

PROTECTED (When completed)

CERTIFICATE OF ORIGIN

Exporter's Name and Address: CONTRÔLE ANALYTIQUE INC 1076 JOHNSON STREET THETFORD MINES (QUÉBEC) G6G 5W6 CANADA PH: 418-334-0990		Blanket Period: <div style="display: flex; justify-content: space-around;"> DDMMYY DDMMYY </div> <div style="display: flex; justify-content: space-around;"> From 01-01-05 To 31-12-05 </div>	
Tax Identification Number 140 998 295		Importer's Name and Address: CMC Instruments GMBh Hauptstr. 388 D-65760 Eschborn Germany DE PH: 49 6173 32 00 78	
Producer's Name and Address: SAME		Tax Identification Number	

Description of Good (s)	HS Tariff Classification Number	Preference Criterion	Producer	Net Cost	Country of Origin
GAS ANALYSER MODEL K4000 S/N: 43104	9027.10	B	YES	NO	CA XQ

I certify that:

- ✓ the information on this document is true and accurate and I assume the responsibility for proving such representations, I understand that I am liable for any false statements or material omissions made on or in connection with this document;
- ✓ I agree to maintain, and present upon request, documentation necessary to support this Certificate, and to inform, in writing, all persons to whom the Certificate was given of any changes that would affect the accuracy or validity of this Certificate;
- ✓ the goods originated in the territory of one or more of the Parties, and comply with the origin requirements specified for those goods in the North American Free Trade Agreement, and unless specifically exempted in Article 411 or Annex 401, there has been no further production or any other operation outside the territories of the Parties; and
- ✓ this Certificate consists of 1 pages, including all attachments.

Authorized Signature : 	Company: Contrôle Analytique inc.
Name : André Fortier	Title: Production Manager
Date (DD/MM/YY): 04/11/2005	Telephone: TEL. (418) 334-0990
	Fax: FAX: (418) 334-0660

Canada

Contrôle Analytique K4000 Trace Gas Analyzer

SYSTEM CONFIGURATION

DATE: Nov,02,2005

S/N: 43104

Model:	K4000NG-220
Analysis Type:	Trace H2-N2-CO-CO2-THC IN ARGON
Range set:	Range #1: H2-N2 0-10ppm/CO2 0-5 ppm/CO-THC 0-2 ppm Range #2: H2-N2 0-10ppm/CO2 0-5 ppm/CO-THC 0-2 ppm
Chromatographic Column:	Col #1: 10' washed molecular sieve 60/80, frit on both ends Col #2: 4' washed molecular sieve 60/80, frit on both ends Col #3: 12' poropak Q 80/100, frit on both ends Col #4: 10' Hayesep D 100/120, frit on both ends
Moisture Trap:	N/A
Chemical Trap:	N/A
Gas conditioning Module (GCM):	Installed for dete 1-2-3-4-5-6
Valves:	V1: Injection: 1 x 6 port G.C. Valve CAI V2: Injection: 1 x 6 port G.C. Valve CAI V3: Injection: 1 x 6 port G.C. Valve CAI V4: Injection and backflush: 1 x 10 port G.C. Valve Valco
Sample Volume:	S.L.1: 48" x 0.085" = 4,5cc(ml) S.L.2: 48" x 0.085" = 4,5cc(ml) S.L.3: 48" x 0.085" = 4,5cc(ml) S.L.4: 48" x 0.085" = 4,5cc(ml)
Carrier Gas Type:	Argon
Carrier Gas Cylinder Pressure : (with a gas purifier installed)	90 psig
Carrier 1 Flow:	30 cc/min (PR1)
Carrier 2 Flow:	20 cc/min (PR2)
Carrier 3 Flow:	20 cc/min (PR3)
Carrier 4 Flow:	30 cc/min (EPR6)
Air Flow:	140cc/min (EPR2)
H2 Flow:	30cc/min (EPR3)
Sample Master Flow:	80 cc/min (EPR1)
Sample Slave Flow:	25 cc/min (EPR4)
Sample FID Flow:	25 cc/min (EPR5)
Sample Pressure at the Sample Inlet:	20psig
Total Carrier Flow Consumption:	90cc/min
Total sample Flow Consumption:	130cc/min

Contrôle Analytique K40v0 Trace Gas Analyzer

OPERATING PARAMETERS

DATE: Nov,03,2005

S/N: 43104

PEAK DATA

Peak Number	Name	AVR	Starting	Ending	Gain	Pol.	DET#	P.Pwr	Range2 Scale	Range1 fact	PRE AMP
1	H2	1	42,0	95,0	20	inv	2	65	10	1x	1
2	N2	1	202,0	280,0	10	fol	1	65	10	1x	1
3	CO	1	293,0	365,0	10	fol	6	65	5	1x	3
4	CO2	1	385,0	458,0	150	fol	4	65	2	1x	3
5	THC	1	500,0	545,0	2	N/A	7	-150	2	1x	800

OTHER PARAMETERS

Oven 1 temperature setpoint	50 °C
Oven 2 temperature setpoint	60 °C
Oven 3 temperature setpoint	50 °C
Oven 4 temperature setpoint	50 °C
FID temperature setpoint	225 °C
Carrier gas type	Argon
Cycle Time	800 sec

VALVE TIMING

ON (sec)	OFF (sec)
0	30
260	290
105	135
450	490

V1

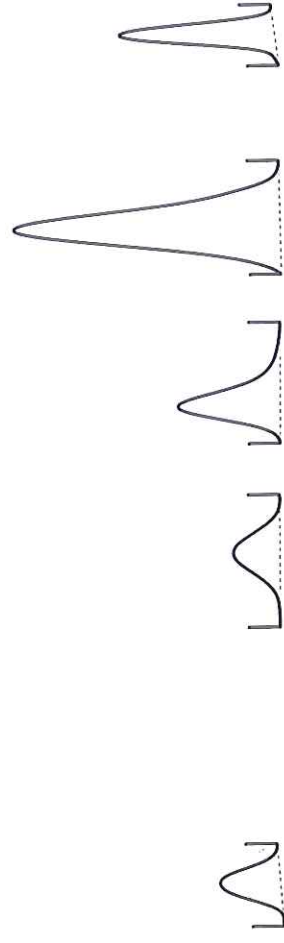
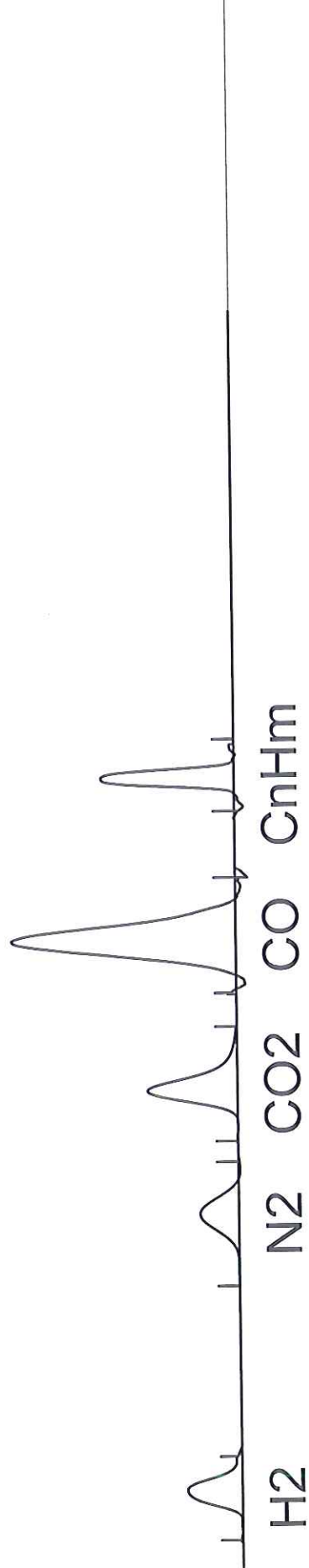
V2

V3

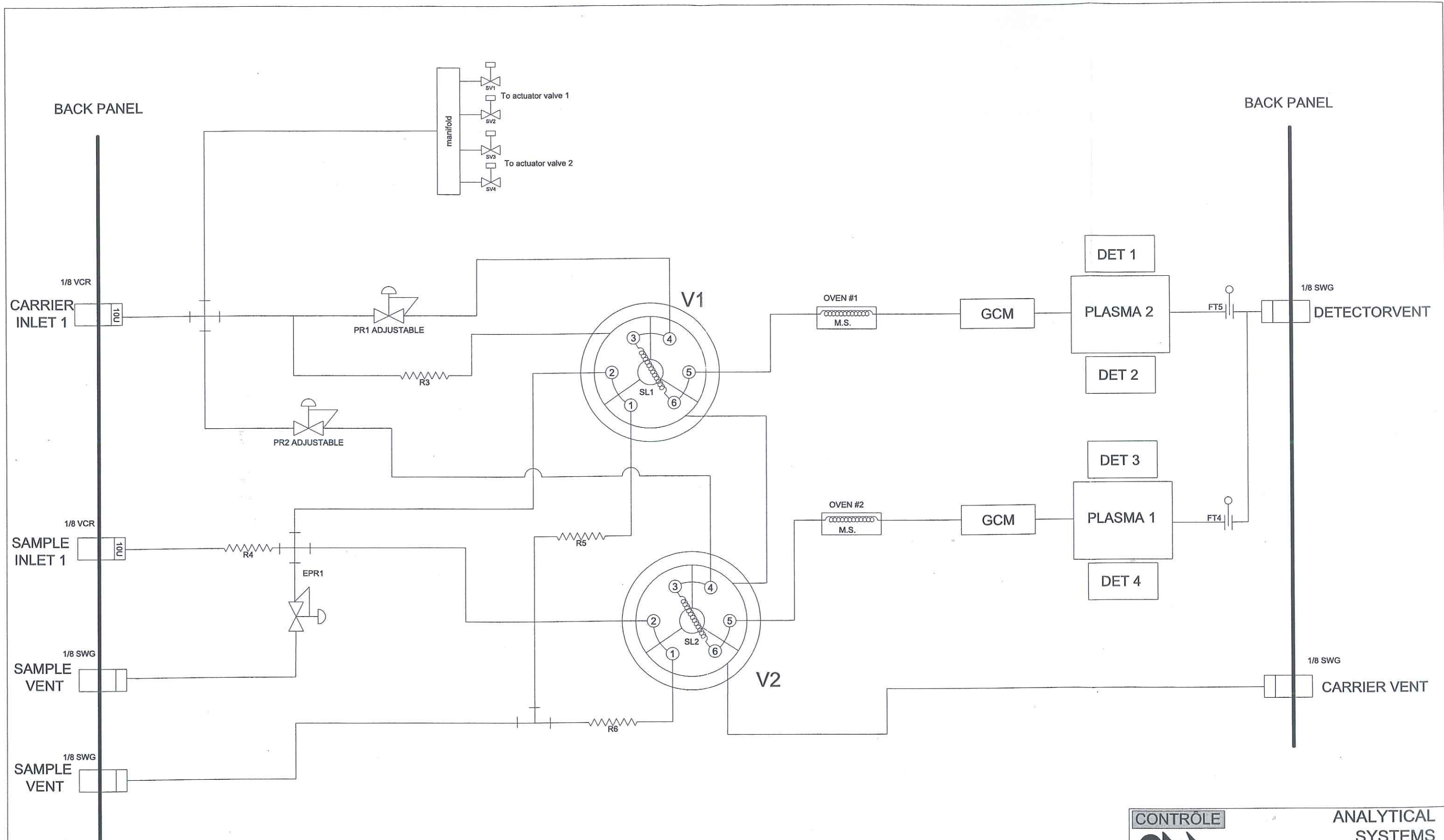
V4

Acq. #1 — Acq. #2 — Acq. #3

Process Peaks



H2	N2	CO2	CO	CnHm
1.79	1.90	1.25	1.56	1.40
Oven 1	Oven 2	Oven 3	Oven 4	Oven 5
50.0	60.0	50.0	50.0	224.7

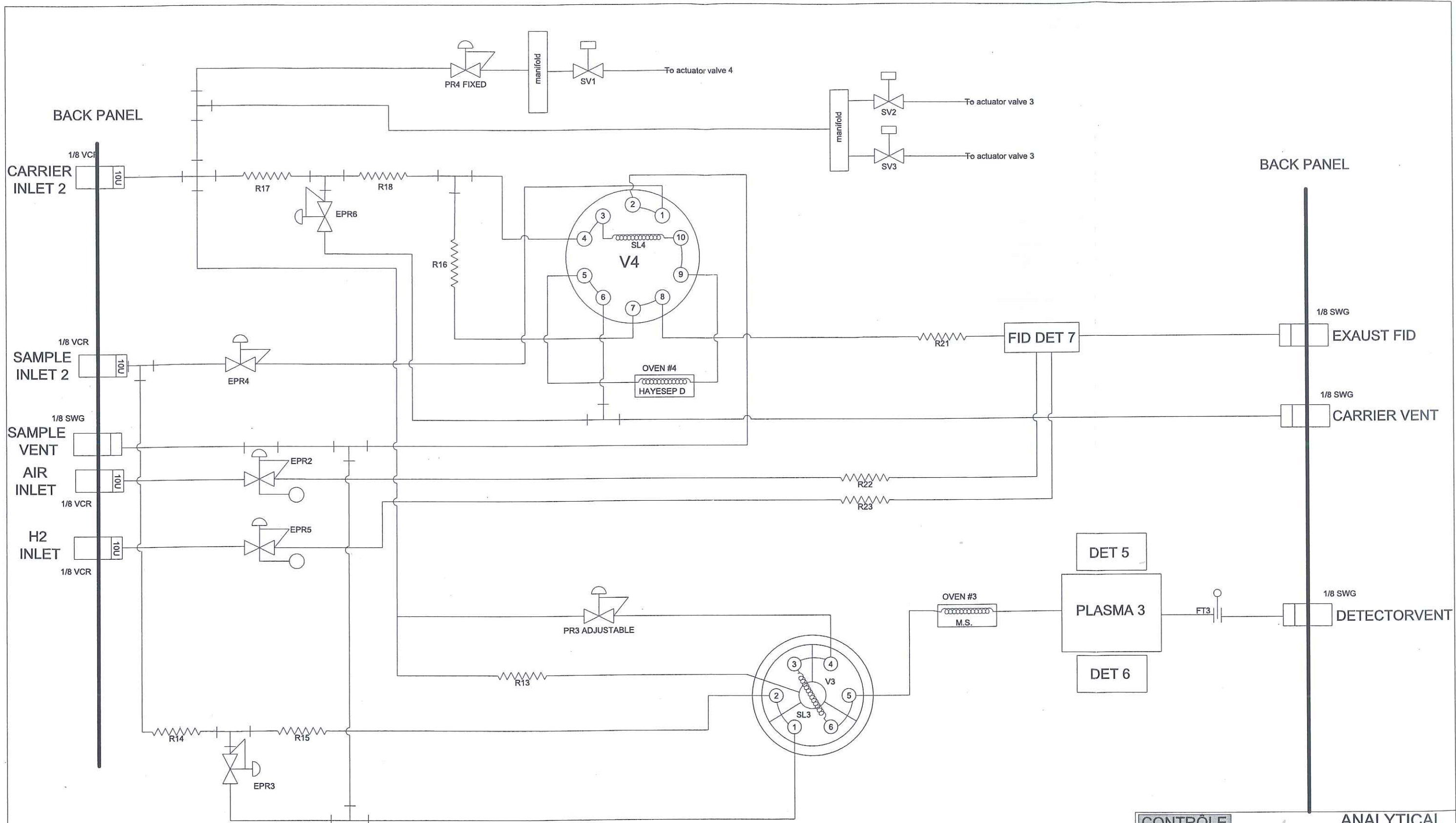


PLUMBING CONFIGURATION POSITION ON FOR MASTER CHASSIS K4000NG FOR S/N 43104

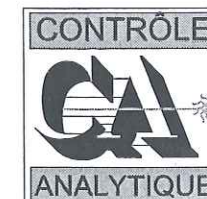


ANALYTICAL
SYSTEMS
MANUFACTURER

1076, JOHNSON EST, SUITE 101
THETFORD MINES (QUÉBEC) CANADA
G6G 5W6

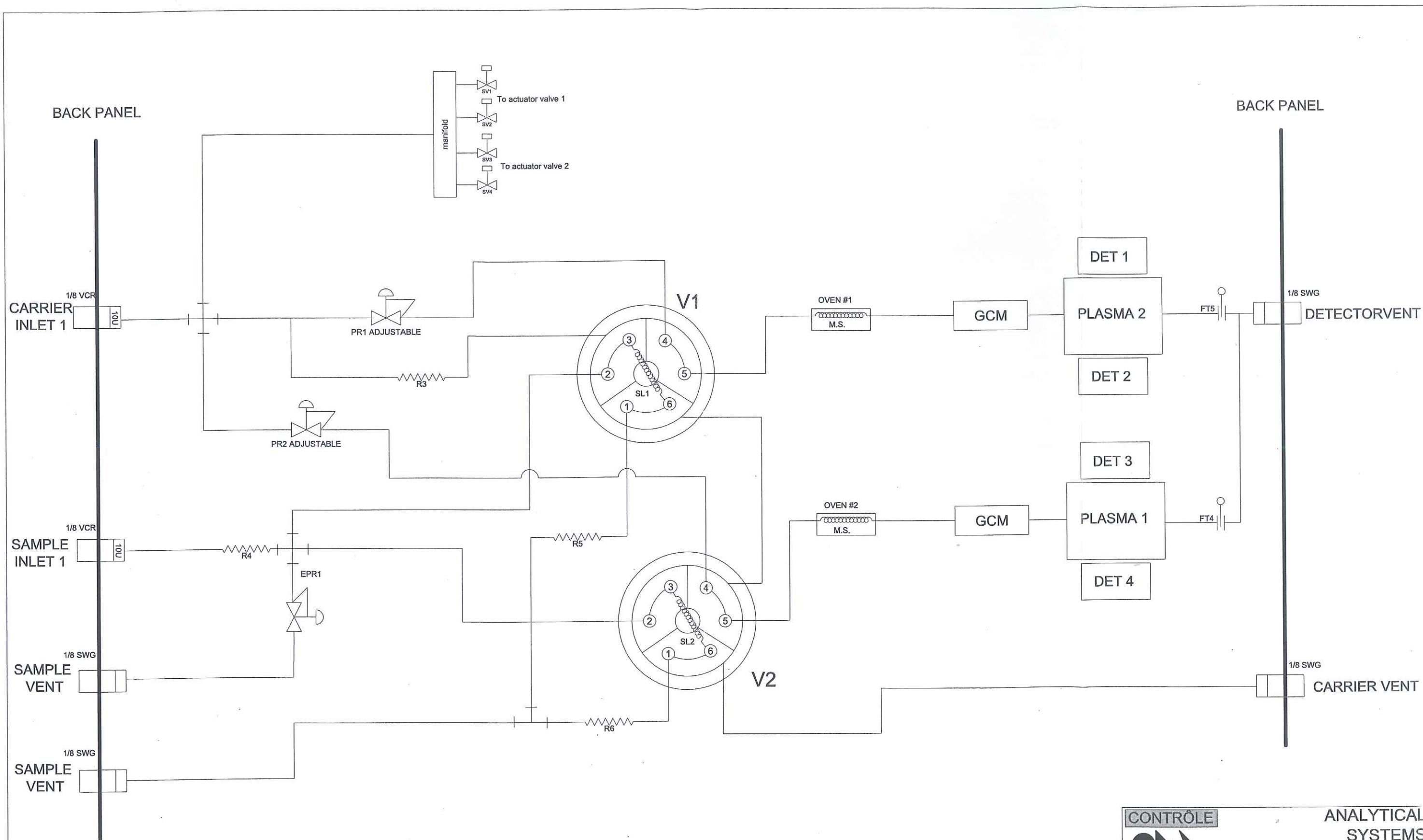


PLUMBING CONFIGURATION POSITION ON FOR SLAVE CHASSIS K4000NG FOR S/N 43104



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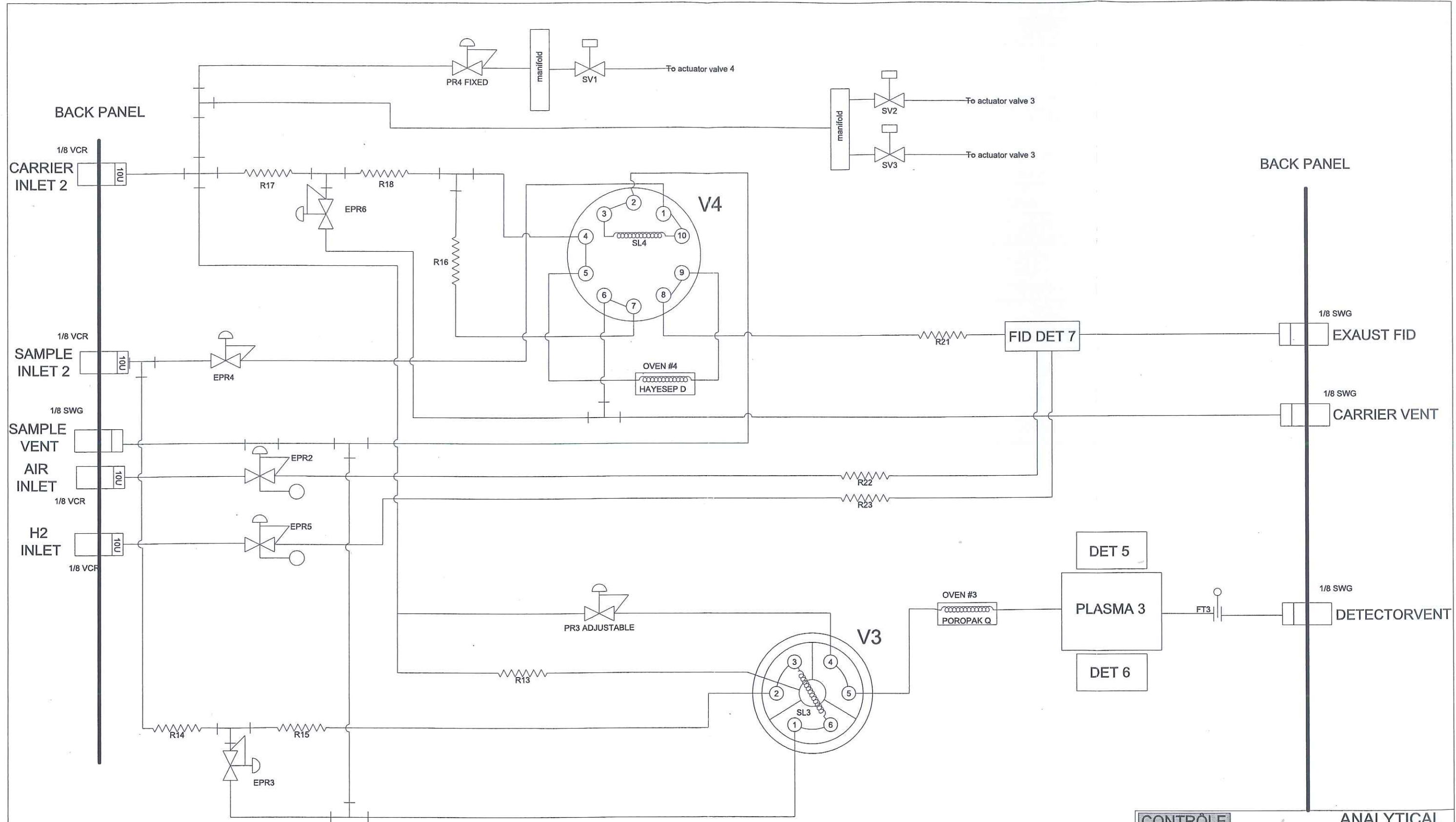
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