



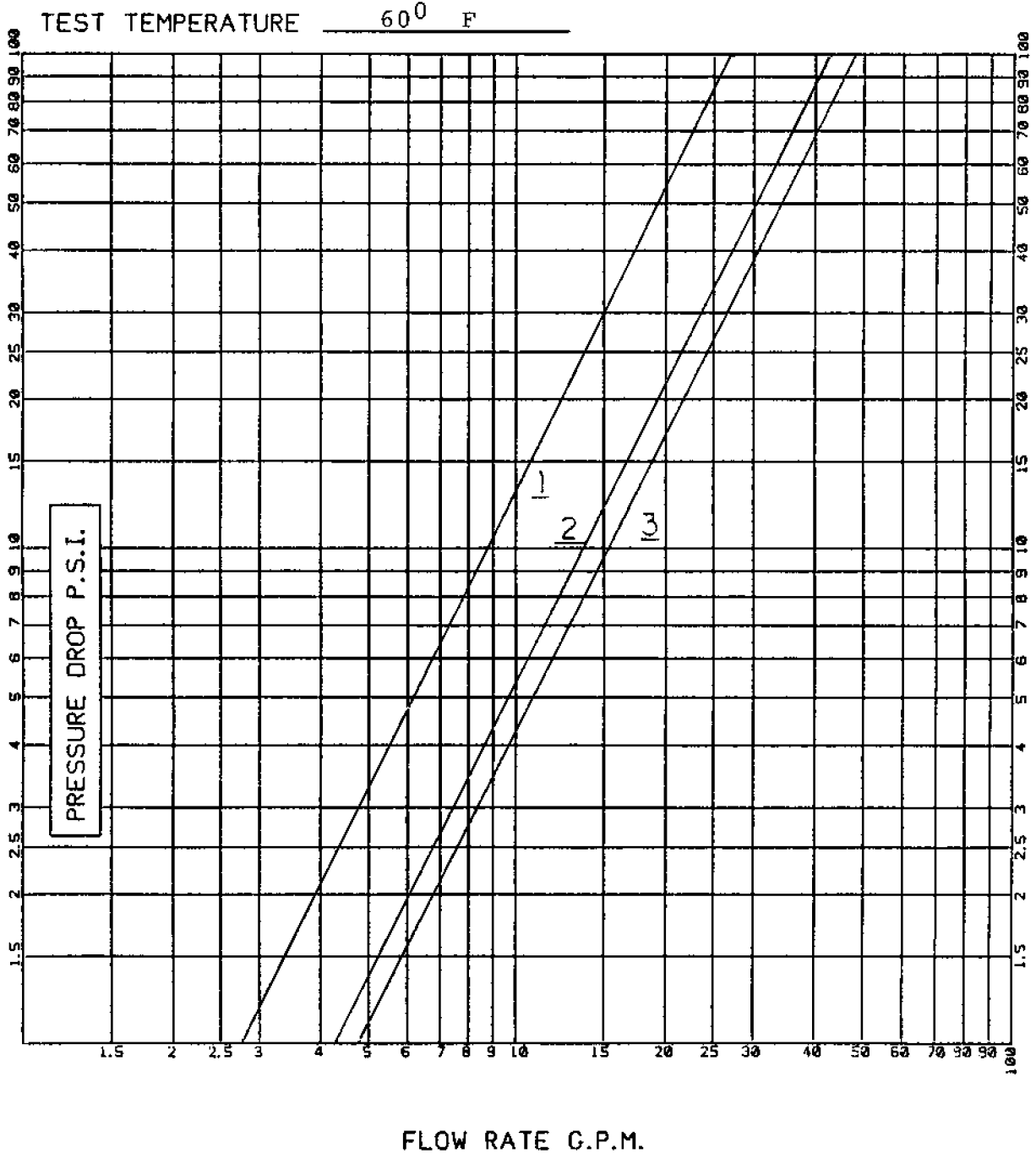
VALVE MODEL: 1500

DATE: 5-14-90

Cv SERVICE: 4.8 (3)

Cv BACKWASH: 2.7 (1)

COMMENTS: Control Valve and 3/4" Meter Cv 4.3 (2)



VALVE FLOW DATA NO. 1500

VALVE MODEL: 2500

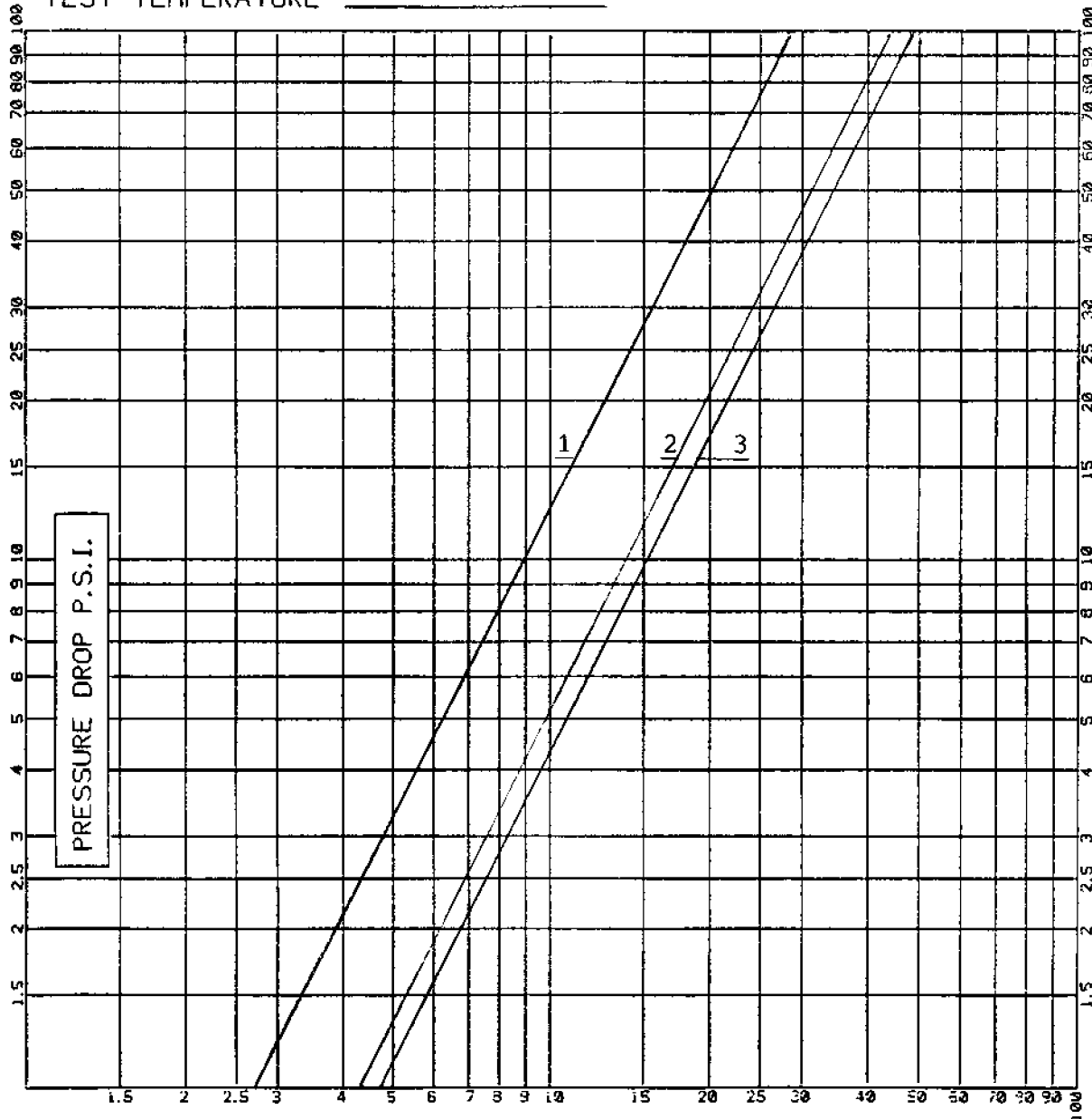
DATE: 5-14-90

CV SERVICE: 4.8 (3)

CV BACKWASH: 2.7 (1)

COMMENTS: Valve and 3/4" Meter Cv 4.3 (2)

TEST TEMPERATURE 60° F



FLOW RATE G.P.M.

VALVE FLOW DATA NO. 2500



VALVE MODEL: 2700

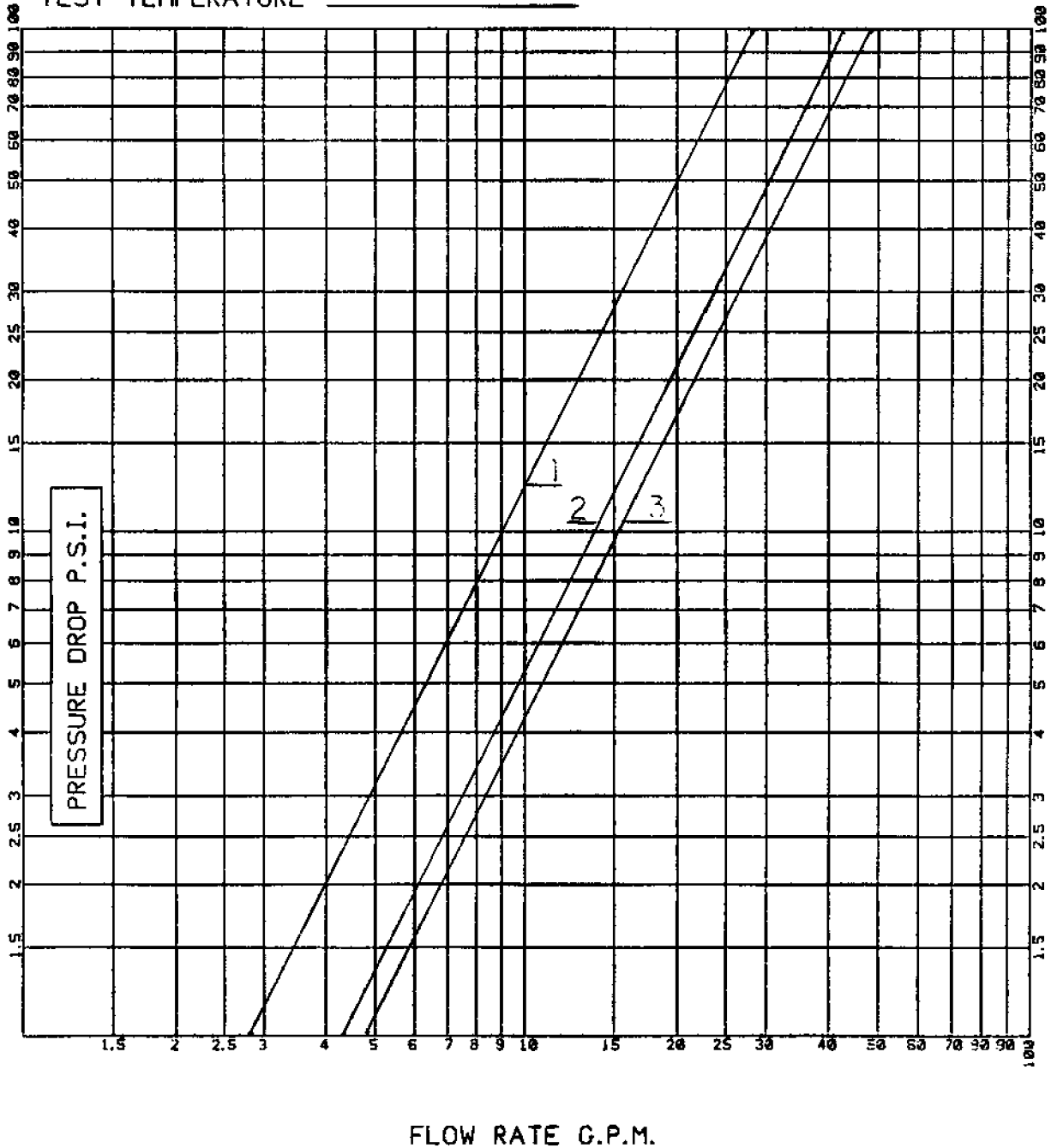
DATE: 5-14-90

Cv SERVICE: 4.9 (3)

Cv BACKWASH: 2.8 (1)

COMMENTS: Control Valve and 3/4" Meter Cv 4.3 (2)

TEST TEMPERATURE 60<sup>0</sup> F



VALVE FLOW DATA NO. 2700

VALVE MODEL: 2750

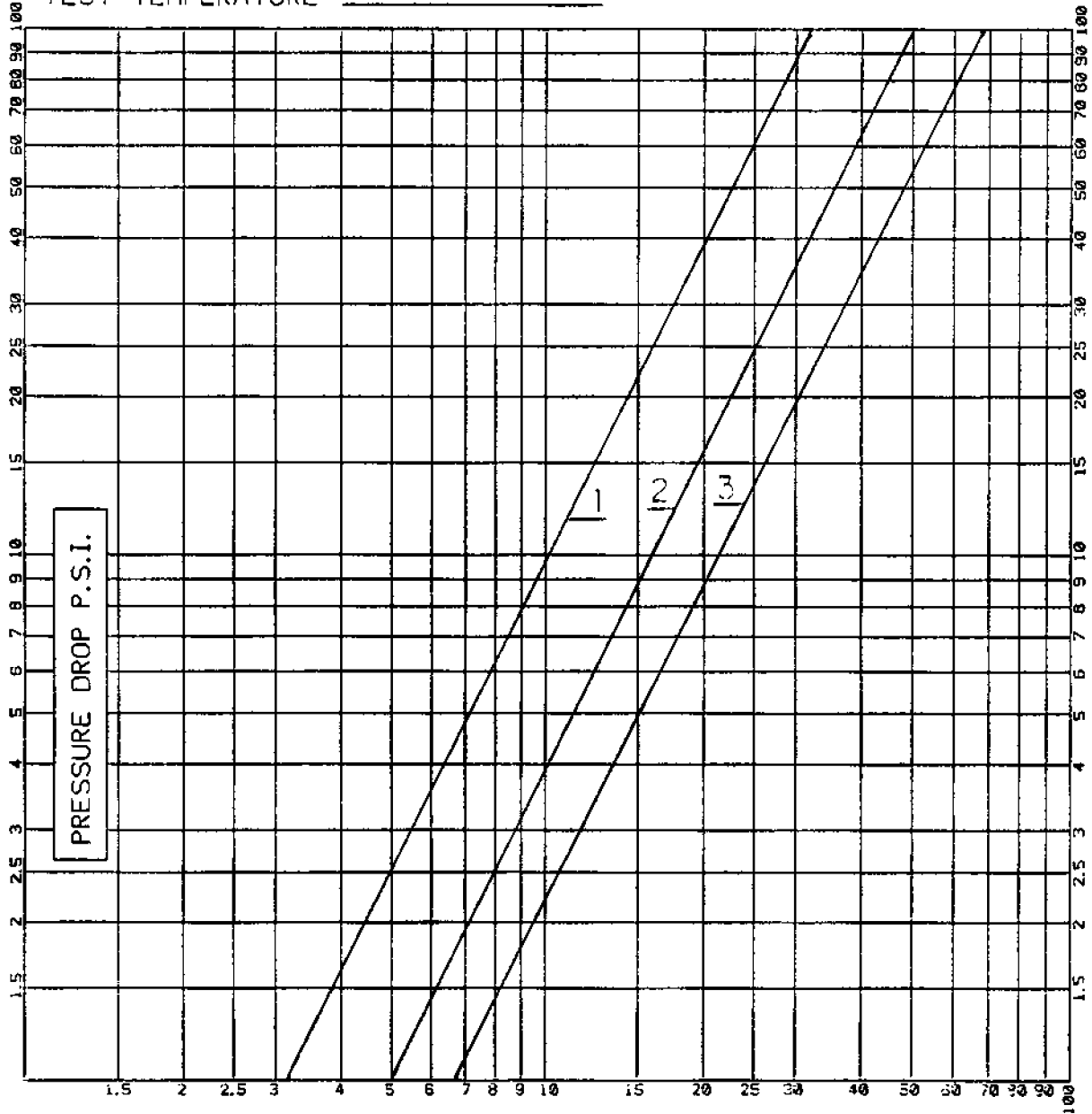
DATE: 5-14-90

Cv SERVICE: 6.8 (3)

Cv BACKWASH: 5.0 (2)

COMMENTS: Rapid Rinse Cv 3.2 (1)

TEST TEMPERATURE 60° F



FLOW RATE G.P.M.

VALVE FLOW DATA NO. 2750



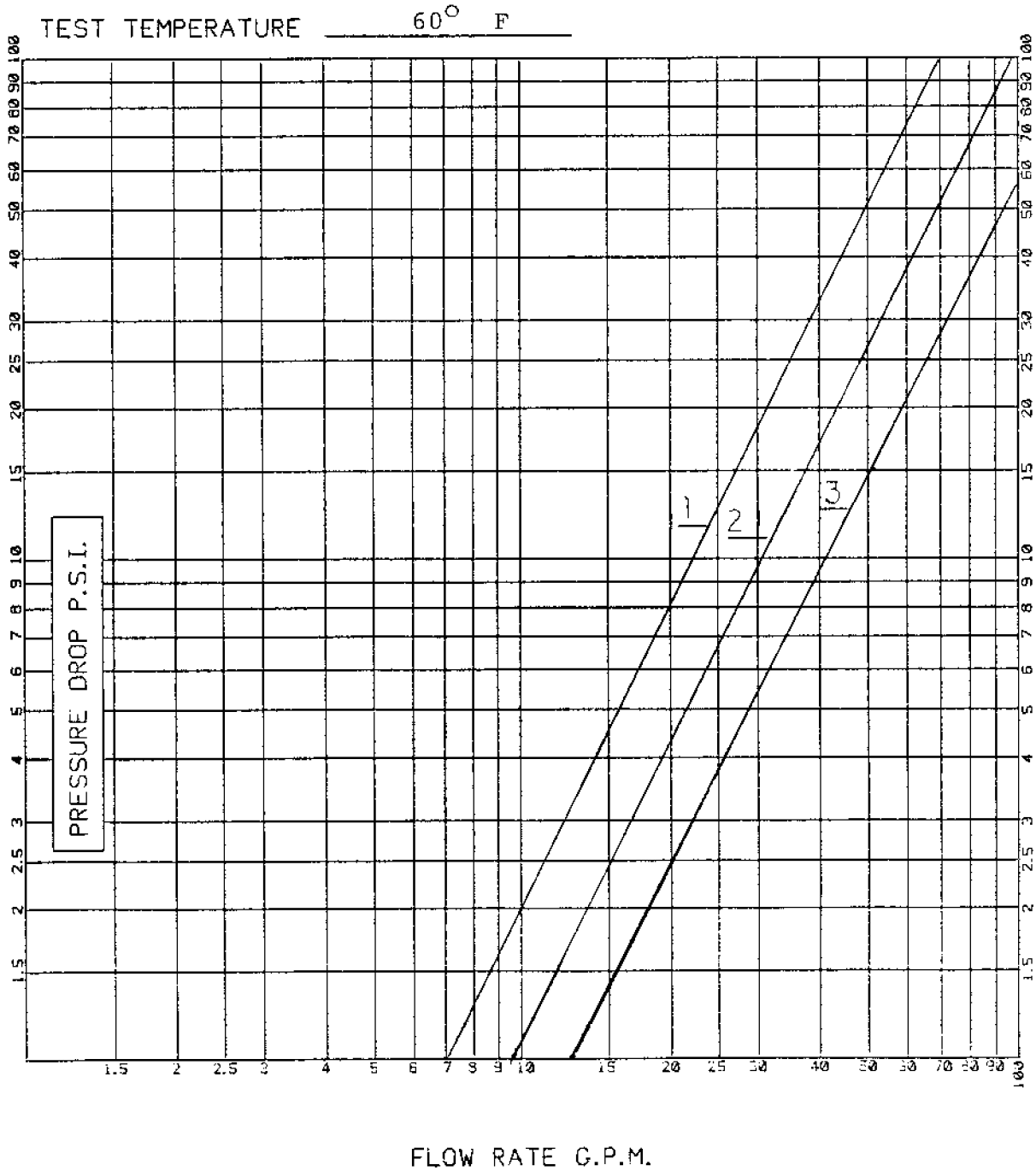
VALVE MODEL: 2850

DATE: 5-14-90

CV SERVICE: 13.2 (3)

CV BACKWASH: 9.8 (2)

COMMENTS: Rapid Rinse Cv 7.0 (1)



VALVE FLOW DATA NO. 2850

VALVE MODEL 2900

DATE 10-10-90

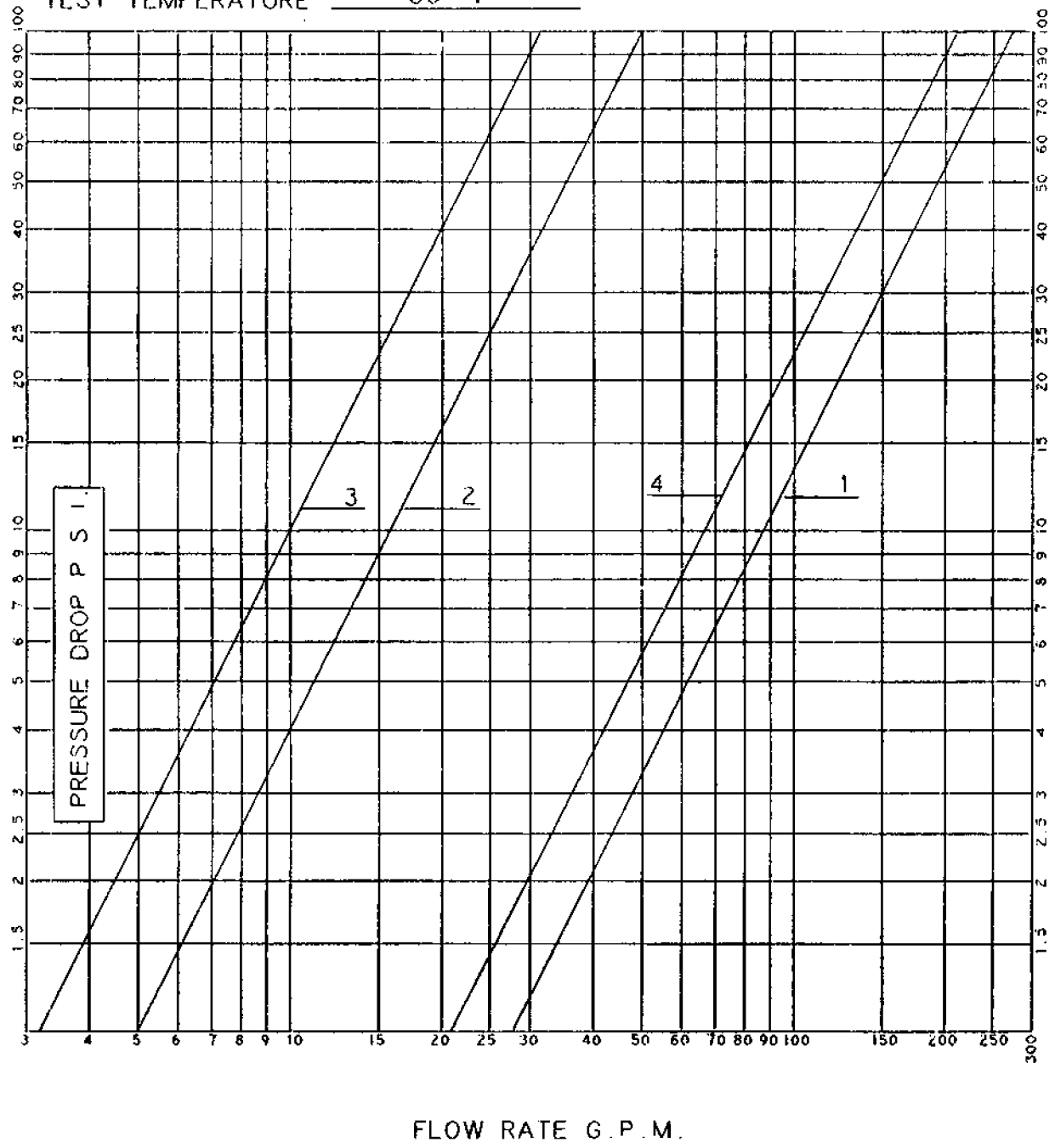
Cv SERVICE 27.5 GPM (1)

Cv BACKWASH 50 GPM (2)

COMMENTS RAPID RINSE Cv=3.2 GPM (3)

BY-PASS Cv=21.5 GPM (4)

TEST TEMPERATURE 60° F



VALVE FLOW DATA NO. 2900



VALVE MODEL: 3150 Side Mount

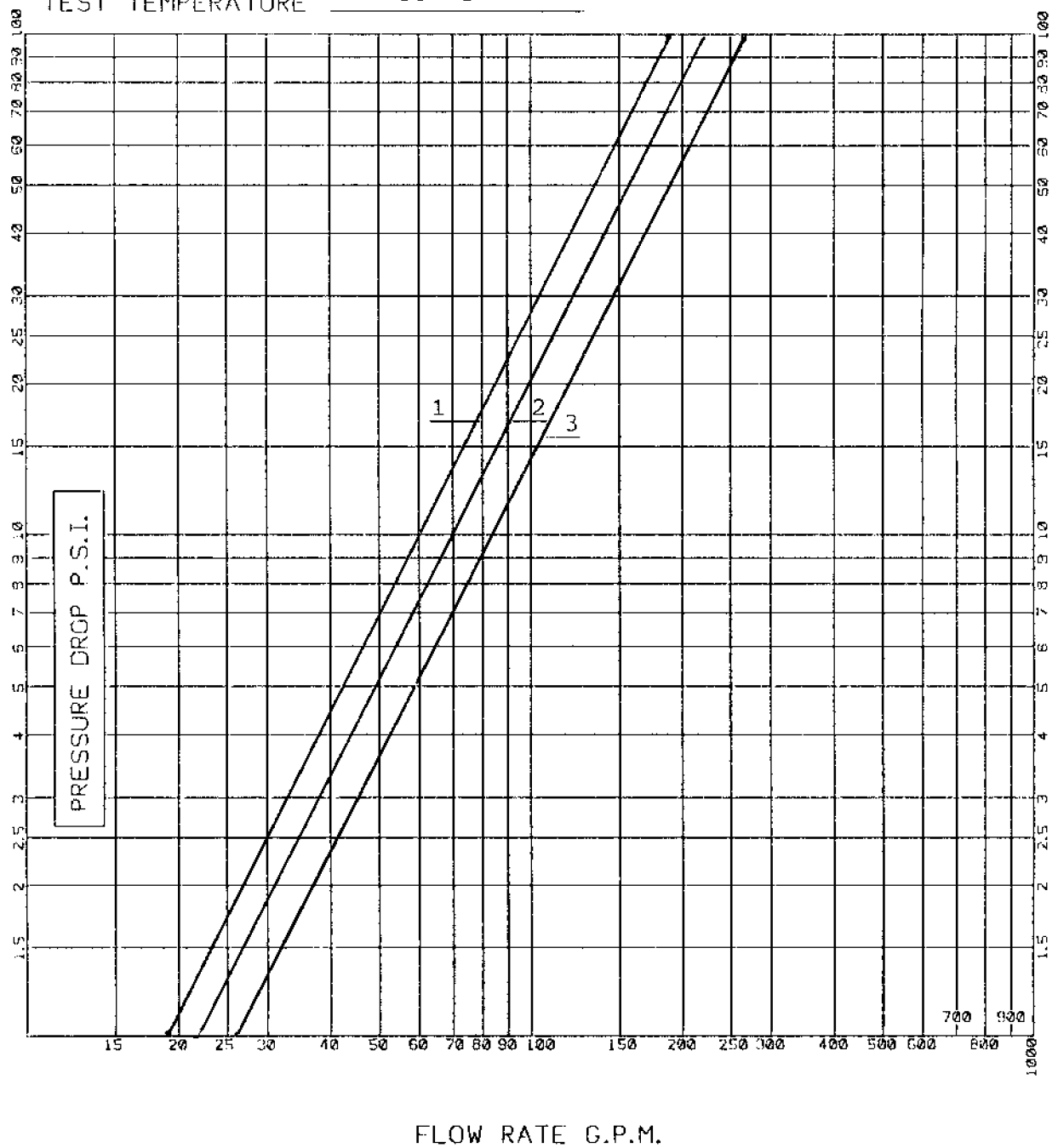
DATE: 5-14-90

CV SERVICE: 25.9 (3)

CV BACKWASH: 21.7 (2)

COMMENTS: Rapid Rinse Cv 18.8 (1)

TEST TEMPERATURE 60° F



VALVE FLOW DATA NO. 3150 SM

VALVE MODEL: 3150 Top Mount

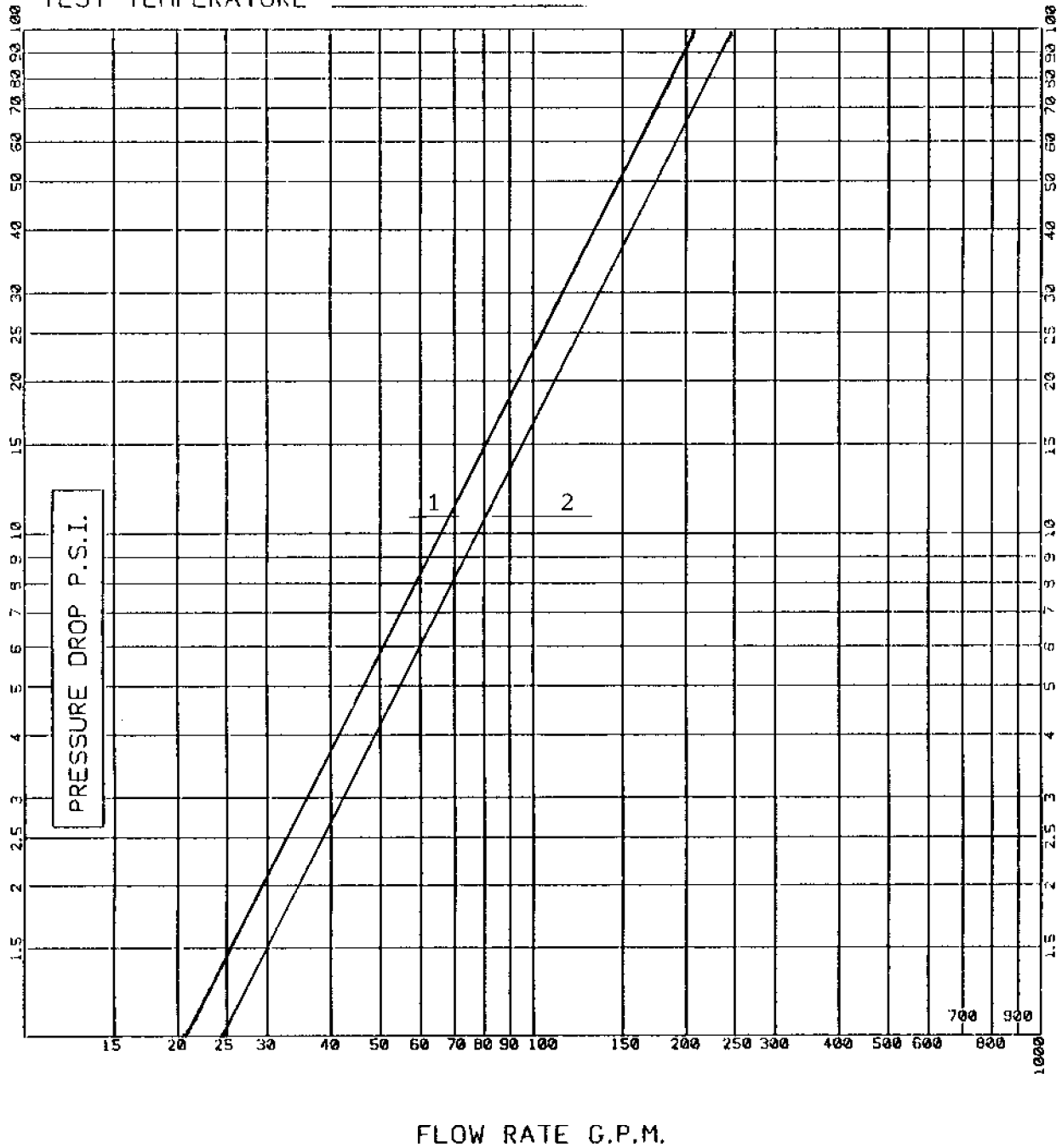
DATE: 5-14-90

Cv SERVICE: 24.8 (2)

Cv BACKWASH: 20.5 (1)

COMMENTS: \_\_\_\_\_

TEST TEMPERATURE 60° F



VALVE FLOW DATA NO. 3150 TM





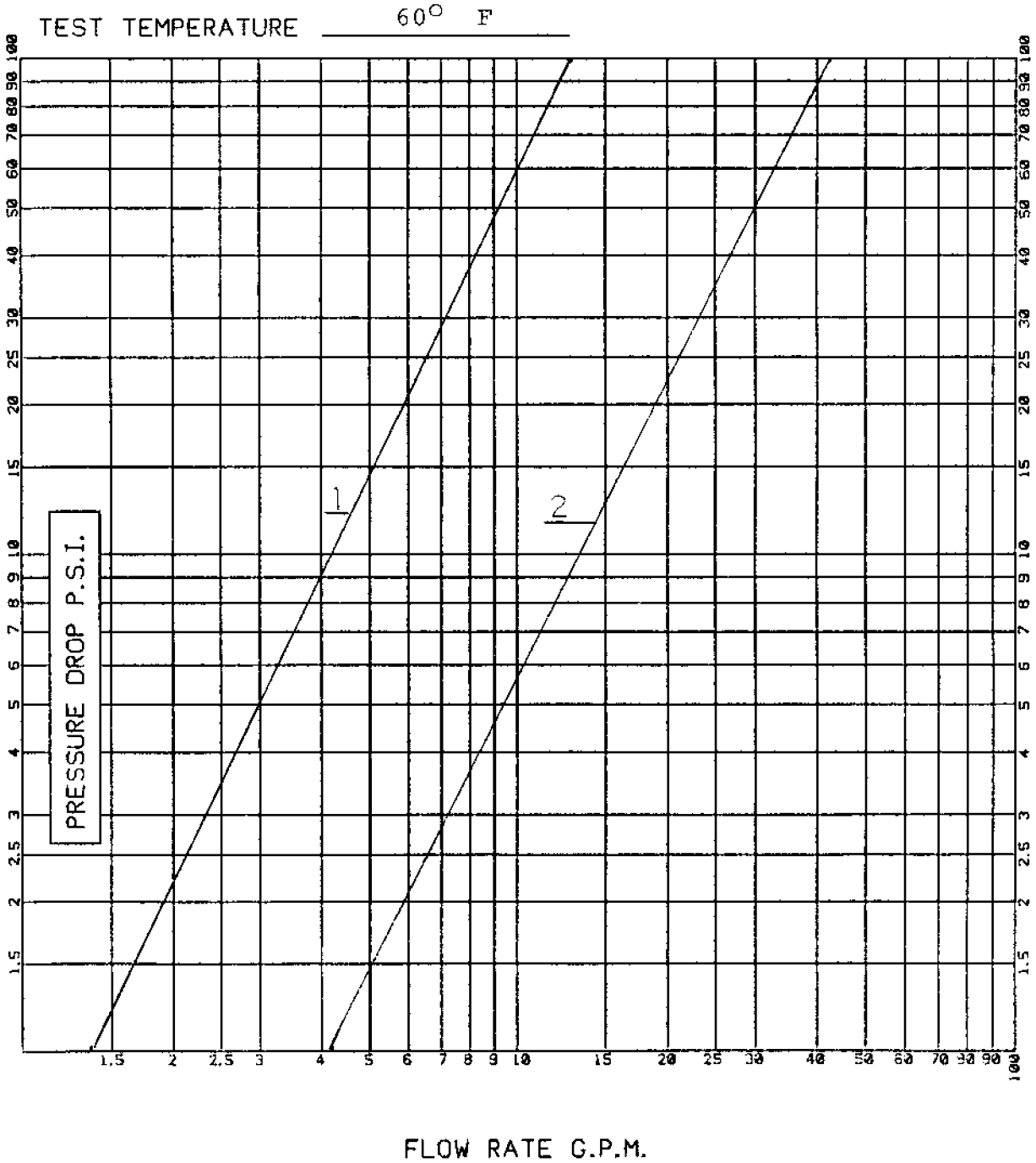
VALVE MODEL: 3600

DATE: 5-14-90

Cv SERVICE: 4.2 (2)

Cv BACKWASH: 1.3 (1)

COMMENTS: \_\_\_\_\_



VALVE FLOW DATA NO. 3600

VALVE MODEL: 3900

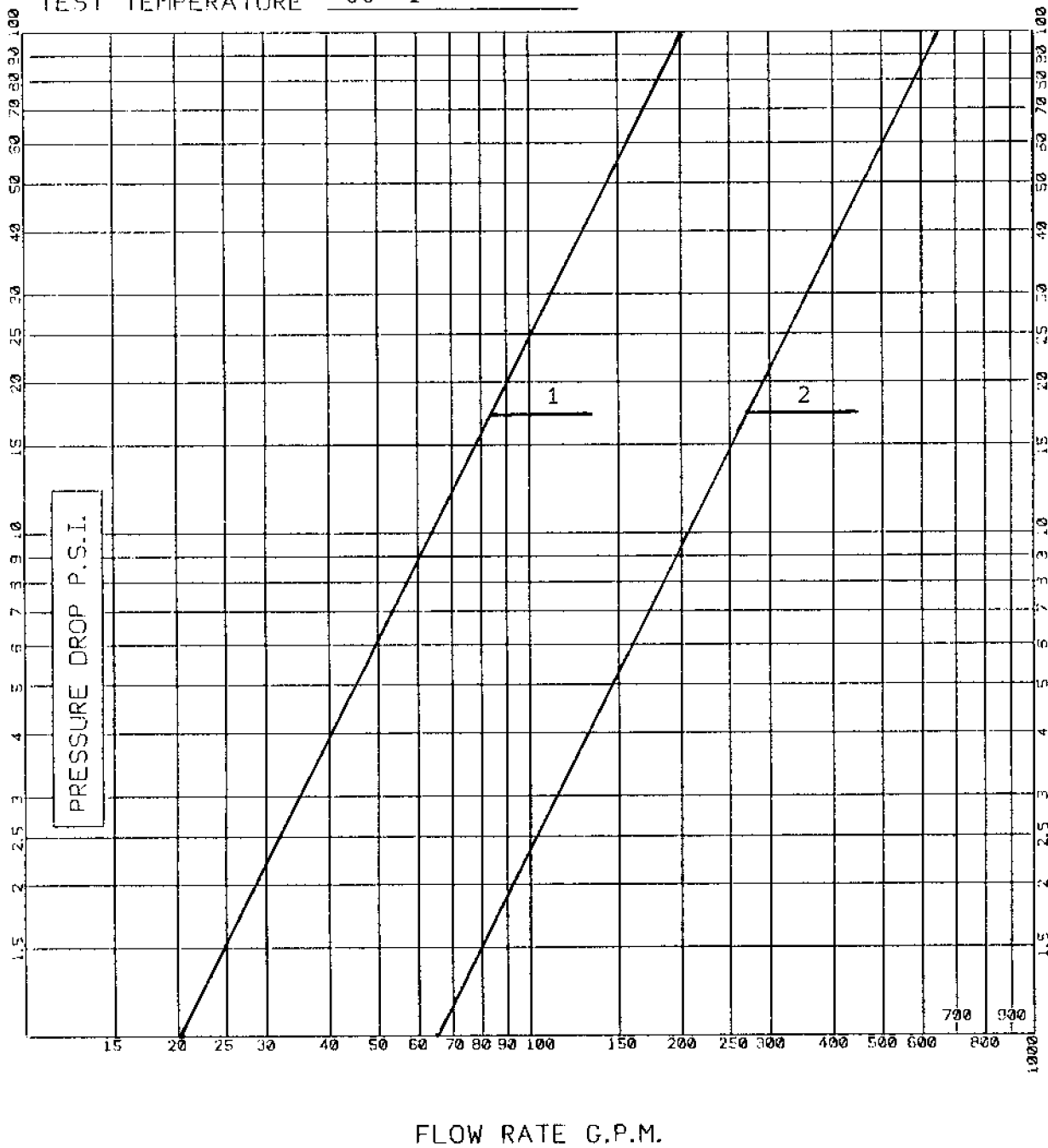
DATE: 5-14-90

CV SERVICE: 65.0 (2)

CV BACKWASH: 20.0 (1)

COMMENTS: \_\_\_\_\_

TEST TEMPERATURE 60° F



VALVE FLOW DATA NO. 3900



VALVE MODEL: 5600 3/4"

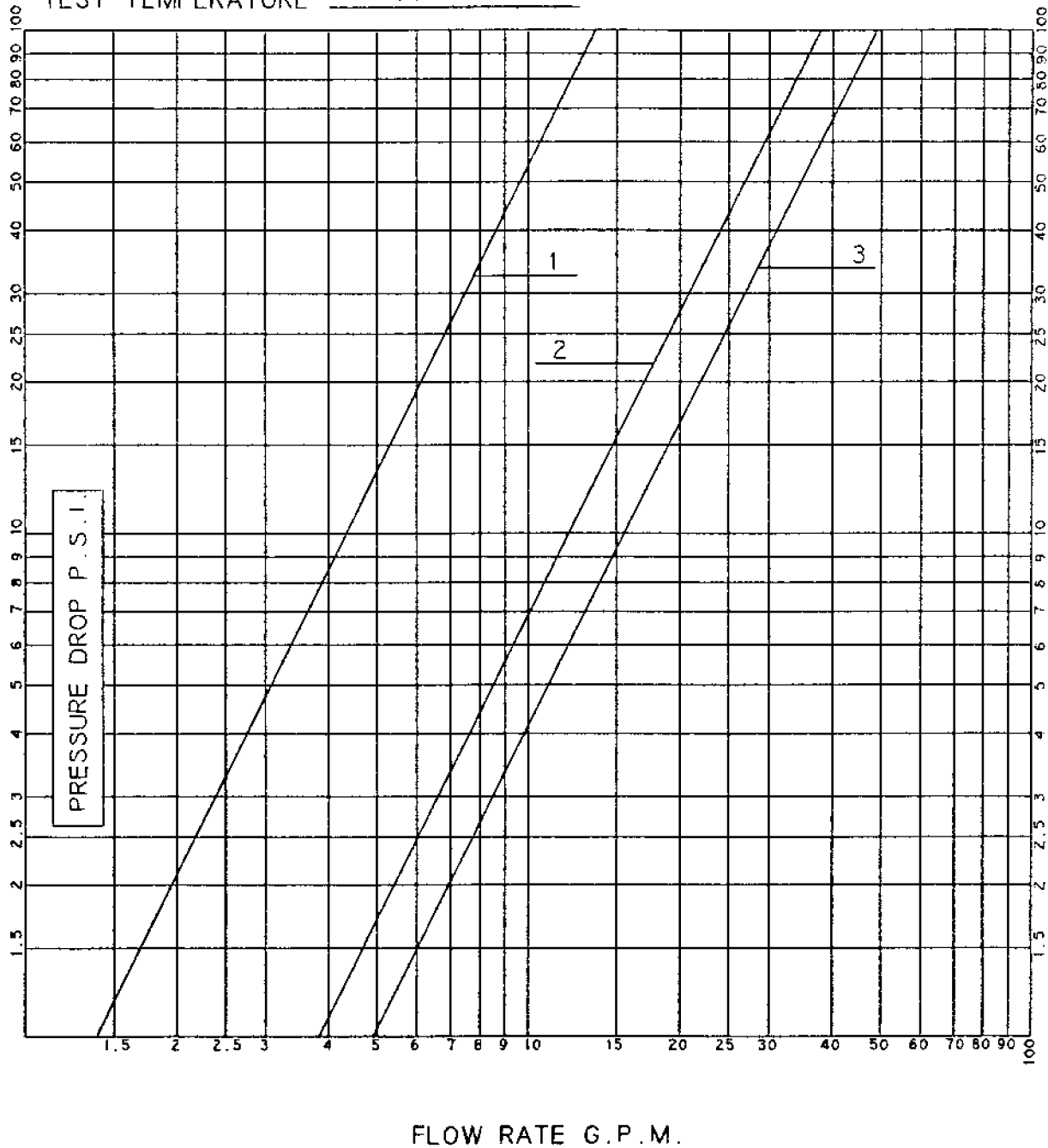
DATE: 10-9-90

Cv SERVICE: BYPASS-3.8(2), YOKE-4.7(3)

Cv BACKWASH: 1.4(1)

COMMENTS: FLOW RATES FOR 5600 VALVE WITH 3/4" BYPASS AND  
5600 VALVE WITH 3/4" YOKE. BOTH WITH DISTRIBUTORS

TEST TEMPERATURE 60° F



VALVE FLOW DATA NO. 5600-3/4



VALVE MODEL: 5600 1"

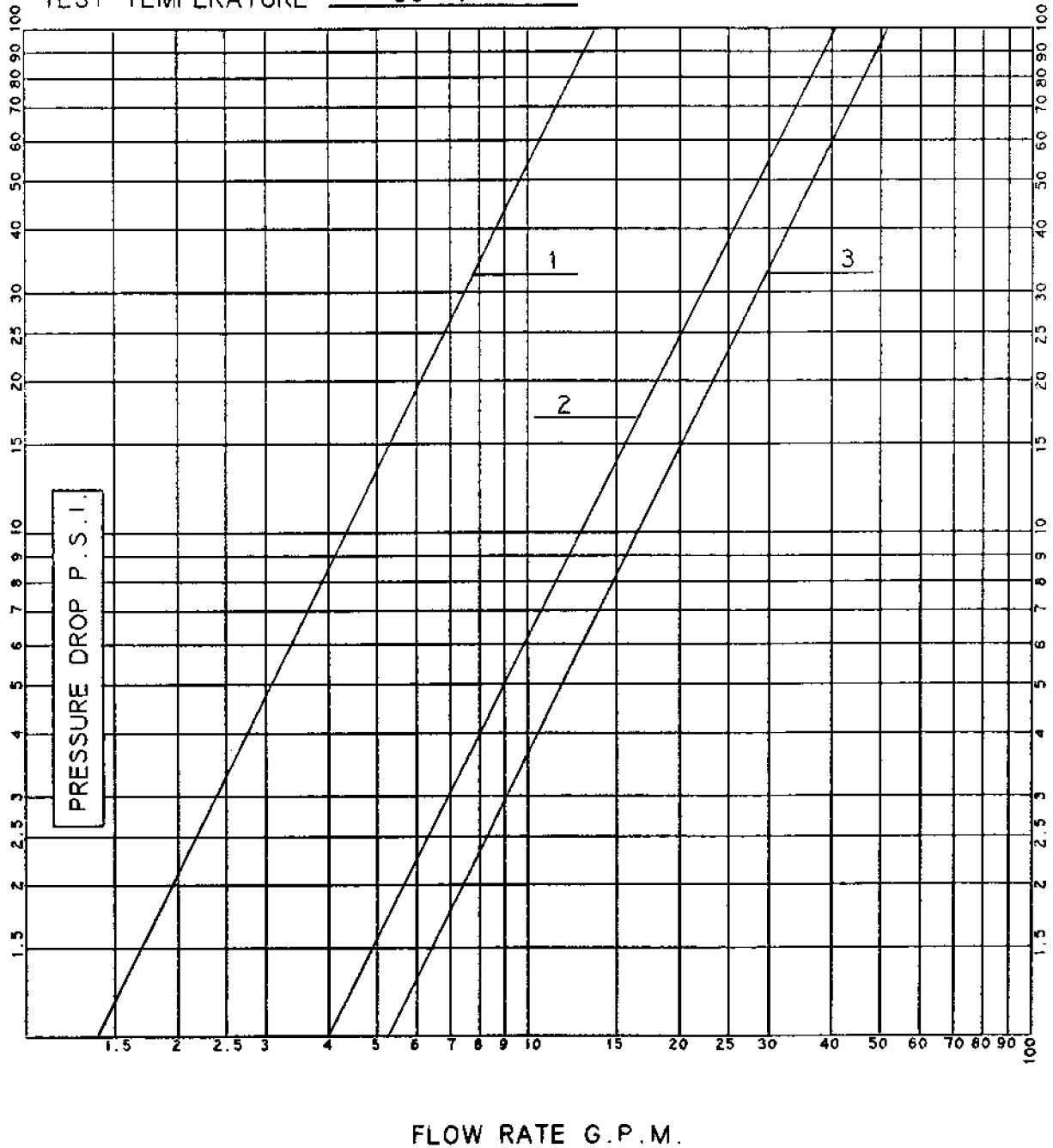
DATE: 10-9-90

Cv SERVICE: BYPASS-4.0(2), YOKE-5.2(3)

Cv BACKWASH: 1.4(1)

COMMENTS: FLOW RATES FOR 5600 VALVE WITH 1" BYPASS AND  
5600 VALVE WITH 1" YOKE, BOTH WITH DISTRIBUTORS.

TEST TEMPERATURE 60° F



VALVE FLOW DATA NO. 5600-1"



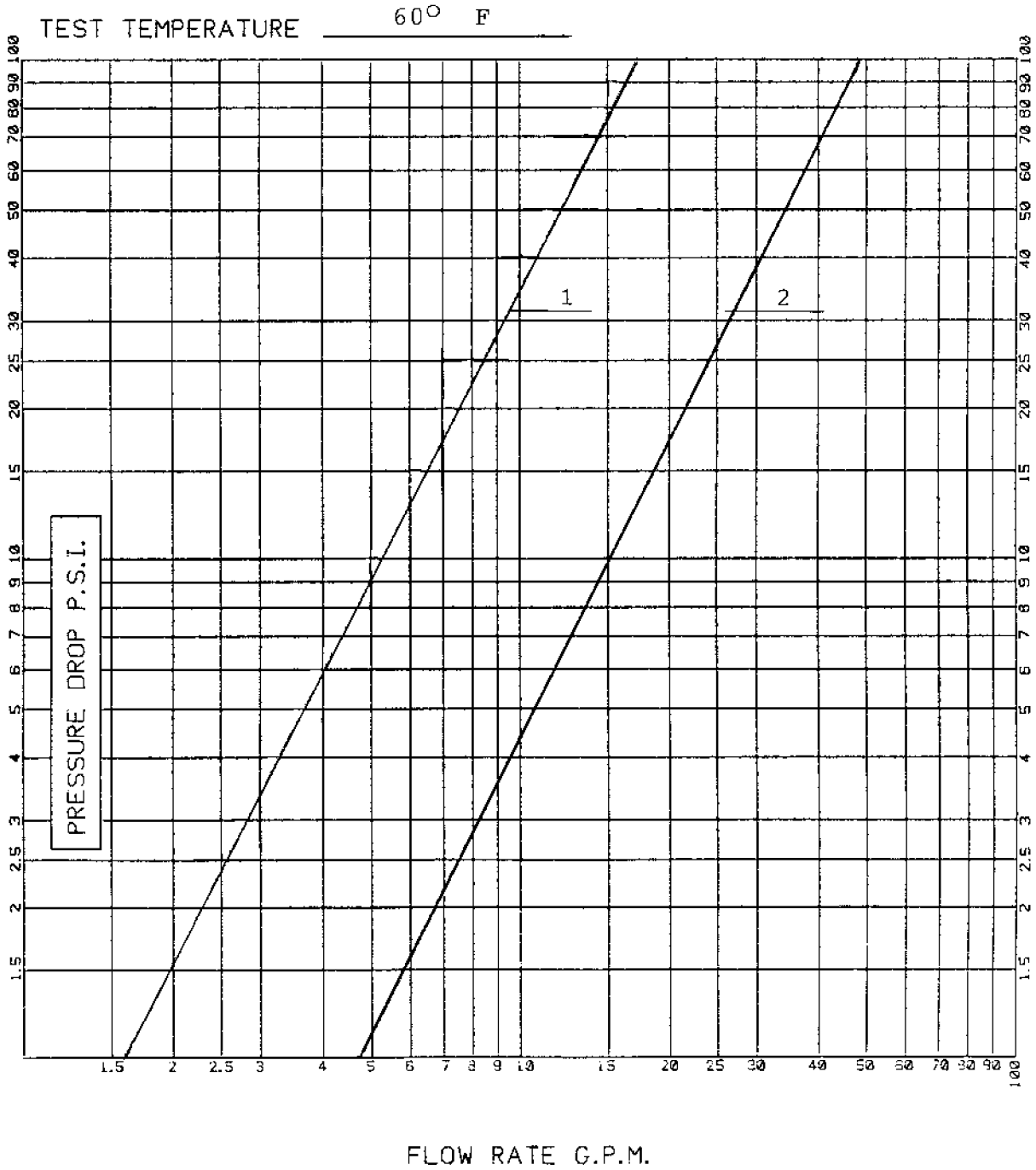
VALVE MODEL: 9000 3/4"

DATE: 5-14-90

Cv SERVICE: 4.8 (2)

Cv BACKWASH: 1.6 (1)

COMMENTS: Flow Rates for 9000 Valve and 3/4" Meter



VALVE FLOW DATA NO. 9000-3/4

VALVE MODEL: 9000 1"

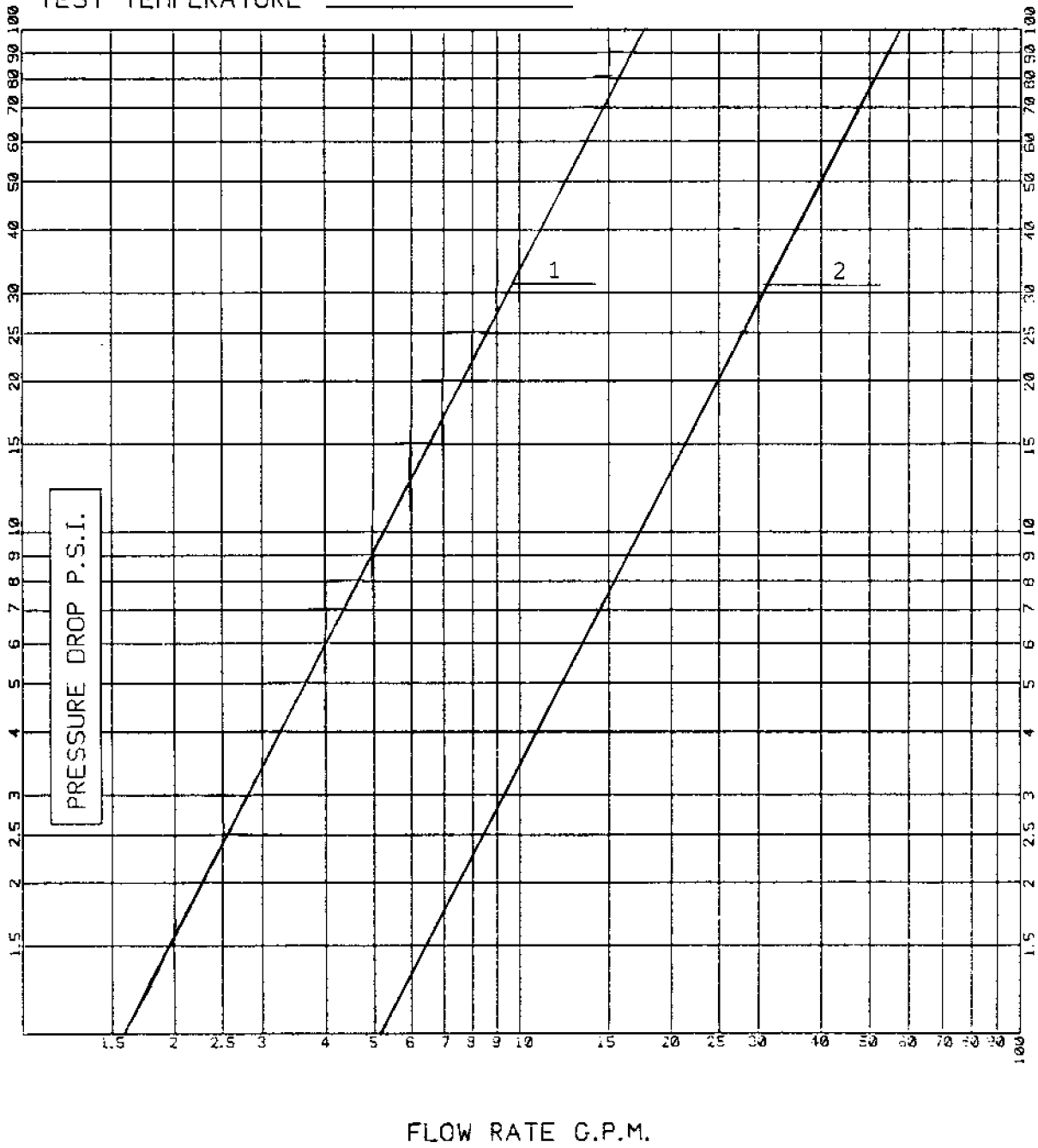
DATE: 5-14-90

Cv SERVICE: 5.1 (2)

Cv BACKWASH: 1.6 (1)

COMMENTS: Flow Rates for 9000 Valve and 1" Meter

TEST TEMPERATURE 60° F



VALVE FLOW DATA NO. 9000-1

### SERVICE/BACKWASH RATES

Tank Dia. Inches	Tank Dia. Sq. Ft. Bed Area	Cu. Ft. Per In. of Height	Backwash Rate in G.P.M. per Sq. Ft. of Bed at			
			5 G.P.M.	8 G.P.M.	10 G.P.M.	12 G.P.M.
6	.196	.016	.98	1.57	1.96	2.35
7	.267	.022	1.34	2.14	2.67	3.20
8	.35	.029	1.75	2.8	3.5	4.2
9	.44	.036	2.2	3.52	4.4	5.3
10	.55	.042	2.75	4.4	5.5	6.6
12	.79	.066	3.95	6.32	7.9	9.5
13	.92	.077	4.6	7.36	9.2	11.0
14	1.07	.089	5.35	8.56	10.7	12.8
16	1.4	.117	7.0	11.2	14.0	16.8
21	2.4	.2	12.0	19.2	24.0	28.8
24	3.14	.262	15.7	25.1	31.4	37.7
30	4.9	.408	24.5	39.2	49.0	58.8
36	7.07	.589	35.4	56.6	70.7	84.8
42	9.62	.802	48.1	76.9	96.2	115.4
48	12.57	1.048	62.9	100.6	125.7	150.8
54	15.9	1.325	79.5	127.2	159.0	190.8
60	19.63	1.636	98.2	157.0	196.3	235.6
66	23.76	1.98	118.8	190.1	237.6	285.1
72	28.27	2.356	141.4	226.2	282.7	339.2

### TYPICAL SERVICE/BACKWASH RATES

<u>Media</u>	<u>SVC. Rate</u> GPM/Sq. Ft.	<u>BKW. Rate</u> GPM/Sq. Ft.	<u>Bed Depth</u> Inches	<u>Bed</u> <u>Exp. %</u>
BIRM (Regular)	3.5-5	10-12	30-36	35-50
BIRM (Fine)	3.5-5	8-10	30-36	35-50
MANG. GREENSAND	5	8-12	30	35-50
CARBON	5	8-10	26-30	30-40
FILTER AG.	5	8-10	24-36	35-50
CALCITE	3-6	8-12	24-30	35
COROSEX	5-6	8-12	24-30	35
FILOX	*	15	*	30-50
ALSORB	*	5-7	*	30-50
RESIN (Regular)	20-30	3-8 *	24-30	50
RESIN (Fine Mesh)	15-20	2.5-4 *	20-30	50

\* Consult Manufactures Specifications

## RESIN CAPACITY

Resin Volume Cubic Feet	Resin Capacity Salting At			
	6 Pounds Ft 3	8 Pounds Ft 3	10 Pounds Ft 3	15 Pounds Ft 3
1.0	20,000	24,000	27,000	30,000
1.5	30,000	36,000	40,500	45,000
2.0	40,000	48,000	54,000	60,000
2.5	50,000	60,000	67,500	75,000
3.0	60,000	72,000	81,000	90,000
4.0	80,000	96,000	108,000	120,000
5.0	100,000	120,000	135,000	150,000
6.0	120,000	144,000	162,000	180,000
7.0	140,000	168,000	189,000	210,000
8.0	160,000	192,000	216,000	240,000
9.0	180,000	216,000	243,000	270,000
10.0	200,000	240,000	270,000	300,000
12.0	240,000	288,000	324,000	360,000
15.0	300,000	360,000	405,000	450,000
20.0	400,000	480,000	540,000	600,000
25.0	500,000	600,000	675,000	750,000
30.0	600,000	720,000	810,000	900,000
35.0	700,000	840,000	945,000	1,050,000
40.0	800,000	960,000	1,080,000	1,200,000
45.0	900,000	1,080,000	1,215,000	1,350,000
50.0	1,000,000	1,200,000	1,350,000	1,500,000
55.0	1,100,000	1,320,000	1,485,000	1,650,000
60.0	1,200,000	1,440,000	1,620,000	1,800,000
70.0	1,400,000	1,680,000	1,890,000	2,100,000





# SLOW RINSE RATES

INJ. NO. <u>0</u>		INJ. NO. <u>1</u>		INJ. NO. <u>2</u>		INJ. NO. <u>3</u>	
PSI INLET	FLOW GPM	PSI INLET	FLOW GPM	PSI INLET	FLOW GPM	PSI INLET	FLOW GPM
20	.25	20	.36	20	.68	20	.70
40	.31	40	.45	40	.84	40	1.00
60	.36	60	.52	60	.98	60	1.10
80	.40	80	.57	80	1.08	80	1.20
100	.44	100	.62	100	1.16	100	1.30
INJ. NO. <u>4</u>		INJ. NO. <u>3C</u>		INJ. NO. <u>4C</u>		INJ. NO. <u>5C</u>	
PSI INLET	FLOW GPM	PSI INLET	FLOW GPM	PSI INLET	FLOW GPM	PSI INLET	FLOW GPM
20	1.00	20	1.00	20	1.18	20	2.13
40	1.23	40	1.15	40	1.55	40	2.81
60	1.42	60	1.30	60	1.79	60	3.51
80	1.60	80	1.40	80	1.98	80	3.68
100	1.78	100	1.50	100	2.38	100	4.03
INJ. NO. <u>6C</u>		INJ. NO. <u>5</u>		INJ. NO. <u>6</u>		INJ. NO. <u>7</u>	
PSI INLET	FLOW GPM	PSI INLET	FLOW GPM	PSI INLET	FLOW GPM	PSI INLET	FLOW GPM
20	2.40	20	2.30	20	3.20	20	4.90
40	3.45	40	2.95	40	4.10	40	5.80
60	3.84	60	3.30	60	4.70	60	7.00
80	4.57	80	3.70	80	5.20	80	7.90
100	4.69	100	4.10	100	5.80	100	8.70
INJ. NO. <u>8</u>		INJ. NO. <u>9</u>		INJ. NO. <u>10</u>		INJ. NO. _____	
PSI INLET	FLOW GPM	PSI INLET	FLOW GPM	PSI INLET	FLOW GPM	PSI INLET	FLOW GPM
20	7.20	20	8.50	20	9.50	20	
40	9.20	40	10.50	40	12.50	40	
60	10.05	60	12.50	60	14.70	60	
80	11.90	80	13.80	80	16.70	80	
100	13.00	100	15.00	100		100	