



ROMANIAN ENGINEERING AND DESIGN
INSTITUTE FOR OIL REFINERIES
PLOIESTI - ROMANIA

PROJECT SPECIFICATION

NO. 1127.00-36-6002.PS.E

REV.
0

SHEET 1 OF 1

PRESSURE GAUGE

REV.	DATE	BY	CH'D	APP'D
0	09.2014	MDA	RSC	DCR

JOB: 14-IPIP-001(1127/2014)

CUSTOMER: BURGASNEFTEPROEKT EOOD / S.C. PETROTEL-LUKOIL S.A.

UNIT: DELAYED COKING UNIT

1 MANUFACTURER	LATER	10 ELEMENT MATERIAL:	BRONZE ☐ MONEL ☐
2 MODEL	LATER		AISI 316 SS STAINLESS STEEL ☒
3 TYPE	INDICATING ☒ RECEIVER ☐	OTHER	
4 MOUNTING	SURFACE ☐ LOCAL ☒	11 SOCKET MATERIAL	BRONZE ☐ MONEL ☐
	FLUSH ☐		AISI 316 SS STAINLESS STEEL ☒
5 DIAL DIAMETER	Ø 150mm ☒ OTHER:	OTHER	
6 CASE MATERIAL:	CAST IRON ☐ ALUMINIUM ☐	12 CONNECTION: SEE BELOW TABLE	☒ 1/2" NPT ☐ 1/2" NPT ☐
	OTHER AISI 316 SS		BOTTOM ☒ BACK ☐
7 CASE TYPE:	WEATHER PROOF ☒ IP 65 ☐ SLIP ☐	13 MOVEMENT:	BRONZE ☐ NYLON ☐
	SCREWED RING TYPE ☐ OTHER:		AISI 316 SS STAINLESS STEEL ☒
8 PRESS. ELEMENT	BOURDON ☒ BELLOWS ☐	OTHER	
9 GUARANTEED ACCURACY	0.5% OF THE SCALE RANGE	14 LIQUID FILLING: ☒ TYPE	
		15 DIAPHRAGM SEAL: ☒	FLANGED ☒ THREAD ☐
		WETTED PART MATERIAL:	AISI 316 SS
		FILL FLUID:	MFR'S STD.
		PROCESS CONN.:	SEE BELOW TABLE GAGE CONN.:
		CAPILLARY:	☐ LENGTH (mm)
		CAPILLARY ARMOR MATERIAL	

REV	QUANT.	TAG No.	RANGE [barg]	OPERATING CONDITIONS			SERVICE	PROCESS CONN.	WETTED PARTS MATERIAL	DESIGN COND		NOTES
				PRES Barg	TEMP [°C]	MEDIUM				PRES Barg	TEMP °C	
0	1	02-PI-702-1	0 + 6	2.62	377	Vacuum Residue+Recycle	Before Filter 02-F200A	DN50 PN40 B1	AISI 316 SS	5.11	430	1,2,3
0	1	02-PI-702-2	0 + 6	2.47	377	Vacuum Residue+Recycle	After Filter 02-F200A	DN50 PN40 B1	AISI 316 SS	5.11	400	1,2,3
0	1	02-PI-703-1	0 + 6	2.62	377	Vacuum Residue+Recycle	Before Filter 02-F200R	DN50 PN40 B1	AISI 316 SS	5.11	430	1,2,3
0	1	02-PI-703-2	0 + 6	2.47	377	Vacuum Residue+Recycle	After Filter 02-F200R	DN50 PN40 B1	AISI 316 SS	5.11	400	1,2,3
0	1	02-PI-704-1	0 + 6	2.47	377	Vacuum Residue+Recycle	Suction Recirculating Pump 02-P200A	DN50 PN40 B1	AISI 316 SS	5.11	430	1,2,3
0	1	02-PI-704-2	0 + 10	5.32	377	Vacuum Residue+Recycle	Discharge Recirculating Pump 02-P200A	DN50 PN40 B1	AISI 316 SS	8.5	400	1,2,3
0	1	02-PI-705-1	0 + 6	2.47	377	Vacuum Residue+Recycle	Suction Recirculating Pump 02-P200R	DN50 PN40 B1	AISI 316 SS	5.11	430	1,2,3
0	1	02-PI-705-2	0 + 10	5.32	377	Vacuum Residue+Recycle	Discharge Recirculating Pump 02-P200R	DN50 PN40 B1	AISI 316 SS	8.5	400	1,2,3

REMARKS: Material Certificate Acc. EN 10204 Type 3.1.

1. INSTRUMENTS SHALL COMPLY WITH IPPI-S.A. STD. SPEC. No.

OR

2. INSTRUMENTS TO BE INSTALLED ACCORD. TO IPPI-SA STD. DWG. No.

OR

3. INSTRUMENTS ARE ACCORDING TO PIPING & INST. DIAGRAM No.

1127.00-30-0393.03-6 6/10

NOTES:

1. Diaphragm seal will be provided with orifice flushing in complete with plug (drain/vent 1/2" NPT).
2. Pressure gauge will be liquid filled for vibration protection and provided with pulsation dampener.
3. Sulphur content: 2.5+4 %wt; presence of coke fines.
4. AMBIENT TEMPERATURE: -26.6+39.9°C.