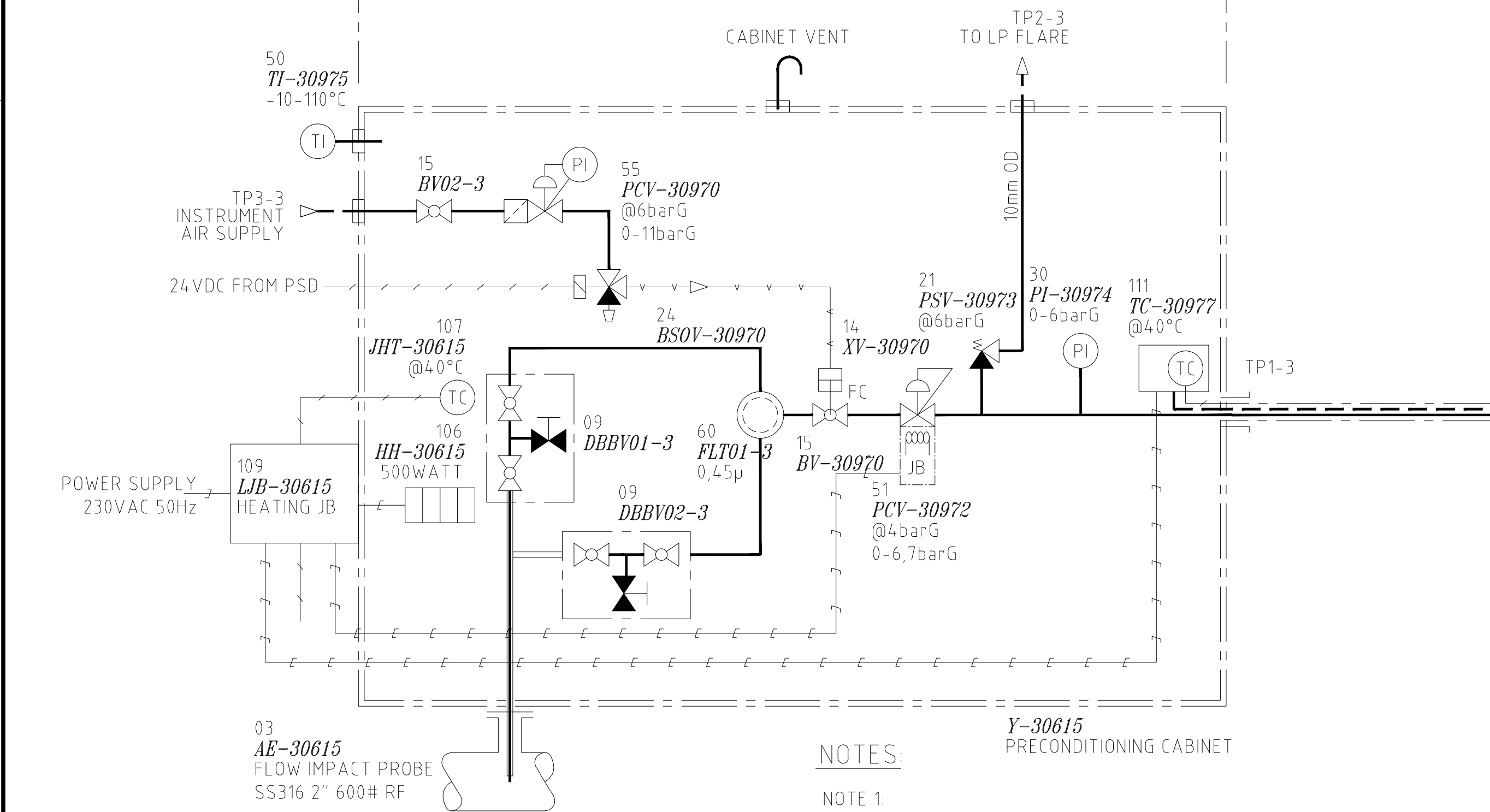


<b>AT-30615</b> WOBBE INDEX ANALYSER		
Des. Pres.: Barg	50	
Des. Temp.: °C	-46/+90°C	
	Min.	Max.
Oper. Pres.: Barg	34.5	47.7
Oper. Temp.: °C	27	47
Viscosity cP	0.012	0.013
Density kg/m3	29.82	47.8
Molecular weight	16.94	21.73



#### NOTES:

- NOTE 1:  
- OUTLET OF FLAMMABLE AIR/GAS MIXTURE  
VENT TO BE LOCATED AT SUITABLE LOCATION
- NOTE 2:  
- OUTLET OF COMBUSTED, NON FLAMMABLE, GAS  
VENT TO SAFE LOCATION  
NO BACKPRESSURE ALLOWED. MINIMUM TUBE SIZE 10mmID
- NOTE 3:  
- OUTPUT 1 IS WOBBE SIGNAL.
- NOTE 4:  
- OUTPUT 2 IS SPECIFIC GRAVITY SIGNAL.

- UNLESS OTHERWISE SPECIFIED -
- TUBING : 6 x 1 mm OD (HASTELLOY-C)
  - TUBING : 10 x 1,5 mm OD (HASTELLOY-C)
  - TUBING INSTRUMENT AIR : 8 x 1 mm OD (6MO)
  - TUBING INSTRUMENT AIR : 12 x 1 mm OD (6MO)
  - FITTINGS : PARKER (HASTELLOY-C)
  - FITTINGS INSTRUMENT AIR : PARKER (6MO)
  - THREAD : NPT
  - THREAD SEALS : LOCTITE 567
  - WETTED MATERIALS : SS-316/HASTELLOY-C
  - TAGPLATE MATERIAL : RESOPAL/SS-316

#### CONNECTION LIST

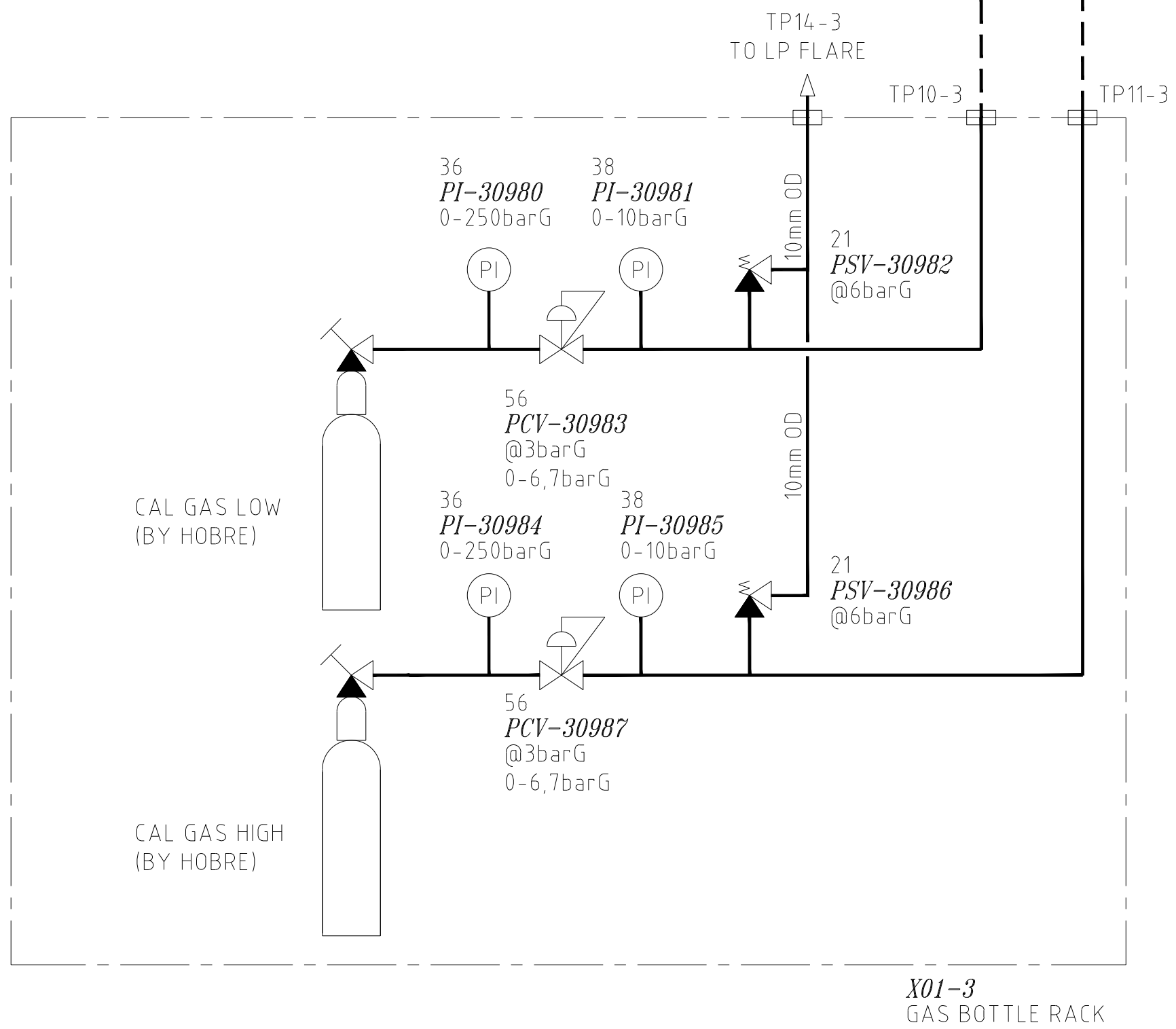
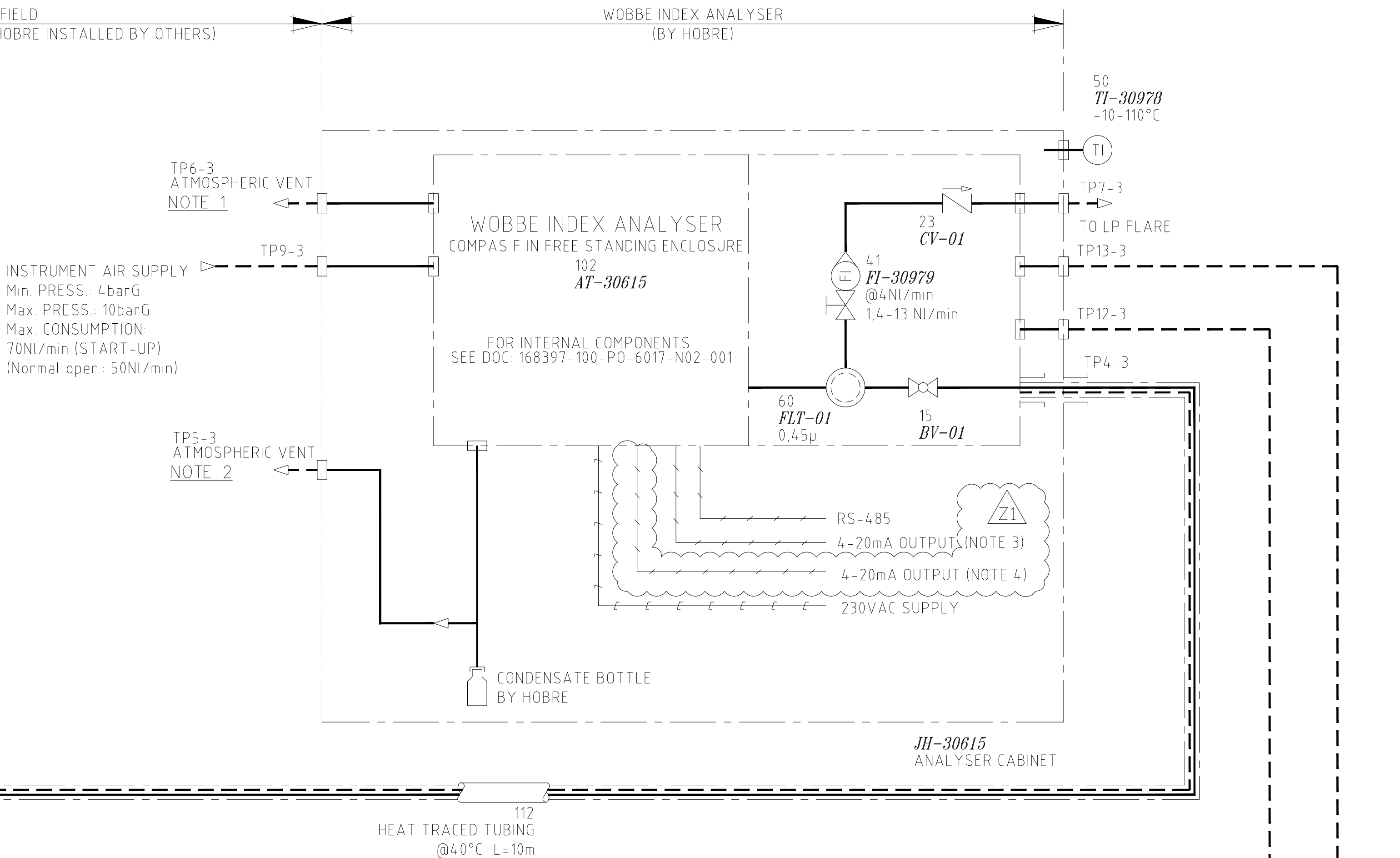
TP1-3	SAMPLE TO SCS	6mmOD	COMPRESSION TYPE
TP2-3	SAMPLE TO LP FLARE	10mmOD	COMPRESSION TYPE
TP3-3	INSTRUMENT AIR SUPPLY	8mmOD	COMPRESSION TYPE
TP4-3	SAMPLE FROM PCS	6mmOD	COMPRESSION TYPE
TP5-3	SAMPLE TO ATMOSPHERIC VENT	10mmOD	COMPRESSION TYPE
TP6-3	SAMPLE TO ATMOSPHERIC VENT	10mmOD	COMPRESSION TYPE
TP7-3	SAMPLE TO LP FLARE	10mmOD	COMPRESSION TYPE
TP9-3	PURGE AIR SUPPLY	12mmOD	COMPRESSION TYPE
TP10-3	CAL GAS LOW SUPPLY	6mmOD	COMPRESSION TYPE
TP11-3	CAL GAS HIGH SUPPLY	6mmOD	COMPRESSION TYPE
TP12-3	CAL GAS LOW INLET	6mmOD	COMPRESSION TYPE
TP13-3	CAL GAS HIGH INLET	6mmOD	COMPRESSION TYPE
TP14-3	CAL GAS TO LP FLARE	10mmOD	COMPRESSION TYPE

#### REFERENCE DOCUMENTS:

168397-100-PO-6017-IC2-001  
168397-100-PO-6017-IB1-004/005/013  
168397-100-PO-6017-EE1-003  
168397-100-PO-6017-EE1-011



#### LEGEND:

- PIPE/TUBING
- BY CLIENT
- SIGNAL CABLE
- POWER CABLE
- PNEUMATICS
- TRACED & INSULATED TUBING



SYSTEM EQUIPMENT LIST  
ARRANGEMENT DRAWINGS  
CONNECTION DIAGRAM POWER  
CONNECTION DIAGRAM SIGNAL

Nexen Petroleum (U.K.) Limited Golden Eagle Area Development						
VENDOR : Hobr� Instruments B.V.						
EQUIPMENT TITLE : Analysers						
EQUIPMENT TAG NO(S) : AT-30615						
GEAD Vendor Document Number						
Purchase Order Number			Doc Type Code	Seq. No	Rev.	DATE
168397-100-PO-6017			MC2	002	Z1	23/03/22
INCLUDES DOCUMENT CODES :				TOTAL SHEETS :		
	F	Final (accepted) - manufacturing may proceed.				
	A	Qualified Release - revise and re-submit. Manufacturing may proceed subject to incorporation of comments.				
	R	Rejected - revise and re-submit. Manufacturing may not proceed.				
	I	Accepted for information only.				
Review of Vendor documents does not relieve Vendor of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Vendor and does not relieve the Vendor from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights.						
Z1	23/03/2022	AS-BUILT AS PER GMOC0499	TF	GR	GR	TR
REV	DATE	DESCRIPTION	DRN	CHK	APP	CLT

10-10-17	18-06-17	14-05-17	24-02-17	15-10-17	Date	Principal : NEXEN PETROLEUM UK LTD Project : GOLDEN EAGLE AREA 168397-100-PO-6017	 AMERICAN PROJECTION	Drawn: NJ	Date: 01/12
								Chckd: DGO	Date: 01/12
						Title : P&ID WOBBE INDEX ANALYSER		Appr: BP	Date: 01/12
							AT-30615	Scale : N.T.S.	Size : A2
AS BUILT	REV FINAL	REV FINAL	FINAL	AS BUILT	Description	 <b>Hobré Instruments</b> Purmerend The Netherlands		Drawing No. : 41P10297-D04-002	
05	04	03	02	06	Rev				
						THIS DRAWING IS THE PROPERTY OF HOBRE INSTRUMENTS AND IT MUST NOT BE REPRODUCED OR USED FOR PURPOSES OTHER THAN IT IS SUPPLIED FOR			