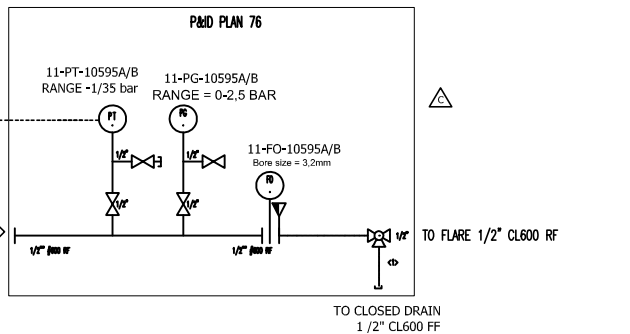
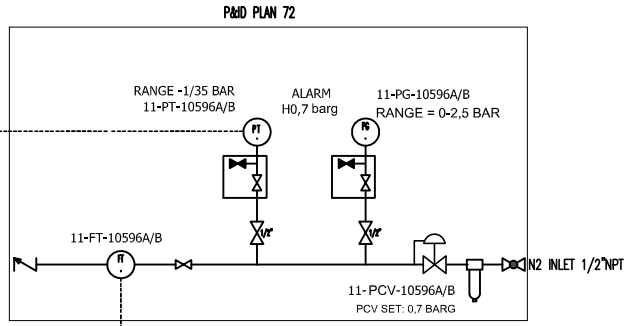
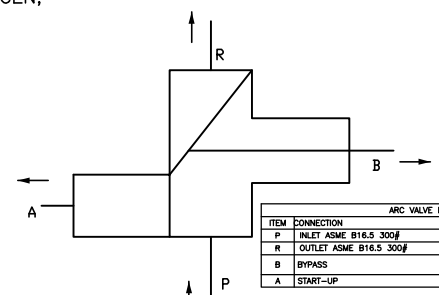


INSTRUMENT TAG NO.	PUMP	11-P-105A	11-P-105B
PLAN 72	NIT	1/2"	1/2"
	PCV	10596A	10596B
	PG	10596A	10596B
	P T	10596A	10596B
	FT	10596A	10596B
PLAN 76	FO-2	10595A	10595B
	PG	10595A	10595B
	P T	10595A	10595B
	BD	1/2"	1/2"
	CD	1/2"	1/2"



OPERATING AND DESIGN CONDITIONS FOR NITROGEN,
 OT : AMB (MAX 48°C) / OP :8.6 barg
 DT : 85°C / DP : 16 barg

ARC VALVE



ITEM	CONNECTION	SIZE / SCH.	TYPE
P	INLET ASME B16.5 300#	NPS 6 / SCH40	RF FLG
R	OUTLET ASME B16.5 300#	NPS 6 / SCH40	RF FLG
B	BYPASS	NPS 3 / SCH40	RF FLG
A	START-UP	-	-

AUXILIARY CONNECTIONS			
ITEM	CUSTOMER CONNECTION POINTS	SIZE / SCH.	TYPE
SF	SUCTION CLASS 300# END FLANGE	NB 10"	RF FLG
DF	DISCHARGE CLASS 300# TOP FLANGE	NB 6"	RF FLG
N3	FROM DISCHARGE, 300# (WITH ORIFICE & GASKETS)	.50" SCH 160	SWRF
N4	PLAN72	.50"	PIPING
N5	PLAN 76	.50" SCH 80	SWRF
D1	DRAIN(WITH VALVE), PUMP CASE, 300#	.75 SCH 160	SWRF
D2	DRAIN, BEARING BRACKET, LUBE OIL	.50"	NPT
P2	BEARING TEMP SENSOR (RTD)	.5"	NPT
NIT LINE		.5"	NPT
BD LINE		.5"	NPT

ITEM	DESCRIPTION	SIZE
GV-1	GATE VALVE, CASE DRAIN	3/4"-SW,800#
GV-2	GATE VALVE, CONTAINMENT SEAL DRAIN	1/2"-SW,800#

- LEGENDS**
- LIMIT OF SCOPE
 - GATE VALVE
 - CHECK VALVE
 - FLANGE CONNECTIONS
 - FLOW ORIFICE
 - CUSTOMER SCOPE

- NOTES:**
- LOCAL BEARING TEMPERATURE MEASURING POINT -PLUGGED
 - ONLY ONE RTD CONNECTION
 - FO TAG NUMBER -11-FO-10551A/B

APPROVAL DRAWING NOTES

- PURCHASER'S COMMENTS AND/OR CORRECTIONS, WITHIN THE SCOPE OF CONTRACT, WILL BE MADE ON THE FIRST COMPLETED CERTIFIED DRAWING SUBMITTED BY TURBO TECH PUMP DIVISION AND RETURNED FOR CORRECTION.
- CORRECTIONS, ALTERATIONS, ADDITIONS AND/OR MODIFICATIONS OUTSIDE SCOPE OF CONTRACT OR MADE AFTER FIRST SUBMITTAL, WILL REQUIRE AN ENGINEERING SERVICE CHARGE AND MAY CHANGE PRICE.
- ITEMS CONDITIONALLY APPROVED OR NEEDING DEFERRED APPROVAL BY PURCHASER, MUST BE SPECIFICALLY STATED. DELIVERY MAY BE AFFECTED.

Approval and Revision Table

Rev.	Date	Description	By	Appr.
01	05/12/2023	ISSUED FOR APPROVAL	SAS	JST
02	07/12/2023	ISSUED FOR APPROVAL	SAS	JST
03	08/16/2023	ISSUED FOR APPROVAL	SAS	JST
04	10/19/2023	ISSUED FOR APPROVAL	SAS	JST
05	09/19/2023	ISSUED FOR APPROVAL	SAS	JST

PROJECT: HENGAM FERTILIZER PROJECT

CLIENT: Turbo Tech FZE

ITEM: PID FOR AMMONIA BOOSTER PUMPS (11-P-105AB) SCE 10X6X26 PUMP

SCALE: NTS

DATE: 24/09/2023

PROJECT NO.: 7404800353

REV.: 04

AX: AX

APP.: 1

DATE: 04

NO.: 002