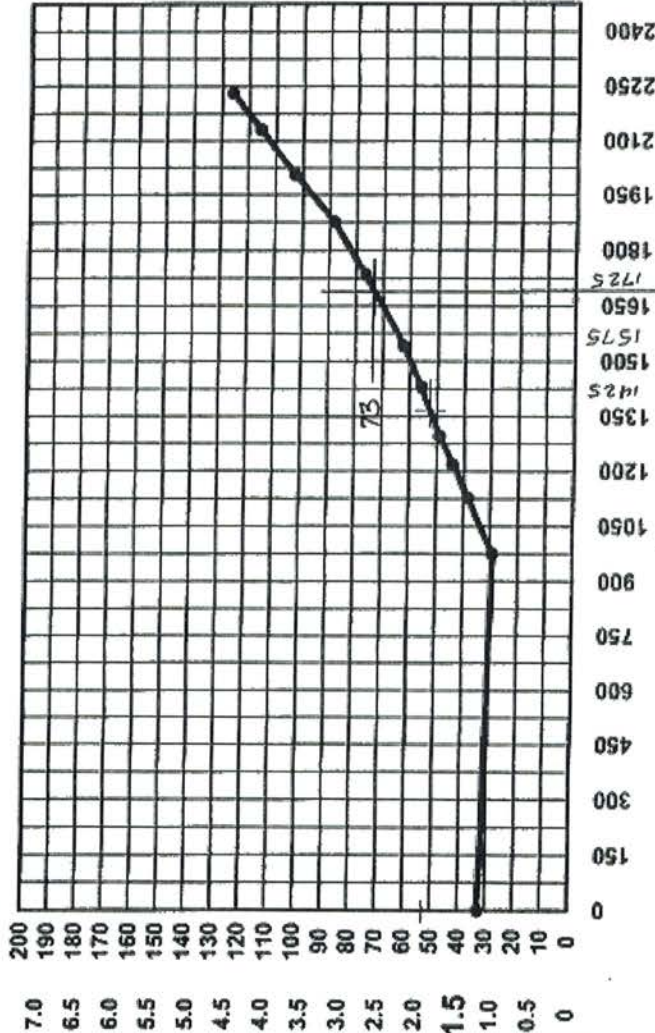


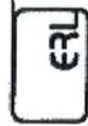
P.S.L.
PRESSURE
IN FEET
OF WATER



$18150 \text{ BBL/hr} \times \frac{42 \text{ gal}}{60 \text{ min}} \times \frac{\text{ft}^3}{7.48 \text{ gal}} = 1699 \text{ ft}^3/\text{min}$
 $73 \text{ in H}_2\text{O} = 2.64 \text{ psi}$

BARRELS PER HOUR	FLOW FT.³ MIN.	PRESSURE IN. OF H ₂ O
10418	974	29.2
12684	1127	38.6
13617	1217	44.2
13682	1296	49.0
15296	1430	55.8
16463	1542	62.6
18547	1734	76.6
20096	1876	86.5
21435	2004	102.8
22783	2130	113.8
23852	2230	126.3

Curve for Pressure Side
6" PV Valve - 1.5 PSI
data based on air flow



**ELECTROMECHANICAL
RESEARCH LABORATORIES, INC.**
P.O. BOX 1008, NEW ALBANY, IN 47151

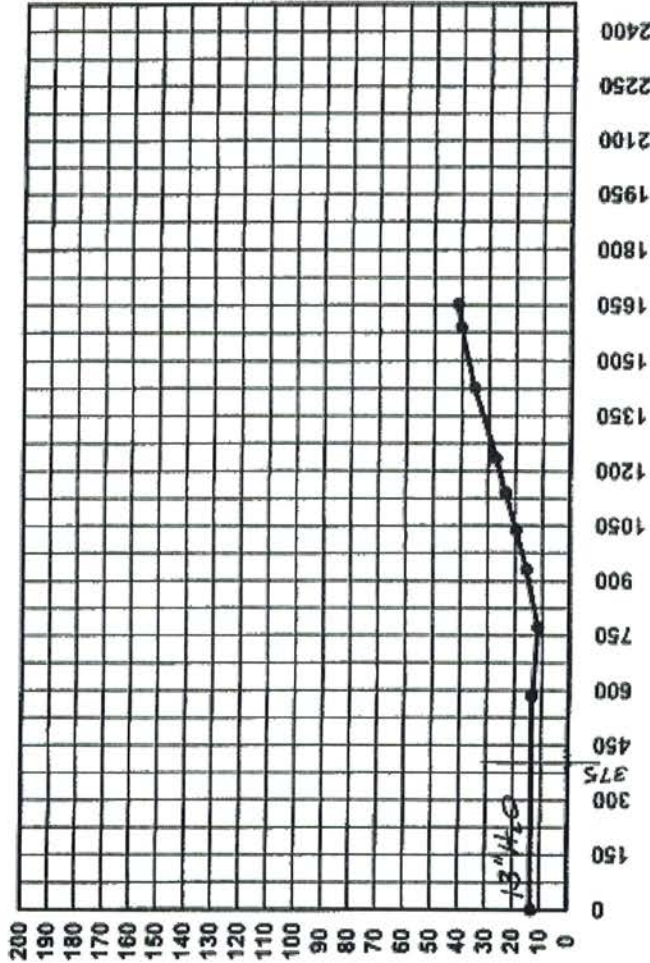
DATE: 5/5/03
TOLERANCE:
0.0 = ±0.030
0.00 = ±0.0015
0.000 = ±0.0005

APPROVED
SCALE

JOB NO

PART NAME: Flow Curve, 1.5 PSI, Pressure
UNIT NAME: Marine 6" PV (MD II)
DWG NO: 1250125B
ITEM NO:

PSI
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0



BARRELS PER HOUR	FLOW FT. ³ /MIN.	PRESSURE IN. OF H ₂ O
6260	585	13.6
8256	772	11.8
9858	931	10.0
11100	1038	19.9
12187	1141	23.7
13287	1235	27.5
15252	1426	35.5
17003	1590	40.4
17874	1653	41.7

Curve for Vacuum Side
6" PV Valve - 0.5 PSI
data based on air flow

FLOW IN FT.³/MIN.

$$4300 \text{ bbl/hr} \times \frac{42 \text{ gal}}{\text{bbl}} \times \frac{\text{ft}^3}{7.48 \text{ gal}} \times \frac{\text{hr}}{60 \text{ min}} = 402 \text{ ft}^3/\text{min}$$

$$13 \text{ in H}_2\text{O} \times 0.3613 = 0.47 \text{ psi}$$



ELECTROMECHANICAL
RESEARCH LABORATORIES, INC.

P.O. BOX 1026, NEW ALBANY, IN 47181

DATE 11/28/01

ORIGIN D. URBAN

PART NAME Flow Curve, 0.5 PSI, Vacuum

APPROVED

UNIT NAME Marine 6" PV (MD II)

TO: ERANCE
0.0 = +/- 0.035
0.00 = +/- 0.015
0.000 = +/- 0.005

JOB NO

DWG NO. 332M075B

ITEM NO.