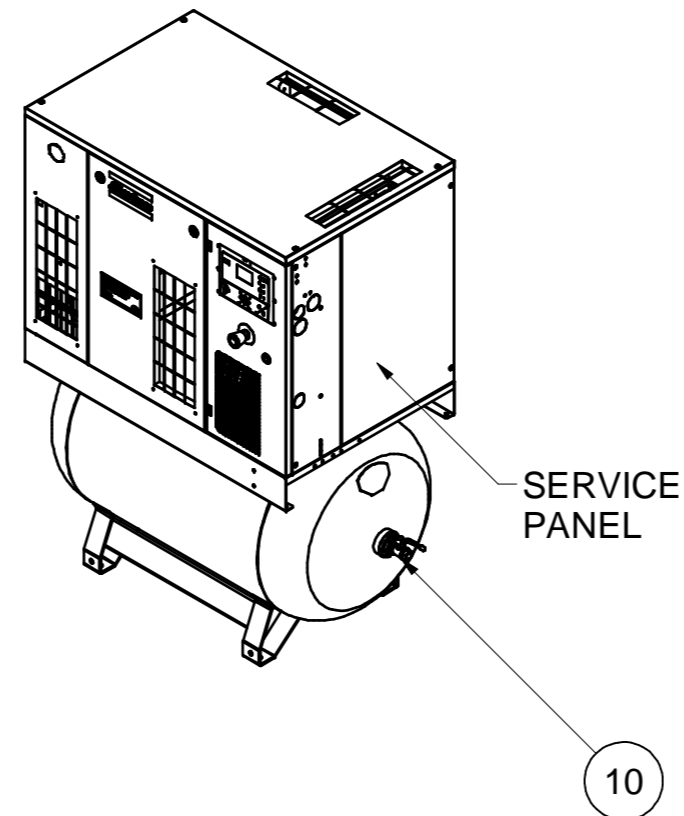
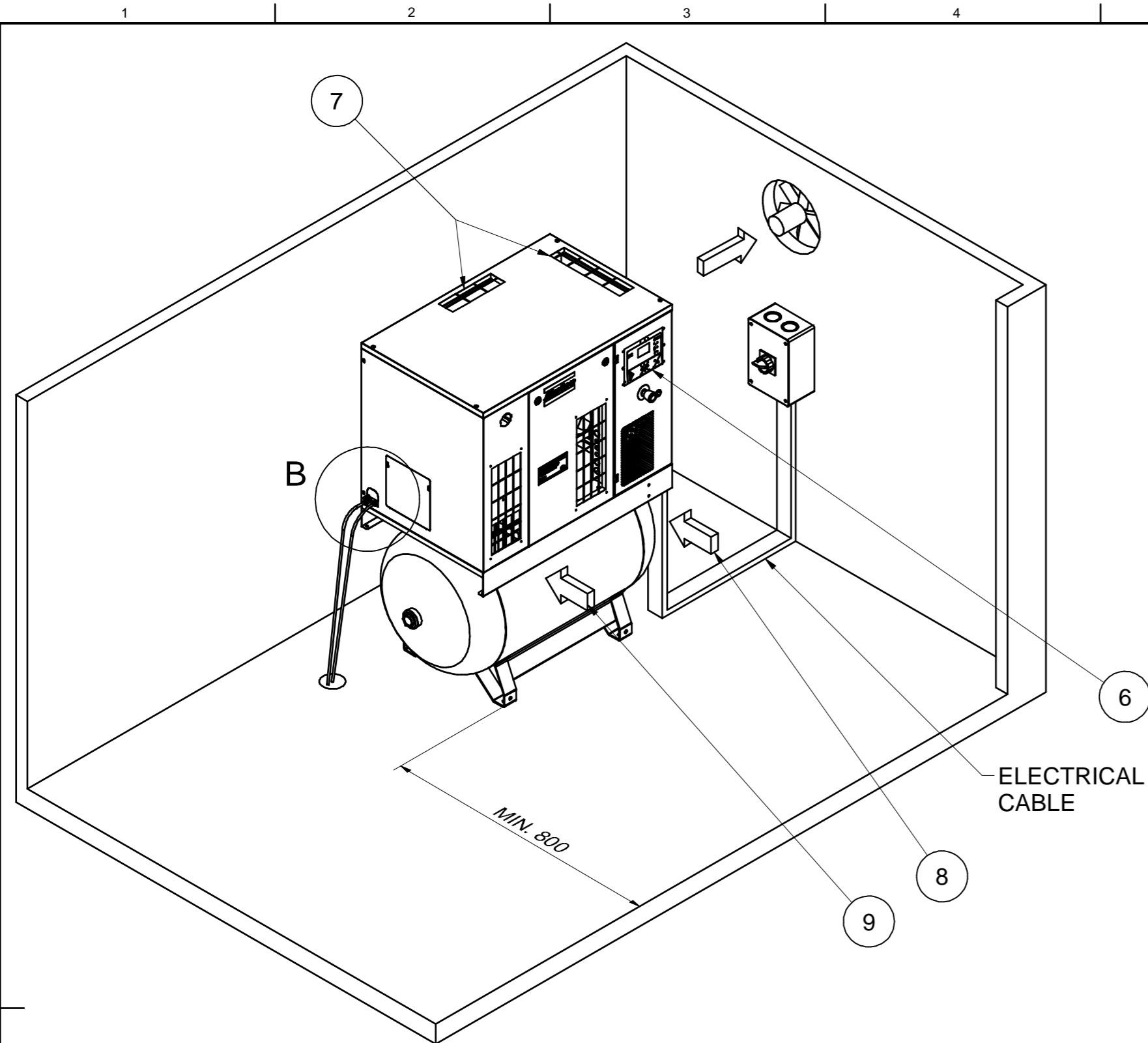
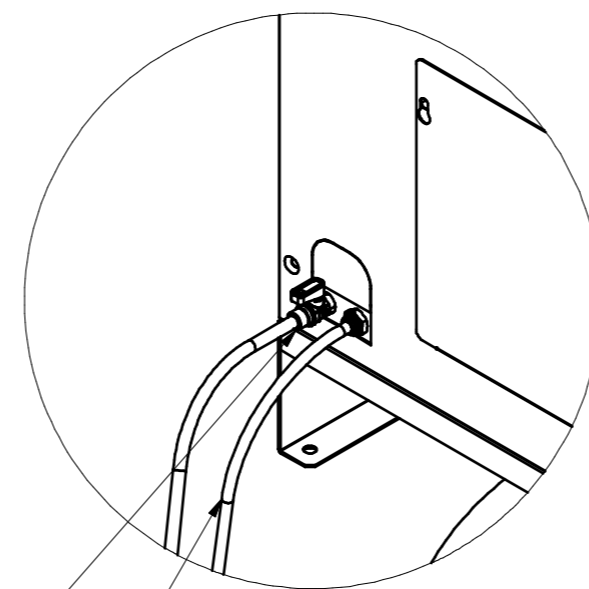


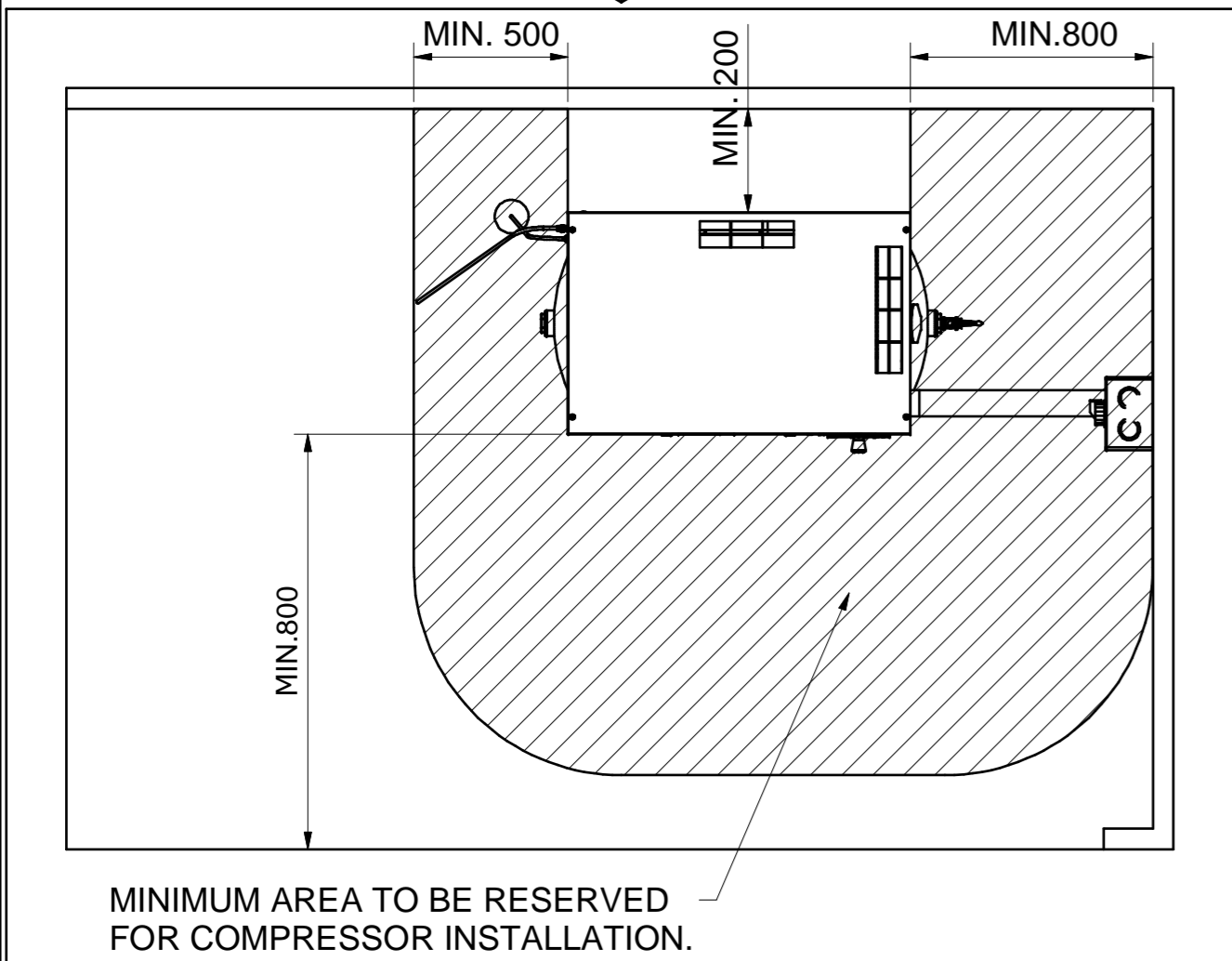
All materials supplied are in compliance with the requirements of the List of Prohibited Substances



CONDENSATE DRAIN
VIEW B



MANUAL DRAIN
AUTOMATIC DRAIN



MINIMUM AREA TO BE RESERVED FOR COMPRESSOR INSTALLATION.

NOTES:

1. ALL PIPES SHOULD BE INSTALLED STRESS FREE TO THE COMPRESSOR UNIT, THE DRYER AND THE VESSEL.
2. FOR MORE INFORMATION CONCERNING AIR NETS, COOLING SYSTEMS ETC. REFER TO THE COMPRESSOR INSTALLATION MANUAL
3. FOR DIMENSIONS AND AIR FLOW DIRECTIONS REFER TO THE AHB DIMENSION DRAWINGS.

MAIN COMPONENTS

1. The compressor - dryer combination has to be installed on a level horizontal industrial floor.
2. Delivery pipe : The maximum total pipe length (including interconnecting piping between compressor, air receiver and dryer) can be calculated from:

$$L = \frac{\Delta P \times d^5 \times P}{450 \times Q_c \times 1,85}$$

L = The length of the pipe (m)
 ΔP = The maximum allowable pressure drop (recommended 0,1 bar.g)
 d = The inner diameter of the pipe (mm)
 P = The absolute pressure at the compressor outlet (bar.a)
 Qc = The compressor FAD(L/S)

3. Ventilation: The inlet grid(s) and ventilation fan should be installed in such a way.

- That any recirculation of cooling air to the compressor or dryer is avoided.
- Maximum allowable pressure drop over cooling air duct 30Pa.
- Maximum air temperature at the compressor intake opening is 40°C
- The required ventilation to limit the compressor room temperature can be calculated from:

$$Q_v = 1.06N / \Delta T \quad \dots (\text{PACK})$$

$$Q_v = (1.06N + 0.2) / \Delta T \quad \dots (\text{FULL FEATURE})$$

Qv = The required ventilation capacity (m³/s)
 N = The shaft input of compressor (kW)
 ΔT = The compressor room temperature over outdoor temperature (°C)

- Drain pipes to condensate collector. The drain pipes may not enter in the collector.

4. Optional air receivers: 272L/ 500L/ 3X10 L
 An air receiver can be necessary to limit the cycle frequency
 Recommended Max. = 20/Starts/ Hour

5. Optional Filters: To be installed downstream pressure line.
 General purpose filtration: Type DD. Particle removal down to 1 micron.
 High efficiency filtration: Type PD. Particle removal down to 0,01 micron.

6. Control cubicle with monitoring panel.
7. Compressor and dryer cooling air outlet.
8. Compressor cooling air inlet.
9. Dryer cooling air inlet.
10. Compressor air discharge

11. The drain pipes to the drain must not dip into the water.

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00			2015-06-16	
Ed	Position	Modified from	Date	Intr./Appd.

9820640302	00.01
Parent 3D model	Ed. Version 3D

Tolerances, if not indicated, according to:					
ATLAS COPCO STANDARD CLASS					
Name	DIMENS. INSTALL.	INSTALLATION PROPOSAL	Confidentiality Class	acc. to 1102 K	
Material	NOT APPLICABLE	SF1-6 TM	3		
Treatment	Not Applicable		INV		
	Scale	-/-	Family	A2	Compare
	Drawn by	mpopalbh	Blank nr.		Replaces
Version Drwg	00.04	Blank wt	0 Kg	Fini wt.	1,684 Kg
STATUS	Des checked.	Prod checked.	Approved.	Date	2015-06-10
Approved				Designation	Sheet 1 / 1
					9820640302