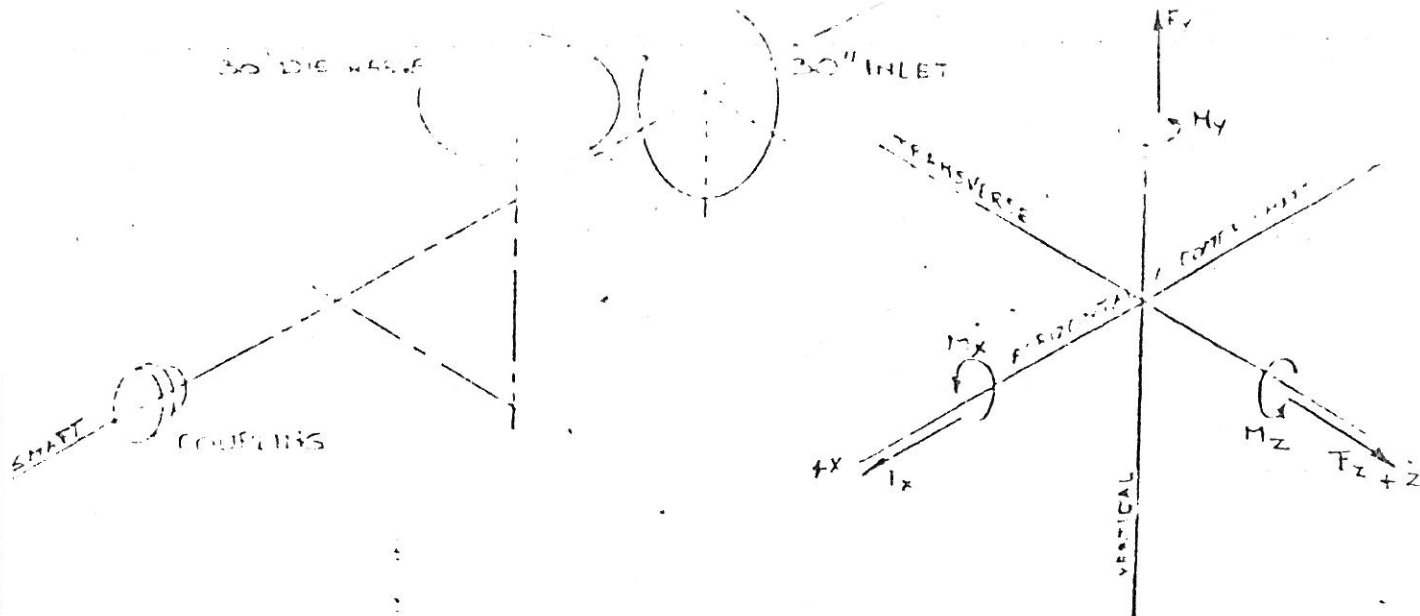




The total resultant force and total resultant moment imposed on the nozzle by the piping must not exceed the following:

$$F + 1.1 M = K$$

	k:		k:
inlet	20760		FIN
discharge	20760		
			DATE:

FINAL

DATE: 5 NOV 1981

F = resultant force, including pressure forces where unrestrained expansion joints are used at the connection, K.

M = resultant moment, N.m.

The combined resultants of the forces and moments on the inlet and discharge nozzles, resolved at the centreline of the inlet nozzle must not exceed the following conditions:

A. The resultant must not exceed: $P_c + 1.7 M_c = 20720$

F_c = combined resultant of inlet and discharge forces, N.

Mc = combined resultant of inlet and discharge moments and moments resulting from forces, N.m.

B. The components of these resultants must not exceed:

$$F_x = 82.40 \text{ N.}$$

$N_x = 12620 \quad N.m.$

$$F_4 = 80720 \text{ N.}$$

M.Y. = 6210 N.H.

$$\Gamma_7 = 16450 \text{ K.}$$
$$P_x = 1.310 \text{ N.m.}$$

x : horizontal, parallel to shaft

y : vertical

z : horizontal , at right angles to shaft

C.J.B. drwg. no.: 4110/C-430/11A

GREEK PETROCHEMICALS SA

ITEM NO: C-430

CJB PURCHASE ORDER NO:

ACHELOOS ESTUARY - GREECE

CJB PROJECT NO: 4110 4110/A/430/01

					TITLE				HENGELD 101 HOLLAND SHT No 1 OF 1	
					Allowed piping forces on compressor nozzles.					
A	CJB Drwg no added	4/1/81	JW	JW						
CHG	ALTERATIONS	DATE	BY	CHK	MADE	G.I.		ISSUED	G.I.	No C026124 B001