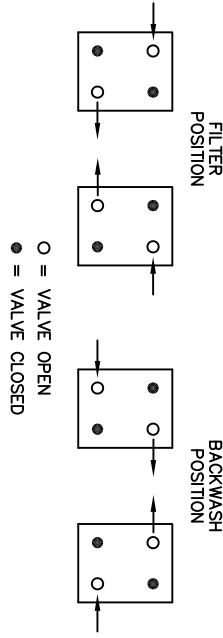


PLANT NORTH

FLOW DIAGRAM



PEP FILTERS
322 ROLLING HILL RD. - WOODBRIDGE, N.C. 2817
(704) 862-3133 FAX (704) 862-3185
COMPONENTS ARE AVAILABLE FOR CONSTRUCTION AND OPERATION FROM
MATERIALS SUPPLIER. SEE DRAWING FOR MATERIALS LIST. PERMISSION FROM
PEP FILTERS IS REQUIRED WITHOUT WRITTEN PERMISSION FROM

PROJECT TITLE:
GAS Jubail Phase-VIII Project

SHEET CONTENT:
GA DRAWING
(Model : Dual BMF-90)

<p>Samsung Engineering Co., Ltd. Seoul, Korea</p>		<p>National Industrial Gases Co. (GAS) Jubail, Kingdom of Saudi Arabia</p>			
<p>Saudi Basic Industries Corporation Engineering and Project Management Jubail, Kingdom of Saudi Arabia</p>		<p>Saudi Basic Industries Corporation Engineering and Project Management Jubail, Kingdom of Saudi Arabia</p>			
REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
1	23-DEC-10	FOR FINAL			
0	23-NOV-10	FOR APPROVAL			
D	05-OCT-10	FOR APPROVAL			
C	23-JUL-10	FOR APPROVAL			
B	24-JUN-10	FOR APPROVAL			

<p>VESSEL #1 ASME NAMEPLATE DETAIL</p>		<p>VESSEL #2 ASME NAMEPLATE DETAIL</p>	
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- NOTES:**
- MAX. FLOW RATE OF EACH VESSEL: 871gpm [197.8m³/h] (1742gpm [395.6m³/h] total)
 - BACKWASH FLOW RATE RANGE OF FILTER: 662-883gpm [150.4-200.6m³/h]
 - WORKING PRESSURE: 150psig [10bar] ASME
 - TANK CONSTRUCTION: SA516-70 CARBON STEEL
 - MEDIA LOADING (PER VESSEL): UNIFILL 475: 88.0 CU.FT. [2.5m³] (176 BAGS) UNIGRAN 50: 100.0 CU.FT. [2.8m³] (200 BAGS)
 - USE GRADE 5 STEEL WEDGE STUD TYPE ANCHORS
 - WEIGHTS: SHIPPING: ~52000(LBS) [23637KGS] OPERATING: ~85000(LBS) [38637KGS]
 - PLEASE REFER TO CODE CALCULATIONS DOC. NO. MEF501-81-Q-9029-IN FOR DESIGN DATA
 - MATERIAL LIST: FACE-PIPPING: SA-106 B SKID: SA-36 LEGS: SA-36
 - NOZZLE SCHEDULE: REFER TO DATASHEET
 - SHELL/HEAD THICKNESSES: 1/2" (12.7mm)
 - SHELL I.D.: 89" (2260.6mm)
 - HEAD TYPE: ASME 2:1 ELLIPTICAL
 - APPLICATION CODE: PEP STANDARD
 - ANCHOR BOLT DRAWING - ATTACHED