



**P-3001 A/B**  
STABILIZED METHANOL PUMP

Vnom	451m <sup>3</sup> /h
dp	8.6 bar
pe max	13.15 bar

**AE-3001**  
PRERUN COLUMN CONDENSER

A	70172 m <sup>2</sup>
Tube - pe *	3.5/-1 bar
side t *	150 °C
x	= MECH.DESIGN

**P-3002 A/B**  
PRERUN COLUMN REFLUX PUMP

Vnom	177m <sup>3</sup> /h
dp	4.1 bar
pe max	8.4 bar

**D-3002**  
PRERUN COLUMN REFLUX VESSEL

Vnom	25 m <sup>3</sup>
od	2200 mm
ITL-TL	6000 mm
pe x	3.5/-1 bar
t x	150 °C
x	= MECH.DESIGN

**E-3004**  
OFF GAS COOLER

A	126 m <sup>2</sup>
Shell - pe *	3.5/-1 bar
side t *	150 °C
Tube - pe *	7.5 bar
side t *	100 °C
x	= MECH.DESIGN

- REMARKS:
- ALL PRESSURES ARE IN GAUGE  
IF NOT STATED OTHERWISE
- 1) AVOIDANCE OF CONDENSATE
  - 2) DELETED.
  - 3) DELETED.
  - 4) AUTO START
  - 5) DELETED.
  - 6) DELETED.
  - 7) HIGH/LOW ALARM ON CONTROLLER OUTPUT
  - 8) VIBRATION SWITCH AT AIR COOLER  
FANS IS USED, CONNECTION  
DIRECTLY IN MOTOR - OFF LINE
  - 9) L=50 M DOWNSTREAM OF PUMP,  
START/STOP/AUTOSTART APPLIES TO  
AE-3001-M1...M5 + M8  
STOP ONLY APPLIES TO  
AE-3001-M6, M7, M9, M10
  - 10) LOCATED IN MCC

9	R.P	21.06.13	A.R	M.N	21.06.13	Asbuilt	REVISED AS MARKED
8	E.G	22.04.06	S.R	A.R	25.04.06	AFC	ISSUED AS PER OWNER'S REQUEST
7	E.G	21.11.03	S.R	M.M	22.11.03	AFC	REVISED AS MARKED (NO ISSUE)
6	E.G	15.08.03	S.R	M.M	16.08.03	AFC	REVISED AS MARKED
5	E.G	01.05.03	S.R	M.M	02.05.03	AFC	REVISED AS MARKED (FROZEN)
4	E.G	11.11.02	S.R	M.M	13.11.02	AFC	AFC WITH HOLD

REV.	LF/PS	NAME	DATE	NAME	DATE	STATUS	KIND OF REVISION

NO COMMENT  
 COMMENTS AS MARKED. FABRICATION CAN PROCEED ACCORDINGLY. REVISED DOC'T TO BE ISSUED EITHER FOR REVIEW OR AS FINAL CERTIFIED. HOWEVER ZAGROS WILL CHECK THIS REVISED DOCUMENT FOR PROPER INCORPORATION.  
 REJECTED DOCUMENT TO BE REISSUED.  
 USE FOR INFORMATION ONLY.

ZAGROS REVIEW & COMMENTS DOES NOT ABSOLVE THE VENDOR OF THE RESPONSIBILITY FOR THE CORRECT DESIGN, MANUFACTURING AND OPERATION OF EQUIPMENT.

ZPC PROJ.NO.	40404777	DWG. NO.	P-30-1-PR-003	REV.	9
PIDEC PROJ.NO.	1175				

SCALE: ORIGINAL SIZE  
 NOMINATION: E-1004  
 P-3001 A/B D-3002  
 P-3002 A/B AE-3001  
 BASIC DOCUMENT:  
 DCC DG DL-NO.  
 JOB NAME: MEGA METHANOL IRAN  
 LURGI JOB NO: 16966601  
 LURGI DOCUMENT NO: 37303  
 REV: 9  
 pipe/6966601/ru/dwg.2-635 d-37303.pid 025 09.04.06 GHAVANINI PSDWKS3

**METHANOL DISTILLATION**  
**PRERUN COLUMN REFLUX**  
**UNIT 300**  
**P&I DIAGRAM SHEET 303**