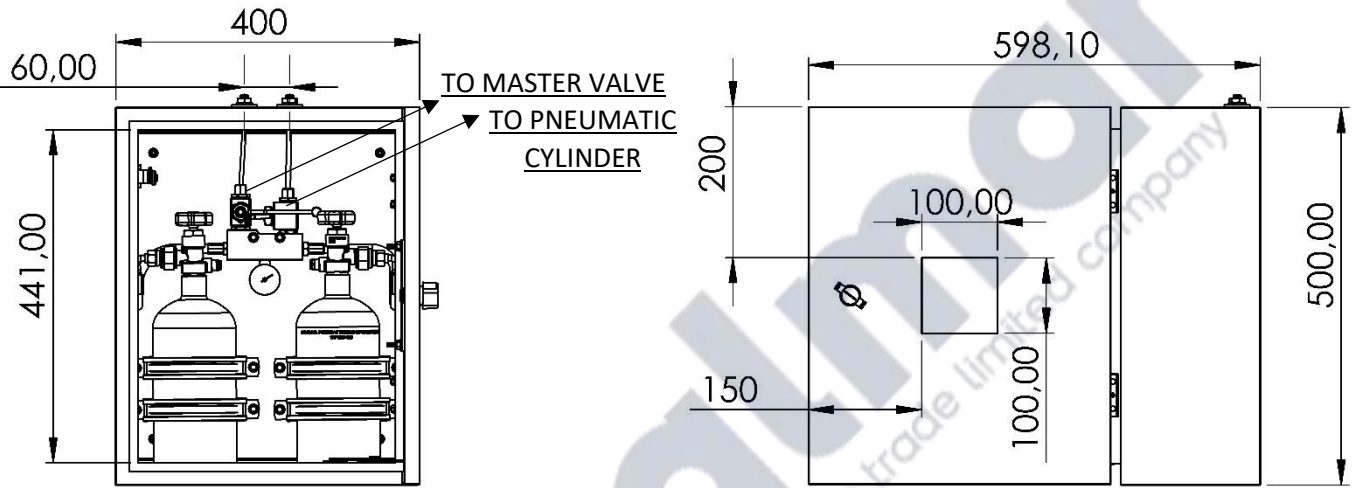
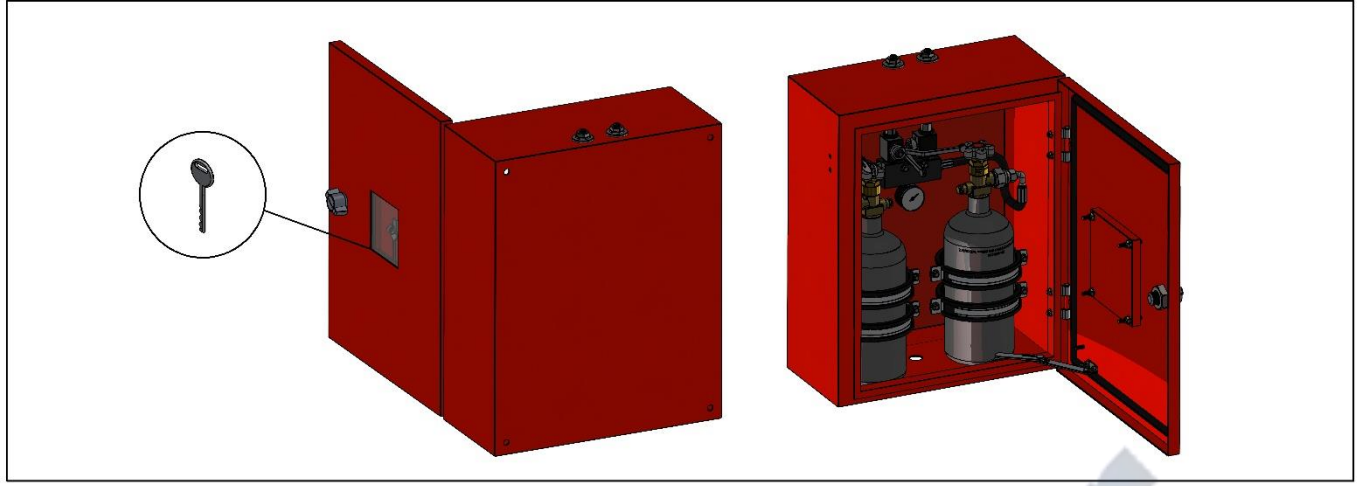
In emergency please read the instructions on the box.

AL20-40006 (BOX)	
Thickness	1.5 mm
Color code	RAL 3001

AL20-40003 COMPANENST'S		
PROUDUCT NO	PROUDUCT	QUANTITY
AL20-40009	CYLINDER 2L	1
AL20-40030	SWITCH 122	1
AL20-40008	2/2-1 COLLECTOR BLOCK	1
AL20-40054	PRESSURE GAUGE	1
AL40-40069	MANUAL VALVE	1
AL20-40024	PILOT HOSE	1
-	CHROME PIPE Ø 6X1 [mm]	2
-	1/2"-2/3" NIPPLE	1
-	6" NIPPLE	1
AL20-40018	DN4 VALVE	2
	CYLINDER CLAMP 4" 2pcs.	1
	CURTAIN TRANSITION NIPPLE	2
-	KEY BOX	1
AL20-40006	RELEASE BOX (DKP)	1

DRAWING NO.	POS. NO 5C	PROUDUCT NO. AL20-40002	QUANTITY:	PAGE A4
DESIGNED BY: ALİ ARMAĞAN	CHEKED BY: ÇAĞLAR LATİFOĞLU	APPROVED BY: ÇAĞLAR LATİFOĞLU	DATE: 08/09/2020	SCALE:
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WEIGHT: -		METARIAL:	REVISION: rev00	SHEET 1

# RELEASE BOX AL20-40003



## AL20-40003 COMPANENST'S

PROUDUCT NO	PROUDUCT	QUANTITY
AL20-40009	CYLINDER 2L	2
AL20-40030	SWITCH 122	1
AL20-40008	2/2-1 COLLECTOR BLOCK	1
AL20-40054	PRESSURE GAUGE	1
AL40-40069	MANUAL VALVE	2
AL20-40024	PILOT HOSE	2
-	CHROME PIPE Ø 6X1 [mm]	2
-	1/2"-2/3" NIPPLE	2
-	6" NIPPLE	2
AL20-40018	DN4 VALVE	2
	CYLINDER CLAMP 4" 2pcs.	2
	CURTAIN TRANSITION NIPPLE	2
-	KEY BOX	1
AL20-40005	RELEASE BOX (DKP)	1

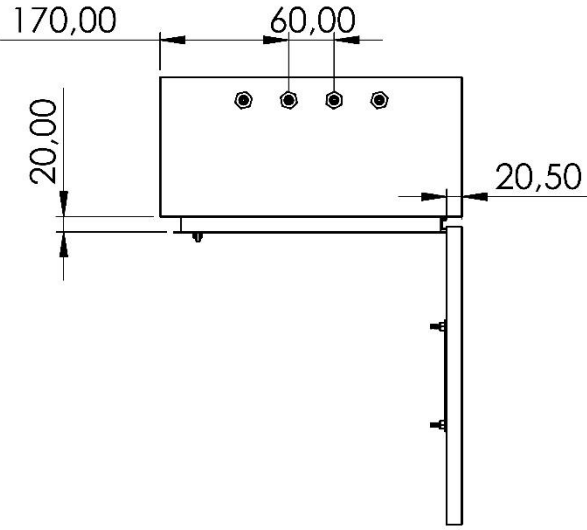
In emergency please read the instructions on the box.

AL20-4001 (BOX)	
Thickness	1.5 mm
Color code	RAL 3001

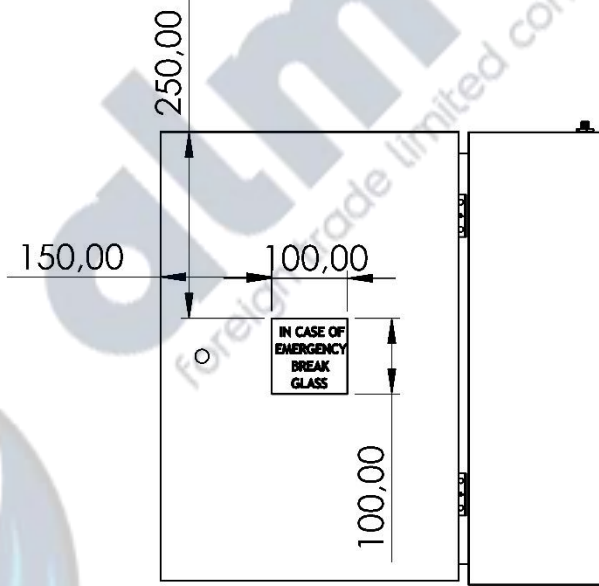
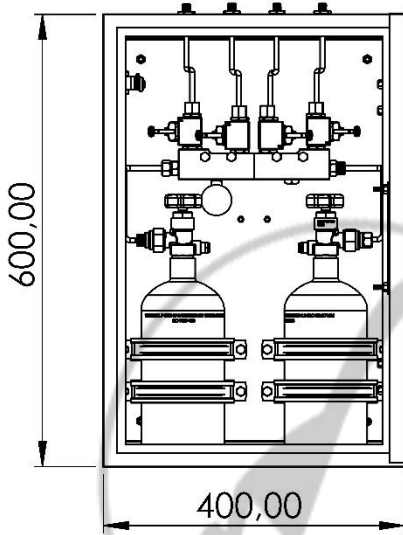
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DESIGNED BY: ALİ ARMAĞAN	CHEKED BY: ÇAĞLAR LATİFOĞLU	APPROVED BY: ÇAĞLAR LATİFOĞLU	DATE: 08/09/2020	SCALE:
PROJECT / PROUDUCT: RELEASE BOX		WIGHT: -	METARIAL: -	REVISION: rev00
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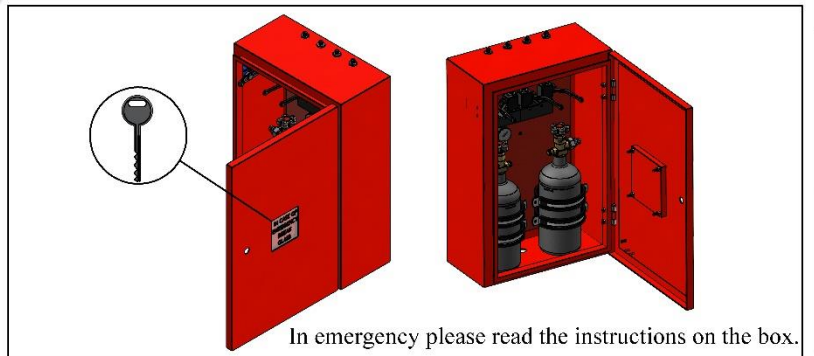
# RELEASE BOX AL20-40004



AL20-40004 COMPONENTS		
PROUDUCT NO.	PROUDUCT	QUANTITY
AL20-40009	CYLINDER 2L	2
AL20-40030	SWITCH 122	1
AL20-40074	4/2-1 COLLECTOR BLOCK	1
AL20-40054	PRESSURE GAUGE (0-100)	1
AL20-40069	MANUAL VALVE	2
AL20-40024	PILOT HOSE	2
-	CHROME PIPE D6mm	6
-	1/2" to 2/3" NIPPLE	2
-	6" NIPPLE	2
AL20-40018	DN4 VALVE	4
-	CYLINDER CLAMP 4" 2 pcs.	2
-	CURTAIN TRANSITION NIPPLE	4
-	KEY BOX	1
AL2040005	RELEASE BOX(DKP)	1



AL20-40004 (BOX)	
Thickness	1.5 mm
Color code	RAL 3001



DRAWING NO.	POS. NO 5E	PROUDUCT NO. AL20-40004	QUANTITY:	PAGE A4
DESIGNED BY: ALİ ARMAĞAN	CHEKED BY: ÇAĞLAR LATİFOĞLU	APPROVED BY: ÇAĞLAR LATİFOĞLU	DATE: 25/09/2020	SCALE: 1:10
PROJECT / PROUDUCT: RELEASE BOX		WEIGHT: -	MATERIAL: -	REVISION: rev00
SHEET 1				

