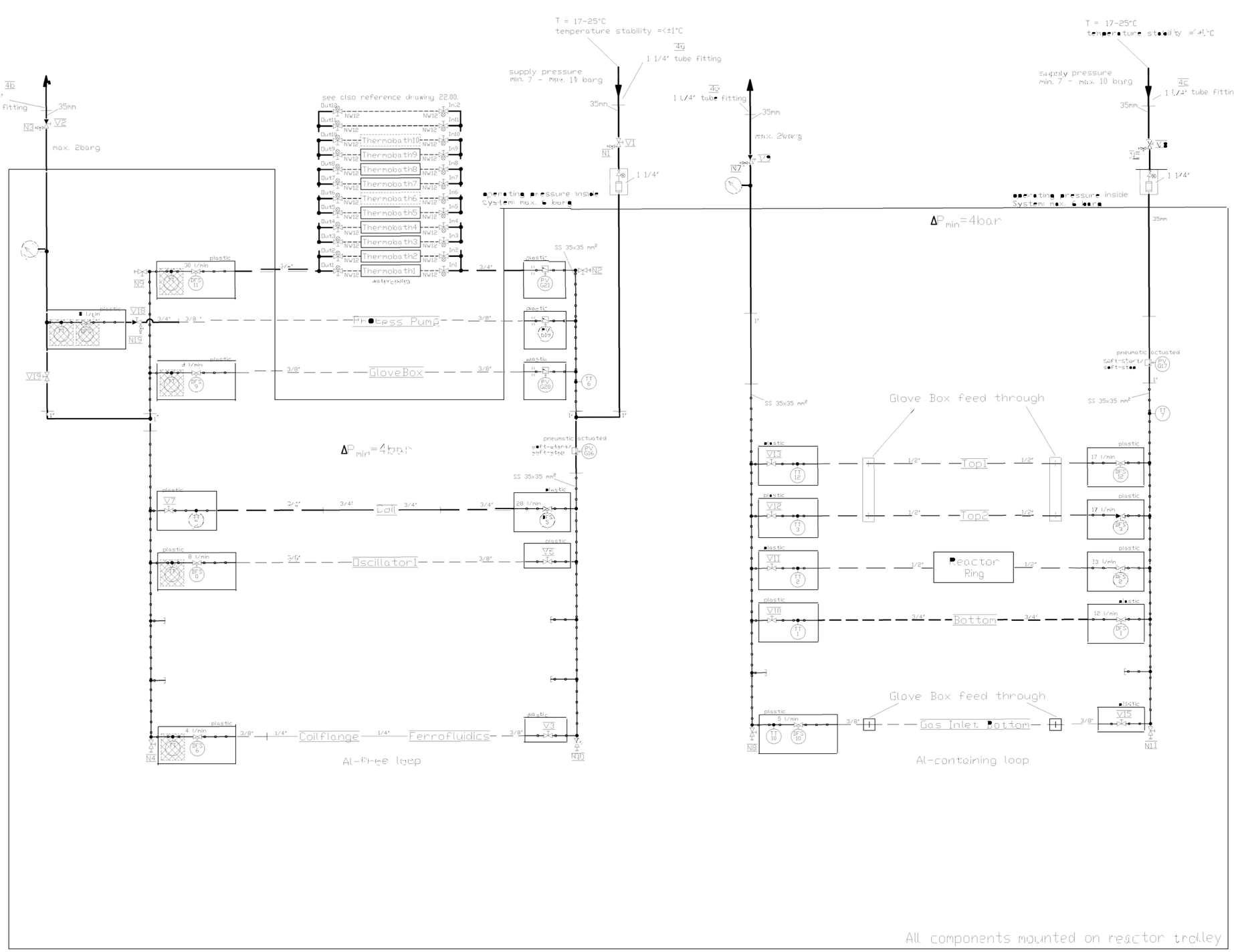

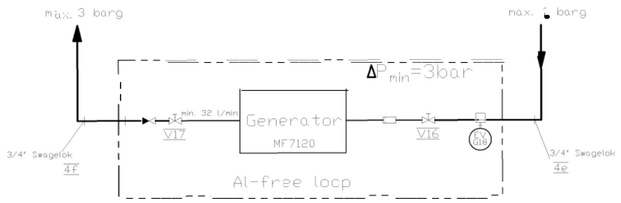

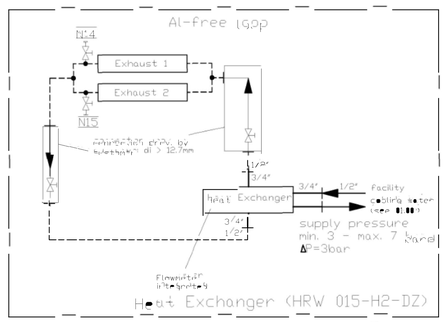

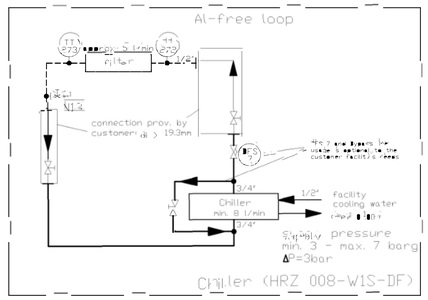

tube
- 1/4"
- 35mm
- 1" (28mm)
- 3/4" (22mm)
- 1/2" (15mm)
- SS 35x35mm²

hoses
- 3/4"/NW 19
- 1/2"/NW 12
- 3/8"/NW 10
- 1/4"/NW 6

Vessel Valve
High Shock Valve
High Purity DFS
Varivel Valve
High Purity DFS
Manual Valve
Non Disassembly-Type Valve
Check Valve
Manual Ball Valve
Drain DFS
Manual Valve
Drain Valve

Water filter with pressure adjusting and equalizing system
Sight Point
Flowmeter with limit Switch, with inner diameter 4mm (plastic) range flow 1-11 l/min
2/2 Way Valve no
2/2 Way Valve nc
Flow restrictor

Pressure Indicator
Temperature Transmitter/transducer
Electromagnetic
Pneumatic Valve
Temperature Indicator

Plastic
Functionality ensured by external diameter 8 mm (inner diameter 3/4")
Manual Valve
Drain Valve
Spare Connection
Interface
"Spare"
"Space"

Cooling flow requirements:
Max +/-10% permitted deviation from nominal value except otherwise specified (defined deviation include facility supply deviations)

Index	Modification	Date	Name
4	Released	26.09.22	F
3	Released	02.09.22	ALoer
2	Released	08.04.22	ALoer
1	Released	22.03.22	ALoer
0	Released	25.02.22	ALoer

Rev. Release | Date | Name

Index	Modification	DCN	Date	Name
4	Chiller flow and connections upd. (P37 & Chiller bypass integrated, HE & Chiller supply pressure added			
3	Heat Exchanger and gas inlet cooling loop added, HE & Ferrofluid to Rev. HE			
2	Flow Rates updated			
1	Volumes corrected, updated with ABOUT drawing, Rev. updated			
0	Initial release, chiller & heat exchanger changed to HRW & HRZ, Ferrofluid added, Reactor ring and gas inlet added, Reactor trolley			

Scale:	22.09.22	Mayr	
Checked:	22.08.22	Mayr	
Drawn:	22.03.22	ALoer	
Approved:	22.03.22	ALoer	
Replaces:			
Replaced by:			

FINISH
Surface area Ra 3.2
ISO 128
A0
Drawn by: 22.03.22 ALoer
Remove all sharp edges & burrs
Checked:
Standard:
DO NOT SCALE

Material: Rev. 4

Scale:

AIXTRON
CONFIDENTIAL

Title: Cooling System
4a-4f, 5+6
Reference Mark

Drawing number

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