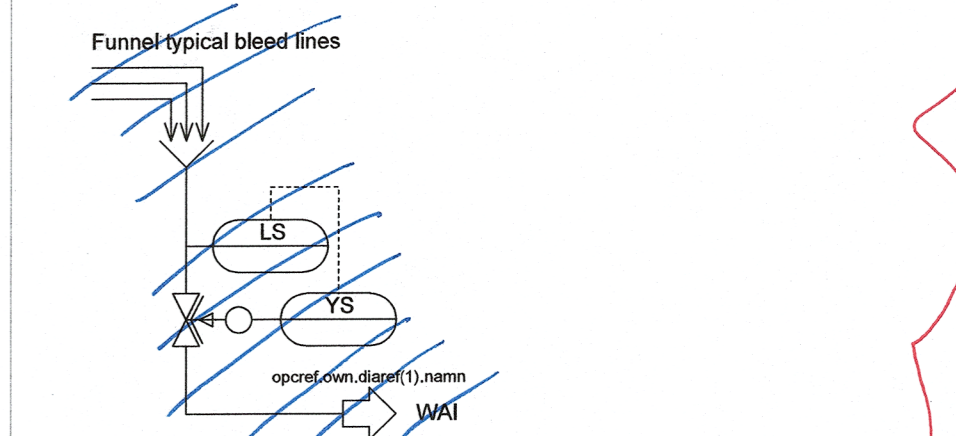


B\_10\_2027, class E

Notes:  
 1) Double block and bleed principle applied at the interfaces between CIP and product, media / buffer, clean utilities. Only double block applied for lines which would lose their sterile status by bleeding.  
 2) Number and location of funnels to be defined in next project phase based on 3D design.

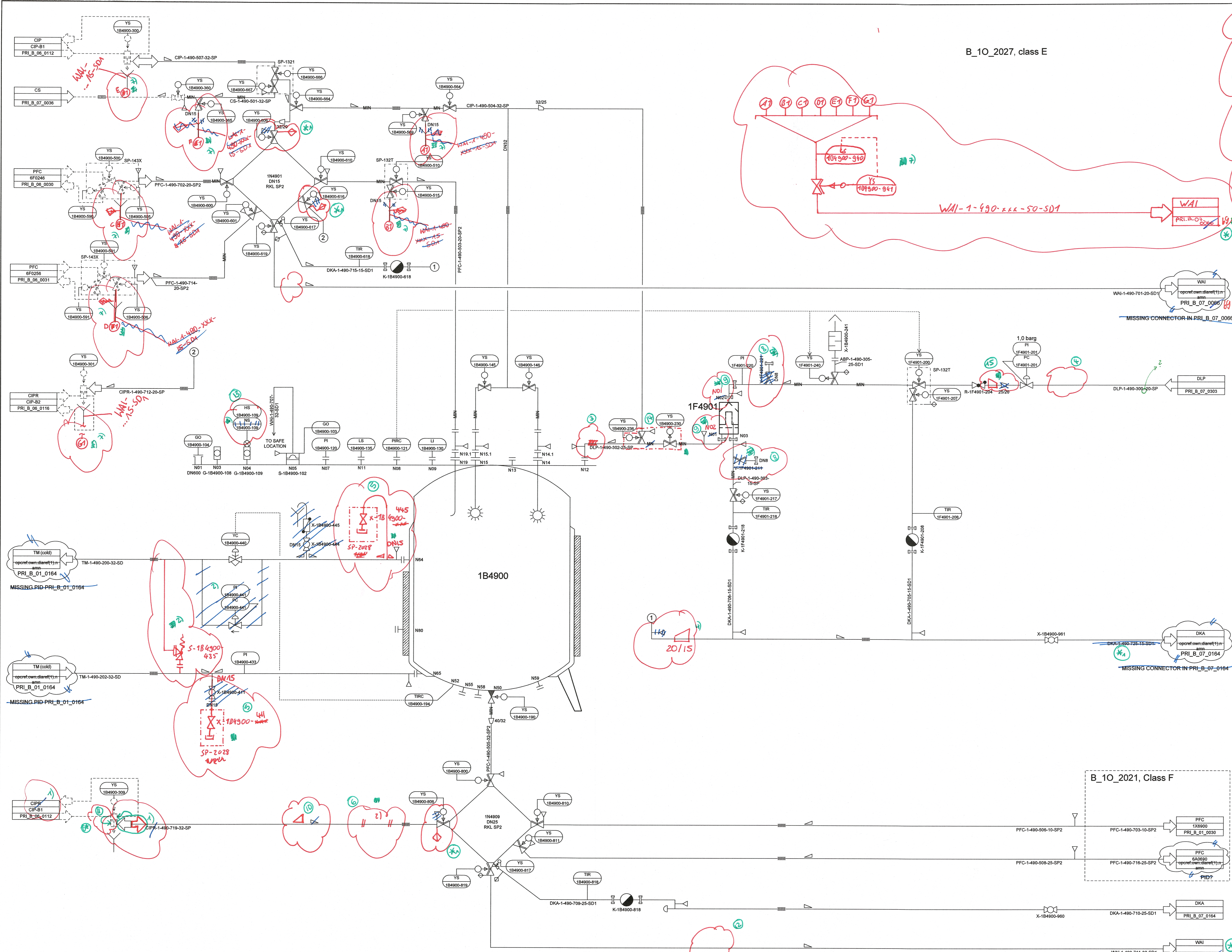


2) spool piece to connect a mobile deaerating skid

Master  
07.06.17 NST

- 1) 12.06.17 NST
- 2) ~~11.07.17 NST~~ / 11.07.17
- 3) ~~11.07.17 THRU~~
- 4) ~~11.07.17 NST~~ 12.6.17 NST
- 5) ~~11.07.17 NST~~
- 6) 11.07.17 NST
- 7) 11.07.17 NST
- 8) 13.07.17 NST
- 9) 13.07.17 NST
- 10) 3.8.17 NST
- 11) 3.8.17 NST
- 12) 12.6.17 NST
- 13) 02.08.17 NST
- 14) 12.06.17 NST
- 15) 12.06.17/NST

03.08.17 NST



TAG-No.	1B4900	1F4901
Name	Buffer Hold Vessel 12	Vent Filter
Design Temperature (°C)	I O -10-150 -10-150 150	
Design Pressure (bar)	I O -1R -17D -1R	
Material of Construction	1.4539	1.4435
Techn. Data	Volume (l) Vol.-Flow (m³/h)	4000 l 55 (Nm³/h)
Dimensions (mm)	D 1600x H 2550	
Special Features		0.2 µm, 1x5 in
Producer/Distrib./Year of Constr.		
Remarks		

B\_10\_2021, Class F

Client: CSL Behring  
 Project No.: 18004

Architect: ANS  
 Hauptstrasse 14, 3076, Worb, Switzerland  
 Telefon: +41 31 838-8080  
 Telefax: +41 31 838-8085

General contractor: M+W Central Europe GmbH  
 Business Unit Life Sciences and Process Facilities  
 Lotterbergstrasse, 30 70499, Stuttgart, Germany  
 Telefon: +49 711 8804-1800  
 Telefax: +49 711 8804-1865

Design Partner: M+W GROUP  
 Project No.: 230499

Client: CSL Behring Recombinant Facility AG  
 Wankdorfstrasse 10, CH-3000 Bern 22, Switzerland  
 Telefon: +49 711 8804-1800  
 Telefax: +49 711 8804-1865

Architect: ANS Architekten und Planer SIA AG  
 Hauptstrasse 14, 3076, Worb, Switzerland  
 Telefon: +41 31 838-8080  
 Telefax: +41 31 838-8085

General contractor: M+W Central Europe GmbH  
 Business Unit Life Sciences and Process Facilities  
 Lotterbergstrasse, 30 70499, Stuttgart, Germany  
 Telefon: +49 711 8804-1800  
 Telefax: +49 711 8804-1865

Design Partner: M+W GROUP  
 Project No.: 230499

Client: CSL Behring RCF Project Lengnau  
 Project No.: 18004

Release Name: DATE: 03.08.17 NST

Archiving FLAG (REV CL 2 & 3):

DATE OF IMPRESSION:

REVISIONS:

REV	DATE	DESCRIPTION
01	03.08.17	Update after APD
02	03.08.17	Update - information to APD
03	03.08.17	Update - information to APD
04	03.08.17	Update - information to APD
05	03.08.17	Update - information to APD
06	03.08.17	Update - information to APD
07	03.08.17	Update - information to APD
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99	03.08.17	Update - information to APD
100	03.08.17	Update - information to APD