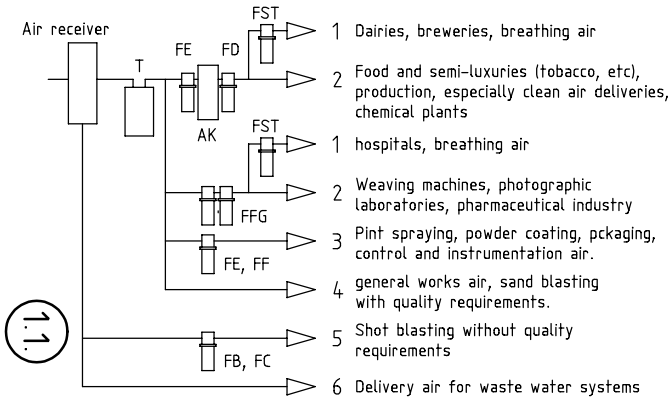
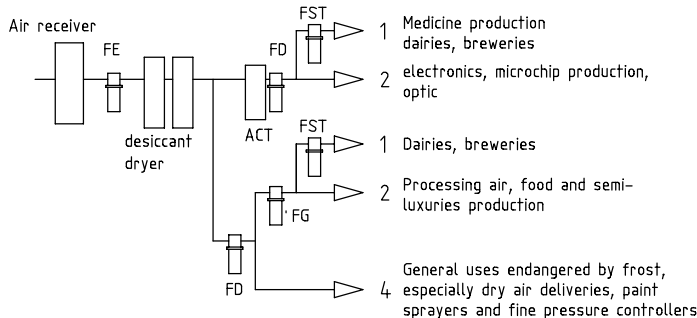


DIN / ISO 8573-1				
class	Residual dust µm mg/m ³	Residual water DTP °C	Oil carry-over g/m ³	Oil carry-over mg / m ³
1	0.1 0.1	-70 0.003	0.01	0.01
2	1 1	-40 0.117	0.1	0.1
3	5 5	-20 0.88	1	1
4	15 8	+3 5.95	5	5
5	40 10	+7 7.73	25	25
6	-- --	+10 9.36	--	--

Air quality depend on DIN / ISO 8573-1



- 1 Dairies, breweries, breathing air
- 2 Food and semi-luxuries (tobacco, etc), production, especially clean air deliveries, chemical plants
- 1 hospitals, breathing air
- 2 Weaving machines, photographic laboratories, pharmaceutical industry
- 3 Pint spraying, powder coating, packaging, control and instrumentation air.
- 4 general works air, sand blasting with quality requirements.
- 5 Shot blasting without quality requirements
- 6 Delivery air for waste water systems



- 1 Medicine production dairies, breweries
- 2 electronics, microchip production, optic
- 1 Dairies, breweries
- 2 Processing air, food and semi-luxuries production
- 4 General uses endangered by frost, especially dry air deliveries, paint sprayers and fine pressure controllers

Indicate the required air quality

ZK = Centrifugal separator, separates accumulated condensate
 FB, FC = Prefilter, removes solid particles bigger 3 microns
 FD = Dustfilter as Afterfilter at Adsorber
 FE, FF = Microfilter, removes oil aerosols and solid particles bigger 0.01 microns
 FFG = Microfilter combination, consists of FF and FG
 FST = Sterile filter, provides germ free compressed air
 T = Refrigeration dryer dries compressed air with a pressure dew point down to +2 °C
 ECO-DRAIN, electronic controlled condensate drain
 ACT = activated carbon adsorber, adsorbs oil vapours and hydrocarbons of oil
 Aquamat = oil- water separator for compressor condensate (dispersion)

customer _____
 sales rep _____
 date _____

1.1

KAESER
KOMPRESSOREN

P + I	2000	Date	Name
Inst.	Drawn	15.11	Teubl
Dist.	Proved		

P+I diagram
 Advance design
 and clarification

Drawing - No	RC000604
Page	01 of 01

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Customer : _____

Field salesman : _____

Date : _____

The following information will be required for planning the compressed air station :

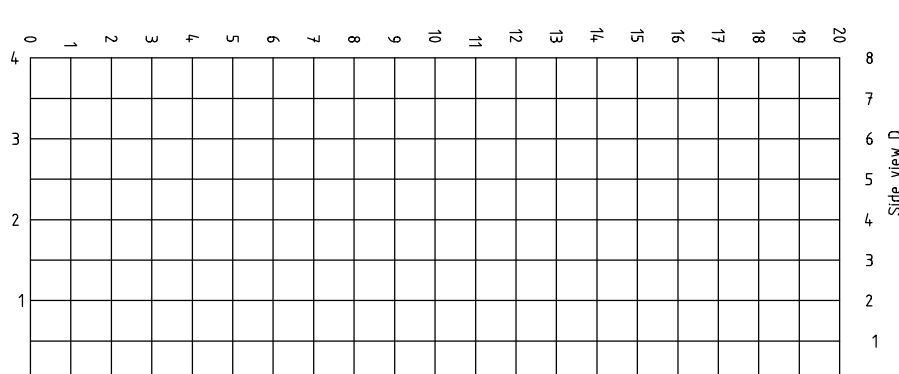
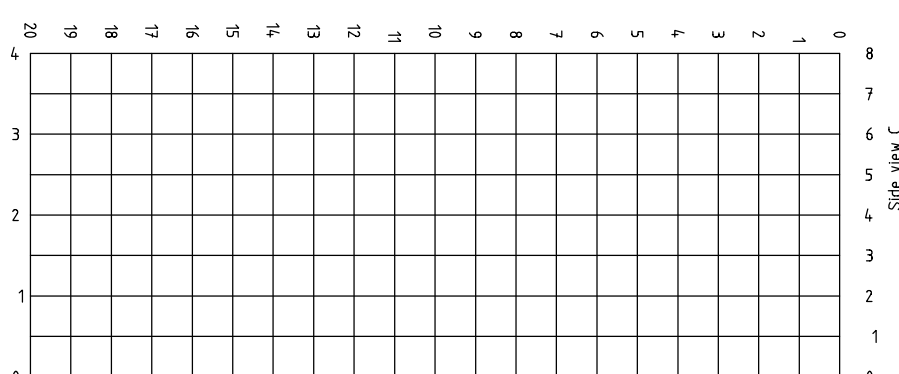
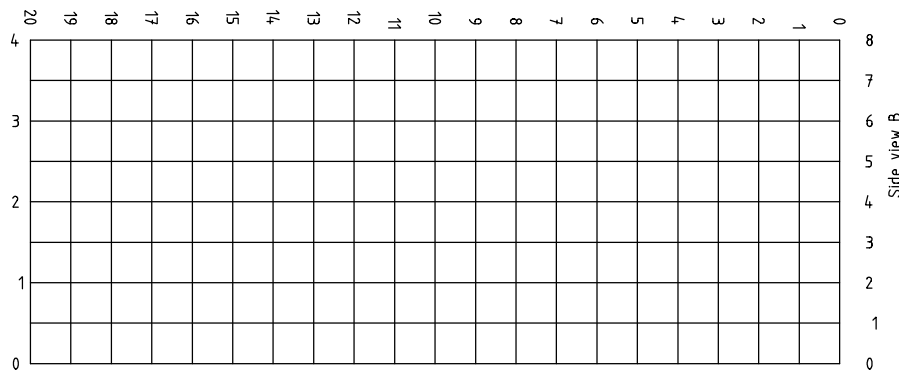
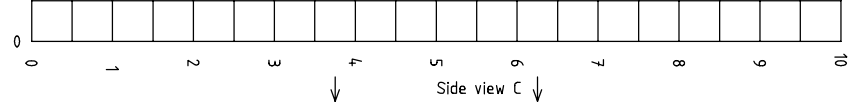
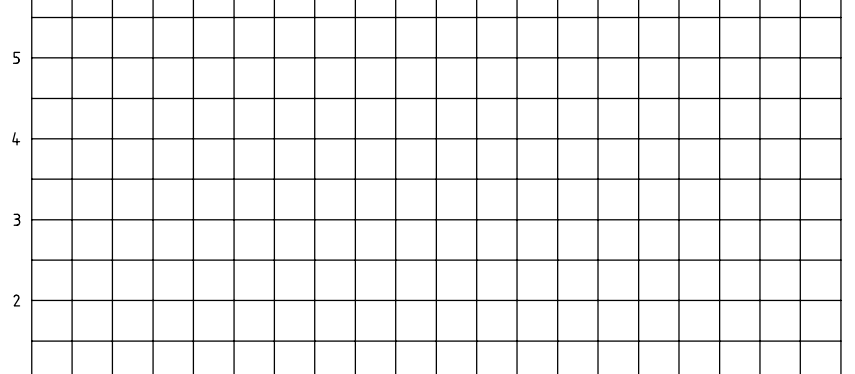
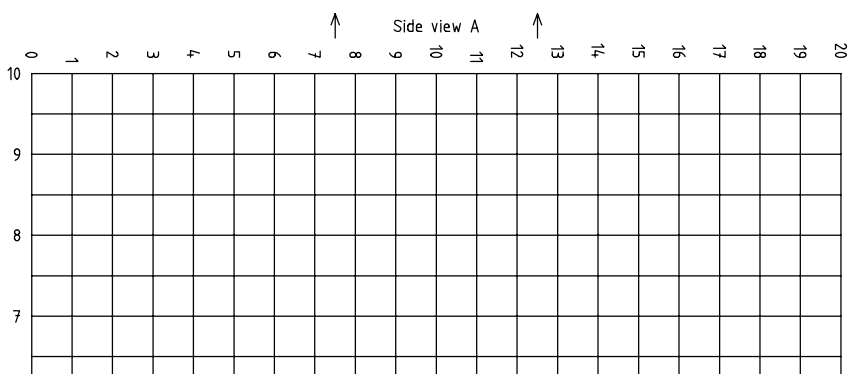
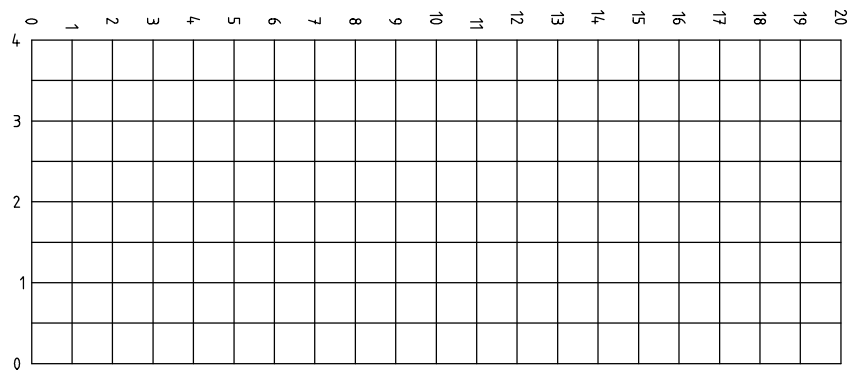
Compressed air components (requested or agreed place)

- AD Desiccant dryer
- AQ Aquamat (Oil / Water separator)
- DB Air receiver
- K Compressor
- T Refrigeration dryer
- WK Heat recovery

Compressor room

- AK Exhaust air duct
- AO Exhaust air opening
- AW Waste water connection (to be provided by the customer)
- DL Compressed air connection (to be provided by the customer)
- EA Electrical connection (to be provided by the customer)
- FE Window
- FW Fresh water connection (to be provided by the customer)
- TU Door
- ZK Air inlet duct
- ZO Air inlet opening

The dimension rows are indicated in meters. The dimension rows which are not requested / required must be deleted. Walls etc. have to be hatched or coloured.

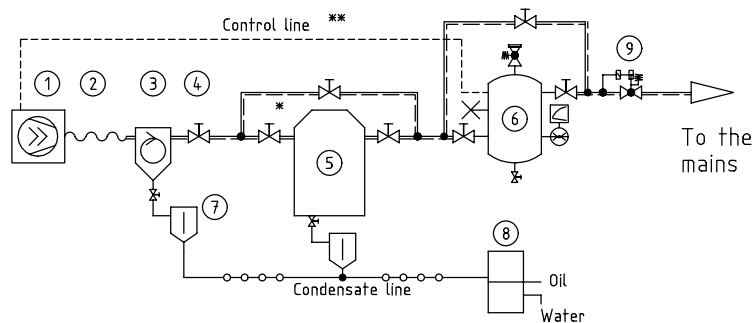
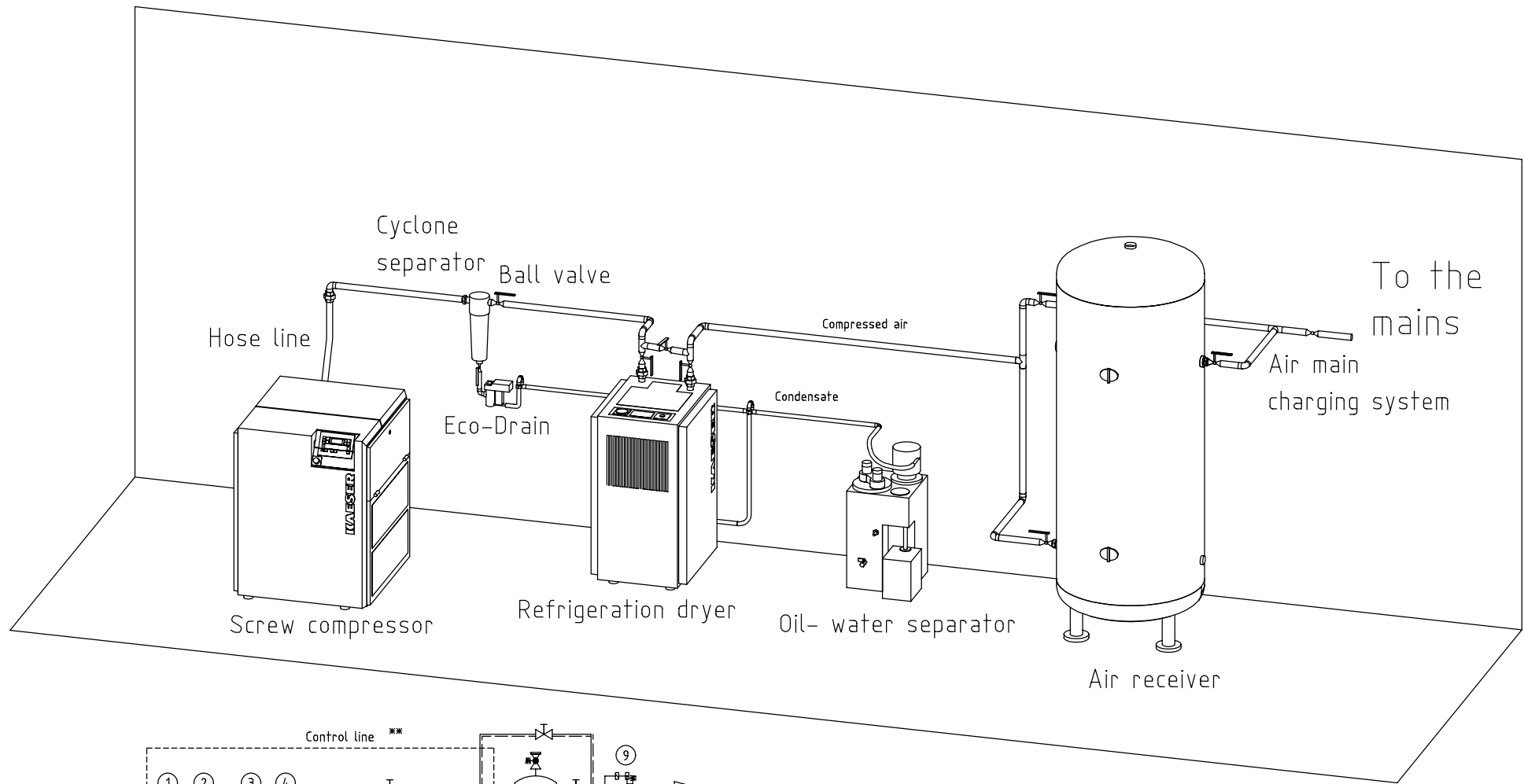


Contained in the drawing are components to be installed by the user. The provisions of EN 1012 (UVV VBG 16 / 13.4 compressors from 01.01.1997) must be observed. We refer especially to para. 13-17 UVV (accident prevention regulation) National safety and accident prevention regulations must be observed.

KAESER KOMPRESSOREN	P + I	Scale	2000	Date	Name
	Inst.	:		15.11.	Teubl
Name Installation proposal			Plan No. AC000604		
Diemensioning of place of installation			Page 2 of 2		



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Ambient temperature
 min.: + 3° C
 max.: + 40° C

Contained in the drawing are components to be installed by the user.

The provisions of EN 1012 (UVV VBG 16 / 13.4 compressors from 01.01.1997) must be observed. We refer especially to para. 13-17 UVV (accident prevention regulation)

National safety and accident prevention regulations must be observed.

Legend

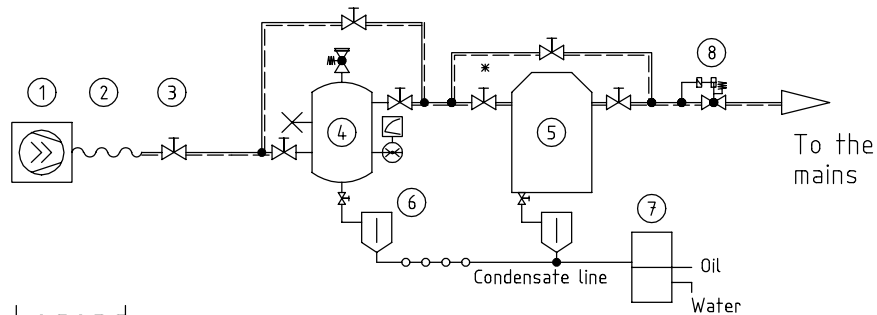
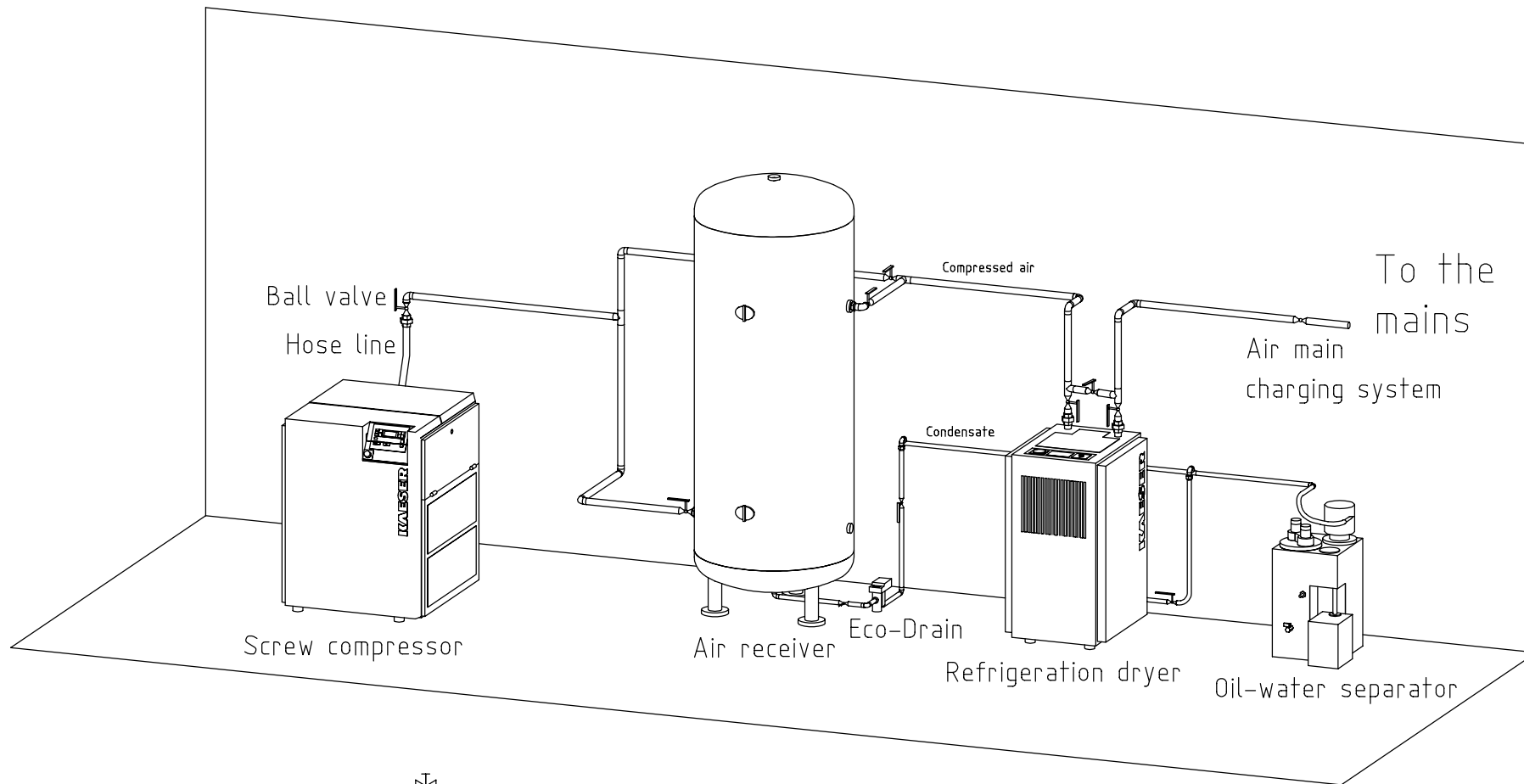
- | | |
|-----------------------|----------------------------|
| 1 Screw compressor | 6 Air receiver |
| 2 Hose line | 7 Autom. condensate drain |
| 3 Cyclone separator | 8 Oil- water separator |
| 4 Ball valve | 9 Air main charging system |
| 5 Refrigeration dryer | |

*Bypass lines should not be fitted on standby units or when 100 % compressed air quality is required

** To ensure trouble - free operation of the compressor package an external pressure switch fitted on the air receiver should control the compressor package.

KAESER KOMPRESSOREN	P + I	Scale	2000	Date	Name
	Inst.	:	Drawn	14.11.	Großer
			Provided		
Name			Plan No.		
Installation proposal Simple installation proposal (compressor, ZK, dryer, receiver)			MU01201e		
			Page 1 of 1		

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Ambient temperature
min.: + 3° C
max.: + 40° C

Legend

- | | |
|--------------------|----------------------------|
| 1 Screw compressor | 5 Refrigeration dryer |
| 2 Hose line | 6 Autom. condensate drain |
| 3 Ball valve | 7 Oil- water separator |
| 4 Air receiver | 8 Air main charging system |

* Bypass lines should not be fitted on standby units or when 100 % compressed air quality is required

Contained in the drawing are components to be installed by the user.

The provisions of EN 1012 (UVV VBG 16 / 13.4 compressors from 01.01.1997) must be observed. We refer especially to para. 13-17 UVV (accident prevention regulation)

National safety and accident prevention regulations must be observed.

KAESER KOMPRESSOREN	P + I <input checked="" type="checkbox"/>	Scale :	2000	Date	Name
	Inst. <input checked="" type="checkbox"/>		Drawn	15.11.	Großer
			Provided		
Name Installation proposaql Simple installation proposal compressor, receiver, dryer			Plan No. MU01301e		
			Page 1 of 1		

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1.4.