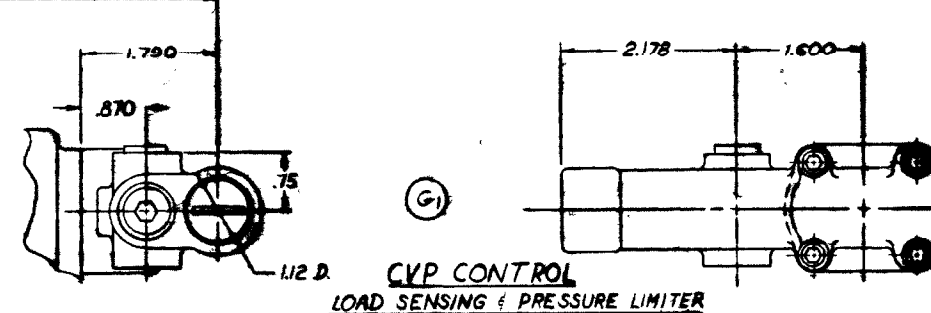
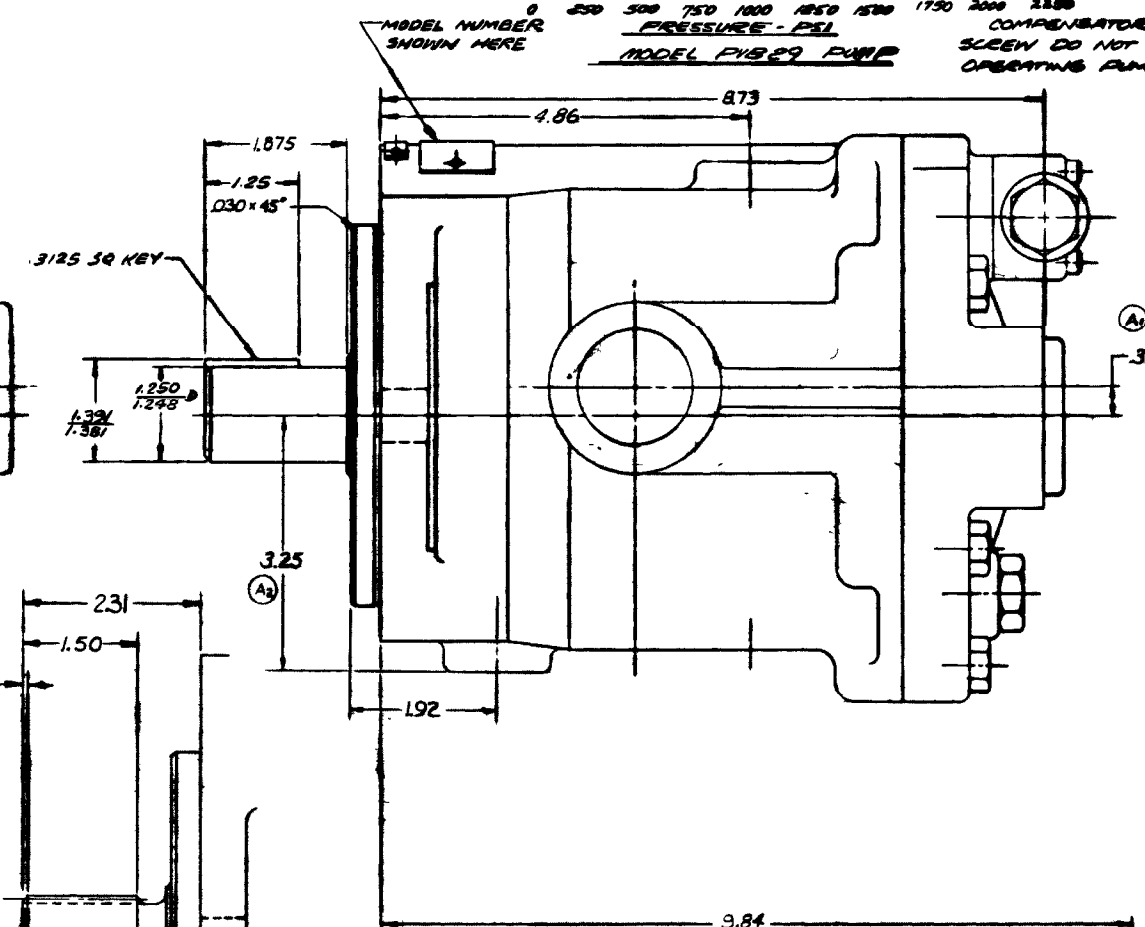
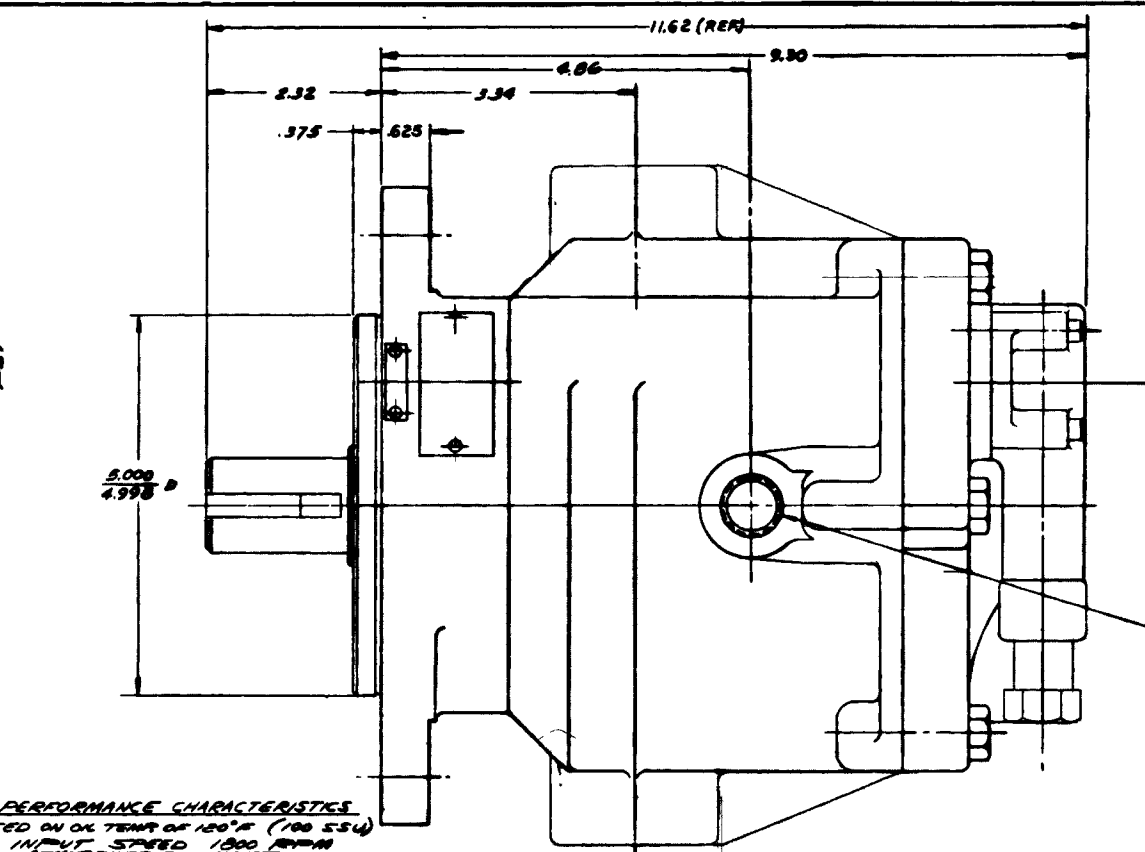
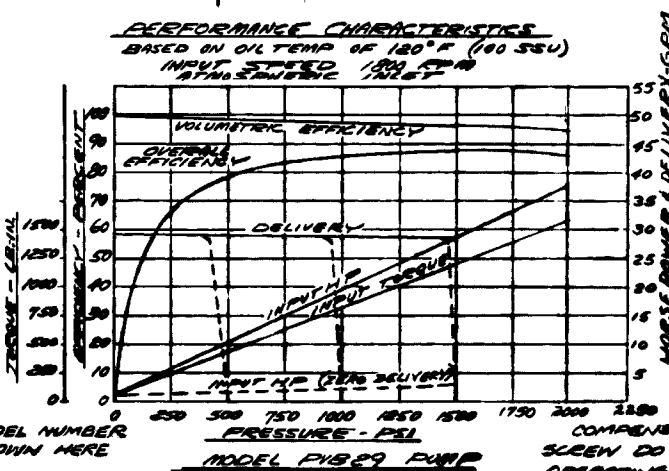
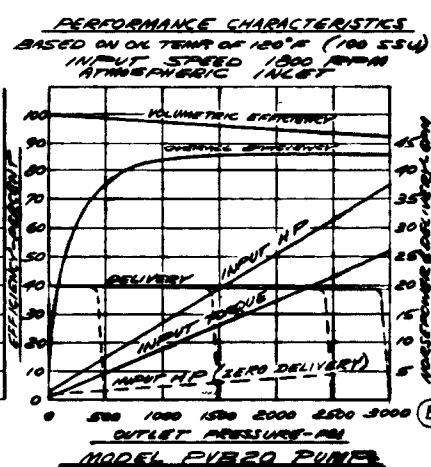
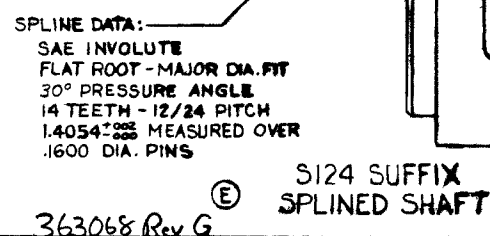
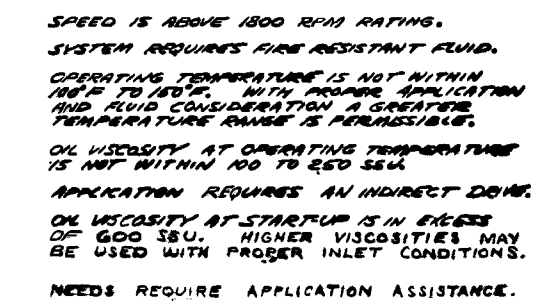




OPERATION:
THE COMPENSATOR IS DESIGNED TO AUTOMATICALLY ADJUST THE PUMP
FLOW TO MAINTAIN A PRE-ADJUSTED PRESSURE SETTING. THE MINIMUM PRESSURE
SETTINGS ARE LISTED BELOW. THE PUMP DISPLACEMENT BEGINS TO REDUCE
TO ZERO AT APPROX 30 PSI BELOW THE COMPENSATOR SETTING. SHAFT
ROTATION IS AS TABULATED AND IS NOT REVERSIBLE

INSTALLATION:
A FULL SIZE UNRESTRICTED CASE DRAIN LINE
MUST BE CONNECTED DIRECTLY TO THE RESERVOIR IN SUCH A MANNER THAT THE
HOUSING REMAINS FILLED WITH FLUID AT ALL TIMES. THE FLUID IN THE HOUSING
PROVIDES LUBRICATION FOR THE INTERNAL PARTS. THE HOUSING MUST BE
FILLED WITH OIL AT ALL TIMES WHILE OPERATING THE UNIT. USE THE CASE
DRAIN CONNECTION TO FILL THE HOUSING.

FLUID NO. 00000

CLEAN PETROLEUM OIL MEETING OR EXCEEDING LUBRICATING QUALITIES OF SAE 10W MEETING API SERVICE CLASSIFICATION MS (MAXIMUM SEVERITY) IS RECOMMENDED. VISCOSITY RANGE 160-225 SSU AT 100°F

FILTRATION (PRESSURE OR RETURN LINE RECOMMENDED)-----25 MICRONS
WEIGHT, DRY (APPROX)-----54 LB

WEIGHT, DRY (APPROX.)	_____	SIZE	_____
OPERATING SPEED	_____	- MAX. ATMOSPHERIC	1800 RPM
		MAX. S'CHARGED	2400 RPM

MINIMUM INLET PRESSURE ———— SEE INLET PRESSURE CURVE

VOLUMETRIC EFFICIENCY @ 1800 RPM & 1500 PSI ————— APPROX 97%

PV820	PV829
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THEORETICAL DISPLACEMENT PER REVOLUTION @ FULL STROKE —		(8)	2.61 CU.IN.	3.76 CU.

MAXIMUM PRESSURE	3000 PSI	2000 PSI
INPUT HORSEPOWER - 1500 PSI @ 1800 RPM	20 HP	25 HP

.750-16 UNF-28
SAE O'RING BOSS CONNECTION
2 PLACES
50.0 D.TUBING
PUMP

P1520-(P15-20-C(44))-11

DESIGN NUMBER - CONTROL
SUBJECT TO CHANGE
INSTALLATION DIMENSION STAYS SAME AS
STANDARD DESIGN NUMBERS 10 THRU 19

OTHER CONTROLS OR OPTIONS
L- LEFT HAND LOCATION VIEWING SHAFT END

COMPENSATOR VARIATIONS
 D - DUAL-RANGE (ELECTRIC CONTROL - 115V - 60 CYCLE)
 DM - DUAL-RANGE (HYDRAULIC CONTROL)
 M - INTERMEDIATE PRESSURE RANGE (150-1500 PSI)
 G - HYDRAULIC REMOTE (C)
 VP - LOAD SENSING & PRESSURE LIMITER (C)

CONTROL TYPE
C-PRESSURE COMPENSATOR
250-3000 PSI-20 GPM (B)
250-2000 PSI-25 GPM

DESIGN NUMBER - PUMP
SUBJECT TO CHANGE - INSTALLATION DIMENSIONS
REMAIN AS SHOWN, FOR DESIGN NUMBERS 20 THRU 29

SWASH PLATE MOVEMENT
S - ONE SIDE OF CENTER

DS-1064 FOR "CG" CONTROL MODELS
CONNECT TO PRESSURE CONTROL, SUCH AS C-175.

ADJUSTMENT PROCEDURE FOR "CG" MODELS

1. TURN PRESSURE CONTROL (SUCH AS C-175) DOWN TO MINIMUM SETTING.

2. TURN COMPENSATOR ADJUSTMENT PLUG TO DESIRED MINIMUM PRESSURE (250 PSI OR HIGHER)

3 FULL PRESSURE RANGE CAN NOW BE OBTAINED
WITH PRESSURE CONTROL.

1.625-12 N 28
SAE D RING BOSS
CONNECTION-2 PLACES
1.25 O.D. TUBING

REVISONS				DATE	APPROVED
BY	ZONE	DESCRIPTION			
A1	B	PINTLE BOSSIES MOVED TO 30 ON OPR. SAME OF		1/24/82	BC
A2	A	3.25 WAS 2.00		1/25/82	BC
C	2C	3000 RSI WAS 2500 RSI - 3 PLS. (PVB200)		1/25/82	BC
C	2C	C2C MODEL 35 WAS 35 (BC)		1/25/82	BC
A	1A	NOTE ADDED FOR HWBP		1/25/82	BC
A	1A	24 SUFFIX ADDED		1/25/82	BC
F	1C	QS-1244 WAS "B-27" MTP		1/25/82	BC
G	3A	BCVP CONTROL ADDED		1/25/82	BC
	2C	BLANDED VMP TO MODEL CODE		1/25/82	BC

MODEL NUMBER	SHAFT ROTATION	OUTLET PORT
PVB20-FRS-20-CR-11	RT. HAND	"A"
PVB20-XLS-20-CR-11	LEFT HAND	"B"

UNLESS OTHERWISE SPECIFIED		MFG. P/N <u>209-000-20</u> C# <u>11</u> QTY <u>16</u> <u>3/11/78</u> <u>12</u>		APPLICABLE P/N SPECIFICATIONS	
SURFACE FINISH		OR F.W.K.		DATE: <u>2-7-80</u>	
2 PLATE DIMENSIONS ± .005		CHK. <u>DATE</u>		DATE: <u>3-7-80</u>	
4 HOLE DIMENSIONS ± .005		PROG. REL. <u>DATE</u>		DATE: <u>3-7-80</u>	
CONCENTRICITY DIM TIR MAX.		STRETCH REVIEW		DATE	
REMOVE ALL SURFS & BREAK ALL EDGES TO RAG.		USED REVIEW		DATE	
MACHINE PER V-S 1-3-4		ENGINE TEST		DATE	
MATERIAL		DATE		DWN. M. CODE	
HEAT TREATING		DATE		QNTY. N. 363068	
QTY <u>10</u>		QTY <u>10</u>		MTC. CALC. SHEET <u>1</u> / <u>1</u>	