

**CITY OF SACRAMENTO**  
1231 I Street, Sacramento, CA 95814

**Permit No: 0008557**

**Insp Area: 4**

**Site Address: 1610 ARDEN WY SAC**

Parcel No: 277-0272-004

Sub-Type: NUNDGRD

Housing (Y/N): N

CONTRACTOR

OWNER

ARCHITECT

THIRD TR E HUNTINGTON GROUP  
1610 ARDEN WY  
SACRAMENTO CA 95815

**Nature of Work: TEAR UP OLD PARKING LOT/ WATER LINE TO BLDG PAD/NEW WATER LINE TO BLDG PAD & REROUTE FIRE LINE**

**CONSTRUCTION LENDING AGENCY:** I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

Lender's Name \_\_\_\_\_ Lender's Address \_\_\_\_\_

**LICENSED CONTRACTORS DECLARATION:** I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class B License Number 766977 Date 8/25/00 Contractor Signature [Signature]

**OWNER-BUILDER DECLARATION:** I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00).

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code. The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

I am exempt under Sec. \_\_\_\_\_ B & PC for this reason: \_\_\_\_\_

Date \_\_\_\_\_ Owner Signature \_\_\_\_\_

**IN ISSUING THIS BUILDING PERMIT,** the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 8/25/00 Applicant/Agent Signature [Signature]

**WORKER'S COMPENSATION DECLARATION:** I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Progressive Commercial Policy Number ECF182934 Exp Date 1/19/01

This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 8/25/00 Applicant Signature [Signature]

**WARNING:** FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

**THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.**

**MEMORANDUM**

**SACRAMENTO FIRE DEPARTMENT**

**TO:** BUILDING DEPARTMENT

**DATE:** 10-9-00

**FROM:** Troy Malaspino  
Fire Marshal

**SUBJECT:** FIRE SYSTEM INSPECTION

A final inspection of the newly installed fire system at:

1610 ARDEN WAY

Has been conducted by Inspector


S. BODICK

On

10-9-00

<u>00-08559</u> Permit Number	<u>201 1944</u> Square Footage	<u>—</u> Square Footage	<u>NEW UG MAIN. HYD &amp; FDC</u> Type of Inspection
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They system is acceptable by this department.

  
By: Ross L. Woodman,  
Fire Prevention Officer II

00-282  
F.D. Reference Number

# APPLICATION FOR COMMERCIAL BUILDING PERMIT

**CITY OF SACRAMENTO**  
**DEVELOPMENT SERVICES DIVISION**  
**PERMIT SERVICES SECTION**

1231 I Street, Rm. 200  
 Sacramento, CA 95814 (916) 264-7619 FAX 264-7046

ACTIVITY # <span style="font-size: 1.5em;">0008557</span>	Insp. Area <span style="font-size: 1.5em;">4C</span>
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Applicant **MUST** complete ALL Unshaded areas

ADDRESS 11610 Arden Way Suite \_\_\_\_\_  
 PARCEL # Portion of 277-0272-004

<p style="text-align: center;"><b>CONTACT</b></p> Name <u>Sandy Swett</u> Street Address <u>131 Wellfleet Circle</u> City/State/Zip <u>Folsom, CA 95630</u> Phone <u>(916) 983-1033</u> FAX <u>(916) 983-0849</u> E-mail: <u>Swettegty@aol.com</u>	<p style="text-align: center;"><b>LICENSED CONTRACTOR</b> Lic No. # _____</p> Name <u>To follow</u> Address _____ City/State/Zip _____ Phone _____ FAX _____ E-mail: _____
<p style="text-align: center;"><b>ARCHITECT/ENGINEER</b></p> Name <u>Rauschenbach, Marvelli &amp; Becker</u> Address <u>2277 Watt Avenue, 2nd floor</u> City/State/Zip <u>Sacramento, CA 95825</u> Phone <u>(916) 488-8500</u> FAX <u>(916) 488-8566</u> E-mail: _____	<p style="text-align: center;"><b>OWNER</b></p> Name <u>Speiker Prop</u> Address <u>11610 Arden Way, Suite 298</u> City/State/Zip <u>Sacramento, CA</u> Phone <u>(916) 921-5600</u> FAX _____ E-mail: _____

→ Will permittee have any employees on the jobsite?  No  Yes → INSURANCE CO: \_\_\_\_\_  
 → WORKER'S COMPENSATION POLICY # \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

NATURE OF WORK IN DETAIL: Demo, Site excavation & grading / new DI  
& water line / New Ltg / undergrnd / ~~undergrnd~~

OCCUPANT/TENANT: Jared Jewelry VALUATION: \$ 12,000<sup>00</sup>

FLOOD STATUS:				S.C.A.T.						
JOB DESCRIPTION		BLDG	SHELL	APT	TI ( )	REM ( )	SW	FIRE	ADD	(OTH)
INSPECTION DISCIPLINES		(BLDG)	MECH	(PLUMB)	(ELEC)	SITE		(FIRE)		
# Stories	1st fir Area	Total Area	Use Zone	Occp Group	Const type	Fire Req. Y (N)	Fed Code	Spr. Alarm		Vio. File [H] [Quad]
(R)	(L)	(P)	M	(E)	F	(S)	D	PW		UTIL
						20		754		

COMMENTS: related to 0007372C

REGIONAL SANITATION FEES?  Yes  No      HEALTH DEPARTMENT?  Yes  No

WATER FLOW TEST FOR NEW BUILDINGS OR ADDITIONS?  Provided  Faxed

Date of Request: \_\_\_\_\_  
By: \_\_\_\_\_

**CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION  
PLANNING AND ZONING INFORMATION REQUEST**

Project Address: 1610 Arden Way

Assessor's Parcel Number: 277-0272-004

Previous Use: Vacant

Description of Request/Proposed Use: Retail  
- Grading Only

Is This a Change of Use? \_\_\_\_\_

Zoning Designation: PT WEST PUD  
SCR PUD

Prior Applications for Project Site(P#, Z#, DRPB#): POO-052

Comments: \_\_\_\_\_

Grading completed  
conducted prior to  
approval of SP

Are There Any Planning Issues?: (circle one) YES NO  
\* Staff Site Plan Check Required? (Circle one) YES NO  
\* Field Inspection Required? (Circle one) YES NO  
\* Design Review/Preservation Required?: (Circle one) YES NO

Planning Review by/Date: Admitt 7-26-00

But this does not obligate the City's final (EPC) of the project or City Council

A list of items that must be reviewed by Planning is provided on the reverse side of this form. City Council

MICROFILM AFTER FINAL



PLANNING AND BUILDING  
DEPARTMENT

**CITY OF SACRAMENTO**  
CALIFORNIA

1231 I STREET  
ROOM 300  
SACRAMENTO, CA  
95814-2998

PLANNING DIVISION

PLANNING  
916-264-5381  
FAX 916-264-5328

July 18, 2000

Ms. Ruth Haag  
Cedarwood Developments

SUBJECT: Environmental (P00-052)

Dear Ms. Haag:

The Environmental Services Manager has determined that the proposed project is exempt from environmental review pursuant to State EIR Guidelines (CEQA Section 15332). No review is required since this is an infill project and approval of this project would not result in any significant effects relating to traffic, noise, air or water quality.

If you have any questions, please contact me at (916) 264-2944.

Sincerely,

Ted Kozak  
Assistant Planner

c: P00-052

## PLAN CHECK ROUTING PROCEDURE

Date Received: <u>7-26-00</u>	Plan Check #: <u>0008557</u>
Project: <u>JAPED LUNCHERY STORE</u>	
Address: <u>1610</u>	
Legal Description: <u>NEW UNDERGROUND UTILITY</u>	
Contact Person: <u>SANDY SWIFT</u>	Telephone: <u>988-1033</u>
Address: <u>131 WILFLEET CR</u>	
Architect or Civil Engineer: <u>KAUSCH ENRACIK, MARVUSKA</u> Telephone: <u>488-8500</u>	

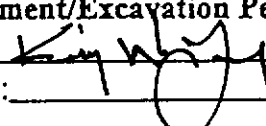
### PUBLIC WORKS - DEVELOPMENT SERVICES STREET IMPROVEMENTS

Approved: _____	Date Received: _____
Total frontage length of New Street Improvements: _____ ft	
Comments: _____	
Right of Way Dedication : _____	Approved _____ Disapprove _____
Public Improvement Agreement: _____	Approved _____ Disapprove _____
Surety Bond, etc. : _____	Approved _____ Disapprove _____
Staking and Inspection Fee : _____	\$ _____

### PUBLIC WORKS - DEVELOPMENT SERVICES DRIVEWAY

Driveway Required: <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Received: _____
Approved: _____	Disapproved: _____
Removal of abandoned driveway: _____	
Comments: _____	

### PUBLIC WORKS - DEVELOPMENT SERVICES ENCROACHMENT/EXCAVATION PERMIT

Encroachment/Excavation Permit Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Approved: <u></u>	Disapproved: _____
Comments: _____	

### DEPT. OF UTILITIES DRAINAGE, SEWER, & WATER

Approved: _____	Date Received: _____
Comments: _____	Disapproved: _____

### PLANNING AND DEVELOPMENT SERVICES SITE CONDITIONS

Approved: _____	Approved with Changes: _____	Date Received: _____	Disapproved: _____
Review Zone: _____	Special Permit: _____	Variances: _____	
Parking Spaces Furnished: _____	Parking Spaces Required: _____		
Comments: _____			

**City of Sacramento**  
**Water and Sewer Service Quotation**  
 FY 99/00

*ENTERED IN  
 CAMP 8-25-00  
 LB*

Date: <b>08/21/00</b>	Time:	Planning No.: <b>P00-052</b>	Plan Check No.: <b>0008557</b>
Address: <b>1610 Arden Way</b>			Parcel No.: <b>277-0272-004</b>
Description: <b>Jared Galleria of Jewelry</b>			
Subdivision Map: <b>Point West (676)</b>			Water Page No.: <b>13N/14N</b>
Estimate By: <b>Dilley/PVR</b>		Project Engineer: <b>Ryan O'keefe</b>	
Engineering Firm: <b>Morton &amp; Pitalo</b>		Phone No.: <b>927-2400</b>	
		Fax No.: <b>567-0120</b>	
Sewer Jurisdiction: <input checked="" type="checkbox"/> County <input type="checkbox"/> City			
Comment No. 1 <b>Existing 2" metered service, adding RP device.</b>			
Comment No. 2 <b>Existing 6" fire service, adding DC device.</b>			
Comment No. 3			
Comment No. 4			
Comment No. 5			
Comment No. 6			
TOTAL WATER DEV. FEES: <b>\$0</b>			18 hrs x \$75 per hour = \$1,350
TOTAL SEWER DEV. FEES: <b>\$0</b>			or \$300.00 (whichever is greater)
			Total on-site grading and drainage review fee: <b>\$1,350</b>

**Water Service Quotations**

Main Size	Serv. Size			St. Tap	Esmt. Tap	Description	No. of Tap	No. of Meter	Tap Fee/ea.	Meter Fee/ea.	Total Tap cost	Development Fees
	D	I	F									
											\$0	
											\$0	
											\$0	
											\$0	
											\$0	
											\$0	
											\$0	
											\$0	
											\$0	
<b>4" TAP AND 3" METER</b>												
											n/a	
											n/a	
<b>ABANDONMENT</b>												
	Abandon			in.								
	Abandon			in.								
<b>CREDIT</b>												
	Credit for			in.				1				
	Credit for			in.				1				
								0	Fire Hydrant			
Total for Water											\$0	\$0

**COUNTY SEWER**

Main Size	Service Size	Description	QTY	Full St W (FT)	No. OF MH	Total Tap cost	Development Fees
		Development Fee Only				\$0	
		Easement Tap + MH + Dev. Fee				\$0	
		Street Tap + MH + Dev. Fee				\$0	
		Credit					\$0
Total for Sewer						\$0	\$0

Note: Total cost = Qty. x Street/2 x Tap Fee + MH Fee, MH Fee is \$1200.00

Sewer Tap Construction Charge: **\$0**  
 Water Main Construction Charge: **\$0**  
 Total For Address: **\$0**



**1813C**  
**CGA METERED REGULATOR**

GENERAL INFORMATION

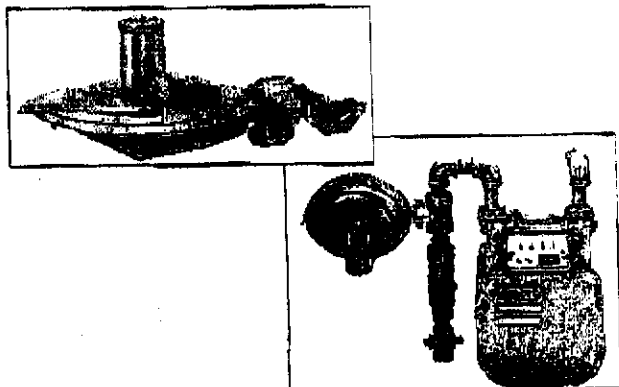
The American Meter Series 1800C pressure regulators are designed for natural gas and propane applications and feature a compact, lightweight design for fast, easy installation. Interchangeable orifices and springs provide a wide range of outlet pressures and flow rates. Outlet pressures between 3.5" W.C. and 2 PSIG are available. Operating temperature range is 0 to 100 F.

The diaphragm can be easily removed for routine inspection without disturbing the line connections. All models conform to ANSI Code B31.8c-1994, and CGA M95.

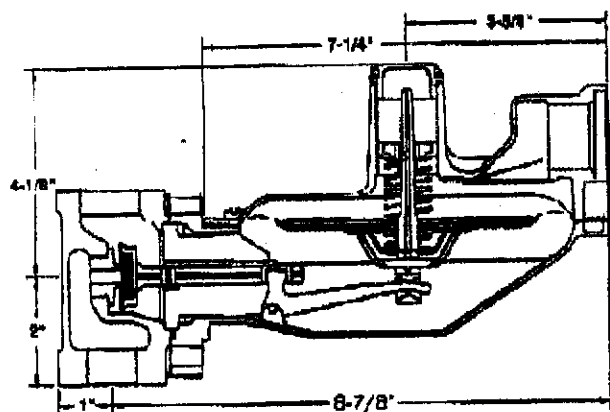
APPLICATION

The model 1813C features a full capacity internal relief valve with large passages to assure the fast release of gas. For added protection, a relief valve stop is provided to assure operation under the most severe conditions. The standard relief spring setting is 8" W.C. above the normal 7" W.C. outlet pressure.

The 1813C is designed with an extra large, removable weather and bug-proof stainless steel screened vent to resist freeze-ups and to exclude foreign matter. The vent is threaded 1" NPT.



- Compact and lightweight
- Full capacity internal relief
- Die cast aluminum body
- Corrosion resistant finish
- Suitable for natural gas and propane applications
- Line sizes: 3/4", 1", 1 1/4"
- 1" threaded vent
- Maximum flowrate 2500 CFH
- Maximum inlet pressure 125 PSI
- Outlet pressures: 3.5" W.C. to 2 PSIG
  - 3.5" - 6" W.C.
  - 5.5 - 8.5" W.C.
  - 6" - 15" W.C. (Standard)
  - 12" - 28" W.C.
  - 24" - 48"



1/2" 1" Inlet: 1" as shown  
 1 1/2" Inlet: 1 1/8"



Miners & Pisani, Inc.

California  
 2010 Fallon Drive, San Leandro, CA 94687  
 Tel: 510 884 0000 Fax: 510 884 0007  
 800 440 0101

Washington  
 P.O. Box 1258, Issaquah, WA 98027  
 Tel: 360 884 3000 Fax: 360 884 3000  
 800 440 0101

IMPORTANT AT FINAL





**1813C**  
GAS PRESSURE REGULATOR

**MICROFILM AT FINAL**

**1800C Regulator Capacity Performance**

**Capacity 3/4" Outlet 1800C Regulator**  
Set Point 7.0" W.C. @ 50 SCFH

SCFH 0.60 specific gravity gas @ 60° F & 14.7 PSIA. Pressure spring 70017P044. Outlet pressure variance not to exceed ±2" W.C. from set point, horizontal position.

Inlet (PSIG)	Outlet Size						
	1/2 x 3/16	3/16	1/4	3/16	1/2	1/2	3/16
1		175	250	325	350	400	400
2		300	425	475	550	650	650
3		375	500	600	700	800	800
5	275	500	700	800	850	1800	1200
10	375	750	1100	1200	1400	1500	1700
15	450	850	1400	1500	1800	1900	2000
20	500	1100	1700	1700	1900	2200	2300
30	700	1400	2000	2200	2400	2500	
40	800	1700	2400	2500	2500		
60	1100	2300	2500	2500			
100	1700	2800	2500				
125	2100						

For optimum performance, maximum inlet pressure should not exceed maximum capacity rating for any given outlet size.

**Capacity 1" Outlet 1800C Regulator**  
Set Point 7.0" W.C. @ 50 SCFH

SCFH 0.60 specific gravity gas @ 60° F & 14.7 PSIA. Pressure spring 70017P044. Outlet pressure variance not to exceed ±2" W.C. from set point, horizontal position.

Inlet (PSIG)	Outlet Size						
	1/2 x 3/16	3/16	1/4	3/16	1/2	1/2	3/16
1		175	250	300	375	475	500
2		250	350	450	500	600	650
3		300	450	550	700	850	850
5	300	450	650	750	850	1200	1800
10	500	750	1050	1400	1800	1800	2000
15	425	800	1400	1900	2100	2300	2500
20	500	1100	1700	2300	2500	2600	
30	600	1400	2300	2500	2500		
40	750	1700	2500	2500			
60	1000	2400	2500				
100	1800	2800					
125	2000						

For optimum performance, maximum inlet pressure should not exceed maximum capacity rating for any given outlet size.

**Capacity 1-1/4" Outlet 1800C Regulator**  
Set Point 7.0" W.C. @ 50 SCFH

SCFH 0.60 specific gravity gas @ 60° F & 14.7 PSIA. Pressure spring 70017P044. Outlet pressure variance not to exceed ±2" W.C. from set point, horizontal position.

Inlet (PSIG)	Outlet Size						
	1/2 x 3/16	3/16	1/4	3/16	1/2	1/2	3/16
1		300	325	350	375	475	500
2		425	500	600	700	850	1400
3		525	650	850	1200	1700	1900
5	275	650	1000	1400	2100	2500	2500
10	375	850	1800	2400	2500	2500	2900
15	450	1000	1800	2500	2500	2500	
20	550	1200	2100				
30	700	1800					
40	800						
60	1100						
100	1400						

For optimum performance, maximum inlet pressure should not exceed maximum capacity rating for any given outlet size.

**Capacity 3/4" Outlet 1800C Regulator**  
Set Point 2 PSIG @ 50 SCFH

SCFH 0.60 specific gravity gas @ 60° F & 14.7 PSIA. Pressure spring 70017P049. Outlet pressure variance not to exceed ±10% from set point, horizontal position.

Inlet (PSIG)	Outlet Size						
	1/2 x 3/16	3/16	1/4	3/16	1/2	1/2	3/16
1		150	175	300	325	375	400
2		250	325	450	525	575	700
3		325	450	525	625	700	750
5	275	450	600	625	700	1200	1300
10	375	650	700	825	900	1200	1300
15	450	750	800	1100	1300	1500	1800
20	500	850	1000	1300	1500	1800	
30	700	1200	1500	1800	2100		
40	800	1500	2000	2200			
60	1100	2100	2500				
100	1700	2800					
125	2100						

For optimum performance, maximum inlet pressure should not exceed maximum capacity rating for any given outlet size.

**Capacity 1" Outlet 1800C Regulator**  
Set Point 2 PSIG @ 50 SCFH

SCFH 0.60 specific gravity gas @ 60° F & 14.7 PSIA. Pressure spring 70017P049. Outlet pressure variance not to exceed ±10% from set point, horizontal position.

Inlet (PSIG)	Outlet Size						
	1/2 x 3/16	3/16	1/4	3/16	1/2	1/2	3/16
1		150	225	250	300	425	500
2		225	300	450	500	650	700
3		300	400	550	600	750	800
5	275	400	700	850	1000	1200	1800
10	375	600	1000	1100	1400	1700	2000
15	425	800	1000	1100	1400	1700	2000
20	500	1000	1200	1300	1500	1800	
30	600	1200	1500	1800	2000	2200	
40	700	1500	1800	2000	2200		
60	1100	2200	2500	2800			
100	1700	2800					
125	2100						

For optimum performance, maximum inlet pressure should not exceed maximum capacity rating for any given outlet size.

**Capacity 1-1/4" Outlet 1800C Regulator**  
Set Point 2 PSIG @ 50 SCFH

SCFH 0.60 specific gravity gas @ 60° F & 14.7 PSIA. Pressure spring 70017P049. Outlet pressure variance not to exceed ±10% from set point, horizontal position.

Inlet (PSIG)	Outlet Size						
	1/2 x 3/16	3/16	1/4	3/16	1/2	1/2	3/16
1		150	225	350	375	425	550
2		225	350	500	600	700	800
3		300	400	550	650	750	850
5	275	400	700	850	1100	1200	1800
10	375	600	1000	1100	1200	1700	2200
15	425	800	1200	1300	1800	2000	2500
20	500	1000	1500	1600	2000	2200	
30	600	1200	1800	2000	2200	2500	
40	700	1500	2000	2200	2500		
60	1100	2200	2500	2800			
100	1700	2800					
125	2100						

For optimum performance, maximum inlet pressure should not exceed maximum capacity rating for any given outlet size.



Miners & Pisani, Inc.

California  
2010 Farallon Drive, San Leandro, CA 94577  
Tel: 510-352-8040 \* Fax: 510-352-2307  
800-446-8181

Washington  
P.O. Box 1288, Issaquah, WA 98027  
Tel: 425-382-4820 \* Fax: 425-557-0384  
800-528-3813

**REGULATOR OUTLET BUSHING MODEL, B-SIZE (9/16-18)**

Replaces outlet bushing in most regulators. Flow capacity is 1000 SCFH at 50 PSI. Regulator type Check Valve is easily seen and less subject to contamination, abuse and damage. Use Teflon® thread seal tape on 1/4 NPT tapered threads.



DESCRIPTION (In.)	PART NO.
CGA-022 Oxygen RH, 1/4 NPT Male To B-Size Male	CV-32R
CGA-023 Fuel Gas LH, 1/4 NPT Male To B-Size Male	CV-33L

**1/4" NPT INLINE CHECK VALVES, TO 200 PSI (1400 kPa)**

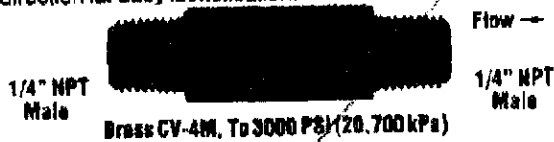
These 1/4 NPT Check Valves feature compact design and low open/close pressures: 3 oz. to open valve and 10 oz. of reverse pressure for positive valve closing. Available in three styles for a wide variety of applications. Flow characteristics match those presented in the Flow Specification Chart presented on this page for B-Size Check Valves.



DESCRIPTION (In.)	PART NO.
1/4 NPT Male To 1/4 NPT Male	CV-4
1/4 NPT Female To 1/4 NPT Male (Flow M To F)	CV-5
1/4 NPT Male To 1/4 NPT Female (Flow F To M)	CV-6

**INLINE NPT CHECK VALVES, HEAVY DUTY**

Check Valves presented here are designed for service in demanding applications. All styles feature excellent open/close pressures: 3 PSI to open the valve and 10 PSI of reverse pressure for positive valve closing. Check Valve seat material is durable Ethylene Propylene (EPDM). Check Valve body is stamped with flow direction for easy identification.



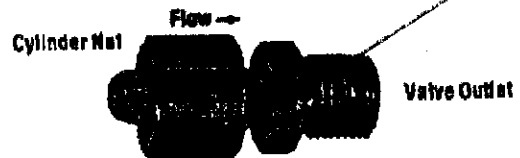
Stainless Steel CVF-4MSS, To 6000 PSI (41,300 kPa)

DESCRIPTION (In.)	PART NO.
Brass, 1/4 NPT Male Inlet To Male Outlet	CV-4M
Brass, 3/8 NPT Male Inlet To Male Outlet	CV-4M
Brass, 1/4 NPT Female Inlet To Male Outlet	CVF-4M
Brass, 1/4 NPT Male Inlet To Female Outlet	CVM-4F
St Steel, 1/4 NPT Male Inlet To Male Outlet	CV-4MSS
St Steel, 1/4 NPT Female Inlet To Male Outlet	CVF-4MSS
St Steel, 1/4 NPT Male Inlet To Female Outlet	CVM-4FSS

*Always Match Flow To Application • See Charts Provided*

**CHECK VALVE ADAPTORS, SAME CGA BOTH ENDS**

Other Models Available Upon Request



DESCRIPTION	PART NO.
CGA-346 Air RH, Female	CV-346
CGA-540 Oxygen RH, Female	CV-540

*Always Match Flow To Application • See Charts Provided*

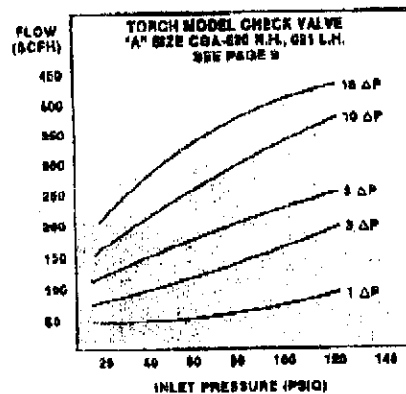
**CGA CYLINDER ADAPTORS WITH CHECK VALVES**



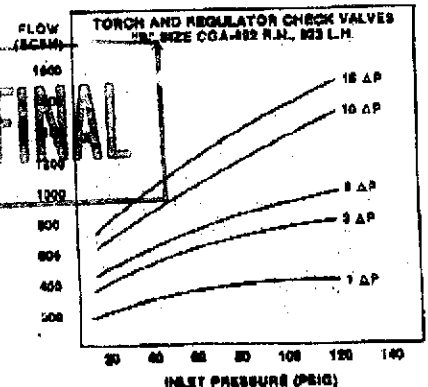
Cylinder Adaptors (see Table of Contents) may be ordered with Check Valves installed in the Cylinder nipple. Adaptors are available from stock for compatible gases only. To order Cylinder Adaptors with Check Valves, add -CV to the Adaptor Part No. For example, Adaptor 15 becomes 15-CV when Check Valve is desired.

**CHECK VALVE FLOW SPECIFICATION CHARTS**

Flow curves presented here are based on air at 70°F. To convert flows of other gases, multiply by the appropriate conversion factor listed:



Gas	Conversion Factor
Air	1.0
Acetylene	0.5
Argon	0.27
Buthane	0.35
Carbon Dioxide	0.5
Helium	3.42
Hydrogen	3.16
Hydrocarbons	0.35
Isobutane	0.35
Low Pressure Oxygen	0.26
Nitrogen	0.27
Oxygen	0.26
Propane	0.35
Refrigerant	0.35
Stainless Steel	0.35
Unlubricated Air	0.35
Unlubricated Oxygen	0.26
Unlubricated Nitrogen	0.27
Unlubricated Hydrocarbons	0.35



**MICROFILM AT FINAL**