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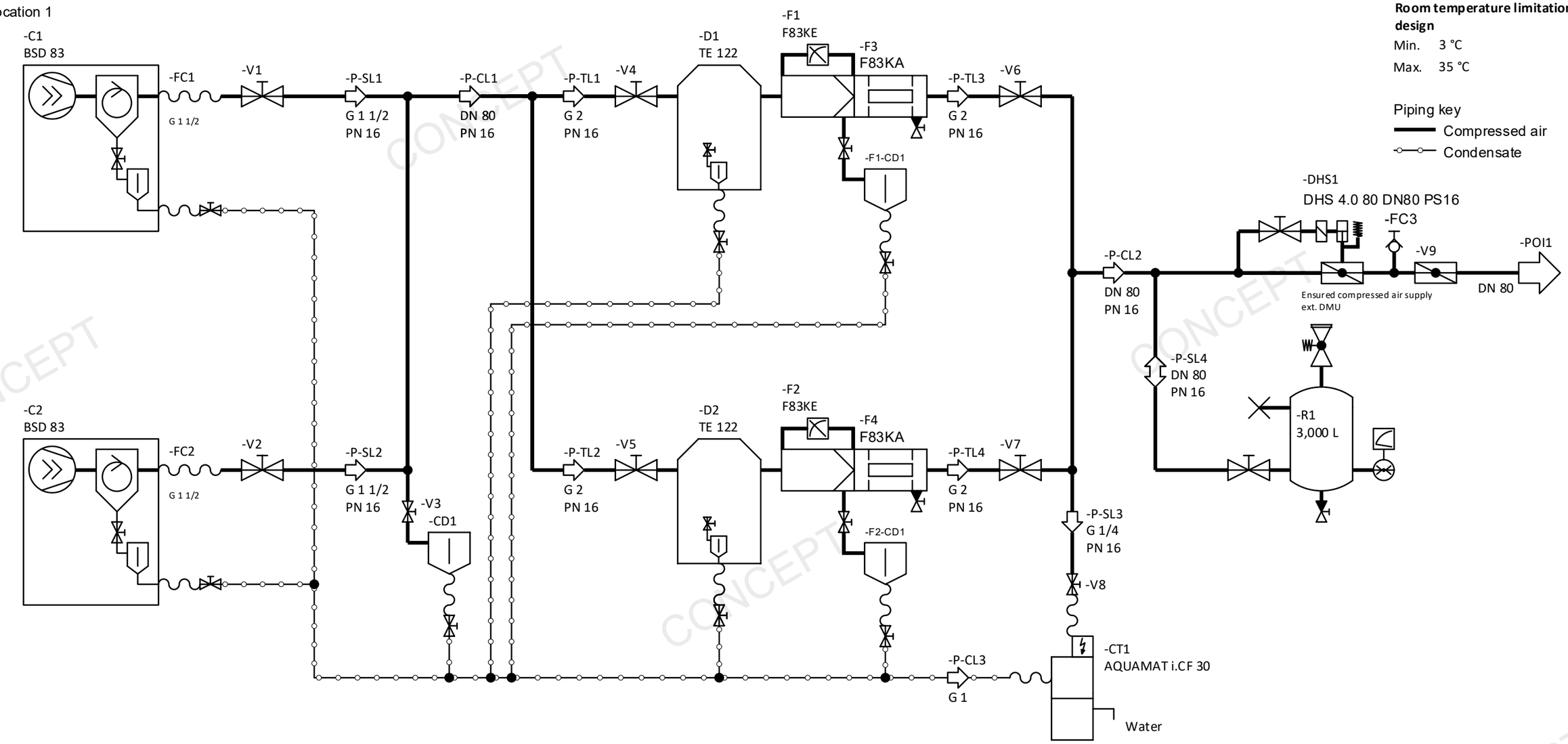
Location 1



Room temperature limitations by design

Min. 3 °C

Max. 35 °C

Piping key

Compressed air

Condensate

Compressed air quality class to ISO 8573-1: 2010 (Particle : Water : Oil) when the operational conditions and maintenance specifications are met

Condensate lines have to be connected to a collective line with a gradient (>3%) via swan neck or are to be fed to the condensate treatment system separately. A pressure-less drain has to be provided for.

In wet areas of the compressed air main all connections have to be built as swan neck from above. Exception: a sidelong connection is possible, if the collective line is at least two pipe sizes larger than the connection. The main has to be installed with a descending gradient and a condensate drain has to be provided at the lowest point.

Documents released by engineering are identified by these characteristics in the title block

date of review/release

name of the reviewing/ releasing individual

Furthermore, any unreleased documents are identified by this designation: "Draft – for technical clarification only"

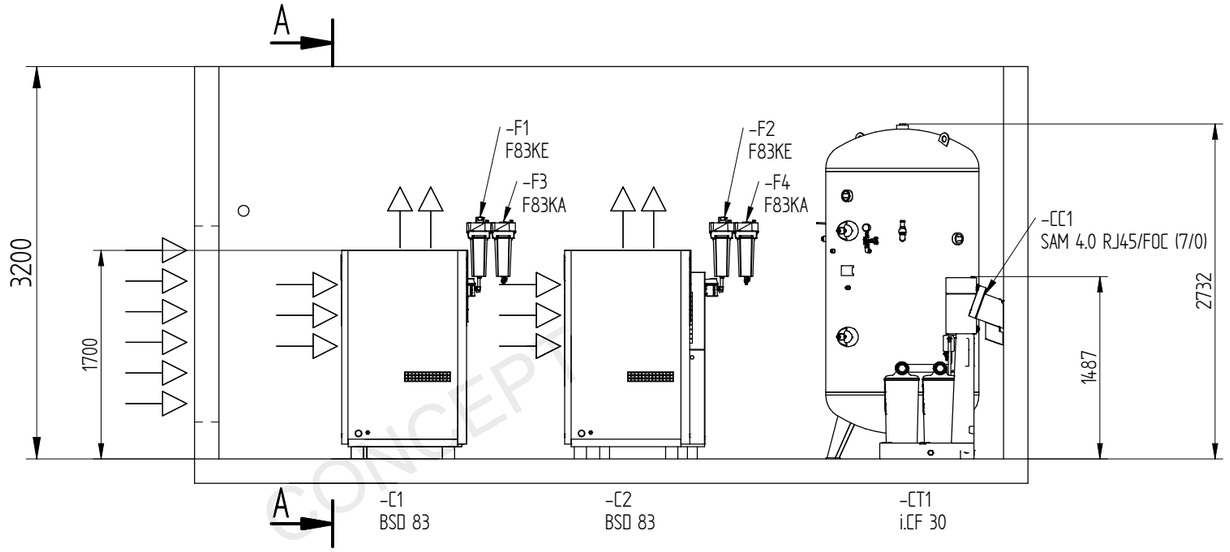
Other applicable documents are listed in "Documents overview"

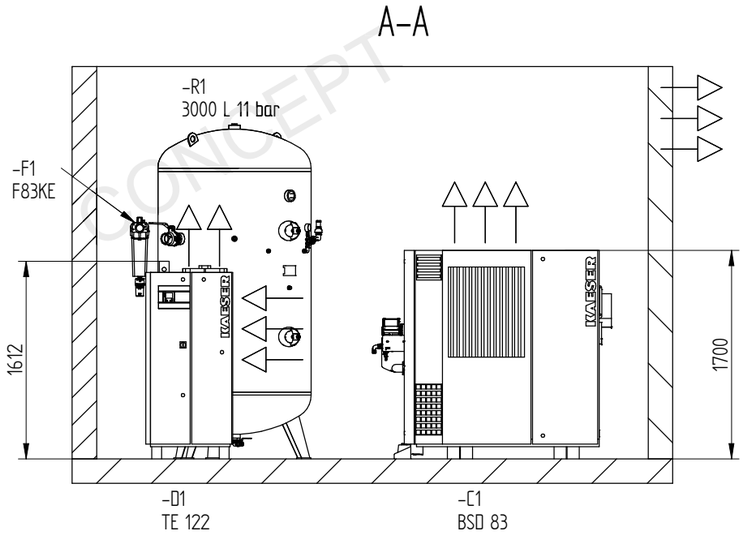
All site work, including but not limited to, site preparation, construction, system component assembly and installation, must be completed in accordance with all relevant local, state and national codes and regulations, including but not limited to, building, electrical and occupational safety. End-users and all sub-contractors responsible for this work may be provided with product information to initiate these tasks, however this is not a substitution for reading and understanding the appropriate Product Manuals prior to installation of the equipment.

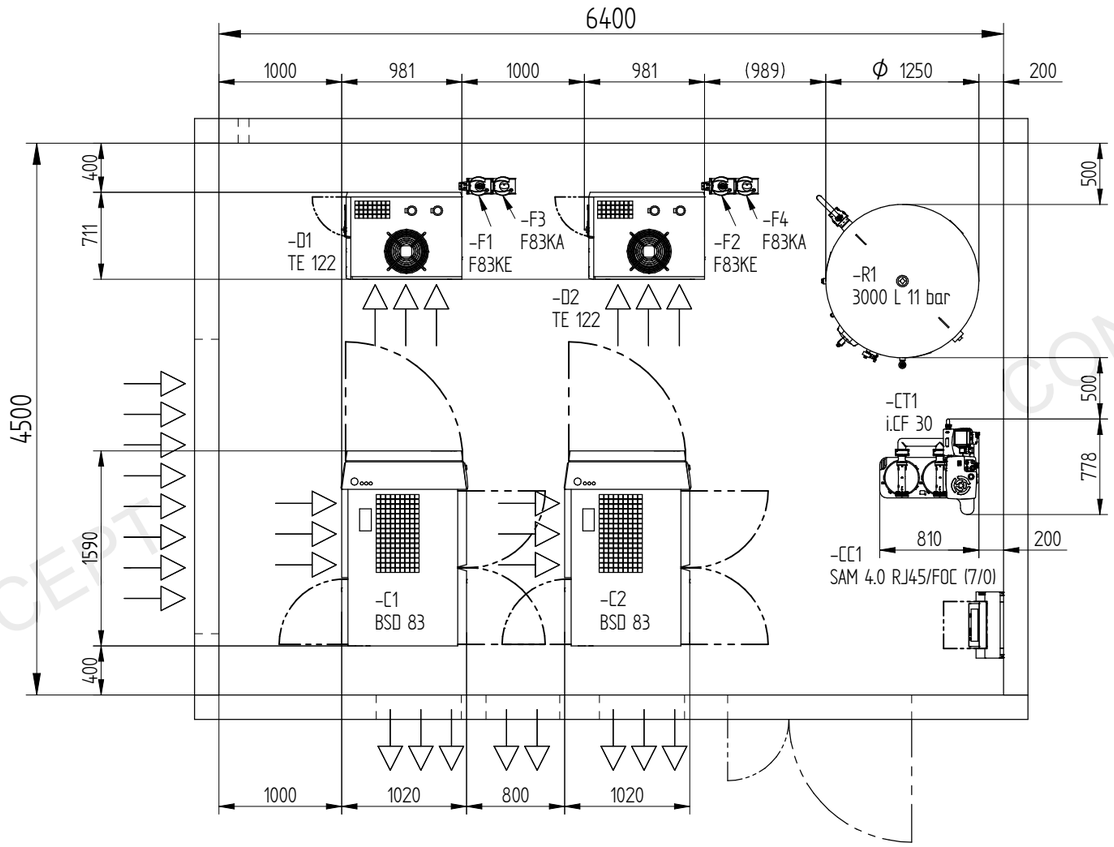
Since the compliance with the various federal, state and local laws and regulations concerning occupational health and safety and pollution are affected by the use, installation and operation of Equipment and other matters over which the below mentioned supplier has no control, the below mentioned supplier assumes no responsibility for compliance with those laws and regulations, whether by way of indemnity, warranty or otherwise.

Project number 00147910 Status CONCEPT			Station setup ID 266627 Concept 1			Station ID 41574
					Date	Name
				Drawing	3/18/2024	blinzler1
				Check		hobusch
				Approval	3/21/2024	hobusch
0		5/31/2016				
01	Planning sketch	3/19/2024	blinzler1	KAESER KOMPRESSOREN®		Sample planning sketch with exhaust air duct / Fluid cooled screw compressors shown: 2x BSD 83, 1/4/1, 7 bar / Ref. dryer/ F KE/ F KA
02	Released	3/21/2024	blinzler1			P&I diagram Sh. P&I diagram
03	Adjustment released	5/7/2024	blinzler1			Sheet size DIN A3 1 297 x 420 mm
Rev.	Change	Date	Name	Orig.		Replaces / Replaced by

CONCEPT







Design and installation of venting system and piping by specialized company.

The warmed up outgoing air must be led out through a conduit in a certain direction

Louvre for incoming air package/ thermostatically controlled

Louvre for incoming / outgoing air with ventilation grille

Louvre for outgoing/ recirculation air thermostatically controlled

Condensate lines have to be connected to a collecting line with a gradient (>3%) via swan neck or are to be fed to the condensate treatment system separately. A pressure-less drain has to be provided for.

ATTENTION!
Minimum width of door = total width of component + 100 mm

This drawing also contains work to be done on site. The regulations of EN 1012 and national regulations for setting up of power installations equivalent to VDE 0100 and VDE 0105 have to be observed; the requirements of existing operational safety ordinance and the manuals have to be considered by the operator and the employer respectively at the place of installation. The national safety and accident prevention regulations have to be observed. The installation of a sub- assembly in terms of the pressure equipment directive 2014/68/EU has to be carried out according to this directive.

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Documents released by engineering are identified by these characteristics in the title block:
Date of review/ release and name of the reviewing/ releasing individual.

Project No.	00147910	Station Setup ID	266627	Station ID	41574	
Status	CONCEPT					

Rev.	Modification	Date	Name		Date	Name
03	Adjustment released	07.05.2024	blinzler1		Date	Name
02	Released	21.03.2024	blinzler1	Drawing	13.06.2024	hoffmann6
01	Planning sketch	19.03.2024	blinzler1	Review	13.06.2024	hobusch
0		31.05.2016		Released	13.06.2024	hobusch
				Template Rev. 2021/06		
		<RevD 6 DMY>				
		<RevD 7 DMY>				
		<RevD 8 DMY>				

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Sample planning sketch
with exhaust air duct /

Fluid cooled screw compressors
shown: 2x BSD 83, 1/4/1, 7 bar / Ref. dryer/ F KE/ F KA

Sketch	Page 1 of 6	Paper size	DIN A3 / 1:50
P&I Diagram	PI	Description	Views without Piping and Ventilation
Sketch	C2		
Original		Replaces	Replaced by

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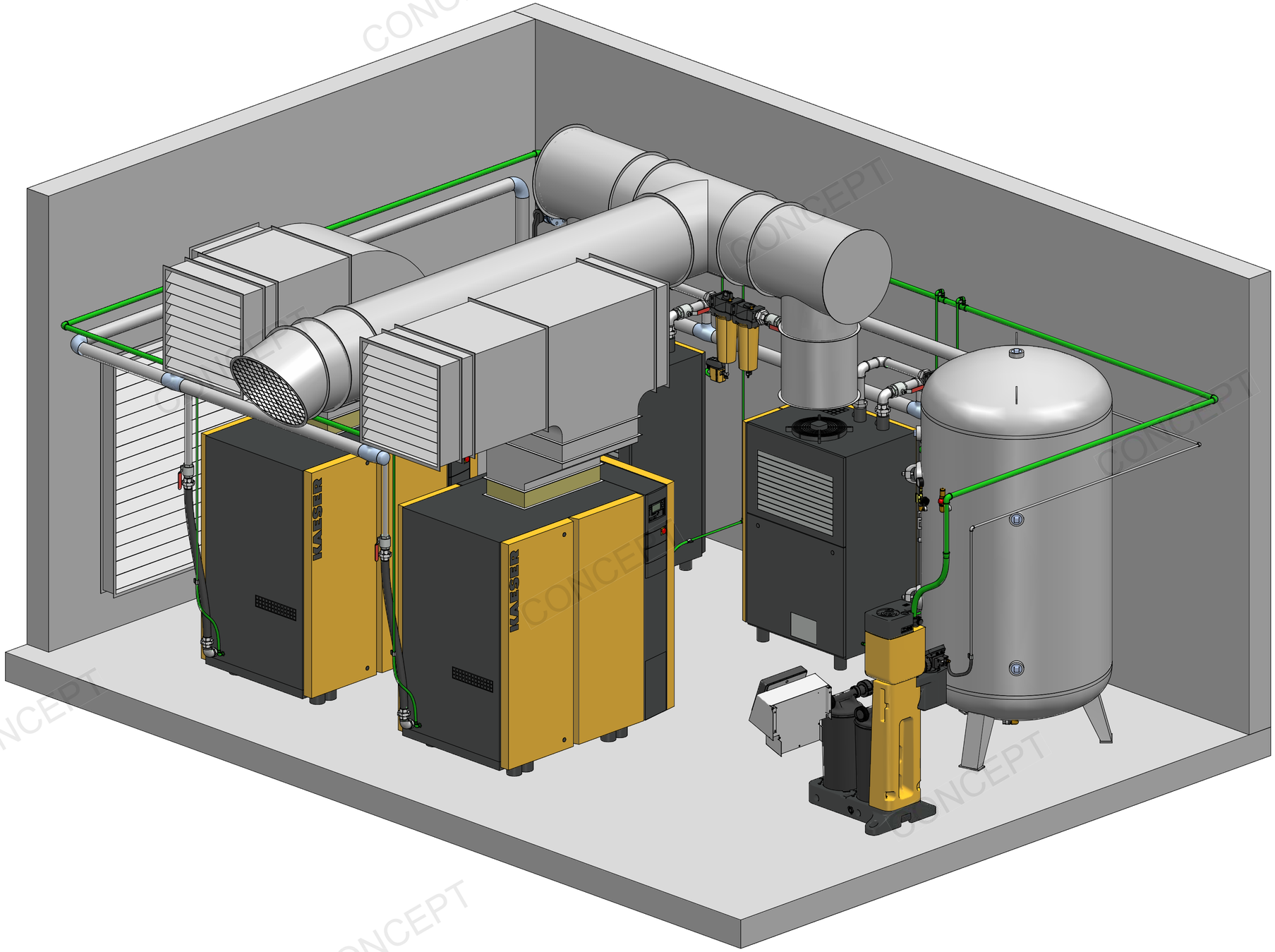
CONCEPT



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				Template Rev.	2021/06	
		<RevD 6 DMY>				
		<RevD 7 DMY>				
		<RevD 8 DMY>				

Rev.	Modification	Date	Name
	Original		
	Replaces		
	Replaced by		

Sample planning sketch

with exhaust air duct /

Fluid cooled screw compressors

shown: 2x BSD 83, 1/4/1, 7 bar / Ref. dryer/ F KE/ F KA

Sketch	Page 6 of 6	Paper size	DIN A2 / 1:50
P&I Diagram	PI	Description	View with Piping and Ventilation
Sketch	C2		

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