

2561

MODEL



ECONOMICAL

MODEL SHOWN:
2561-125C-540

DESCRIPTION

The Model 2561 is an economical two-stage regulator for welding and similar applications where neoprene diaphragms are acceptable. It is used when constant delivery pressure is required over a wide range of inlet pressures.

DETAILS

Capacity: Medium to heavy duty

C_v: 0.15

Gauges: 2" Steel

Pressure Regulation:
0.04 PSIG/100 PSIG

Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® seat

Certifications: CGA E-4

Weight: 4.8 lbs./2.18 kg.



Additional Technical Information: PG. 184

PART NO.	MODEL NO.	GAS	MAX. INLET PSIG	DELIVERY PRESSURE RANGE PSIG	DELIVERY PRESSURE GAUGE PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3300910	2561-15C-300	ACETYLENE	500	0 - 15	30RZ	400	CGA 300	1/8" - 18LH
3300909	2561-15C-510	ACETYLENE	500	0 - 15	30RZ	400	CGA 510	1/8" - 18LH
3300911	2561-50C-510P	LPG*	500	0 - 50	60	400	CGA 510	1/8" - 18LH
3300916	2561-125C-540	OXYGEN	3000	0 - 125	200	4000	CGA 540	1/8" - 18RH
3300912	2561-125C-580	Ar, He, N ₂	3000	0 - 125	200	4000	CGA 580	1/8" - 18RH**

*Regulators designed specifically for propane service can be used with any of the other welding grade liquid petroleum gases. NOT FOR USE WITH ACETYLENE.

**Includes 1/8" adaptor - P/N: 9000002

PRO INFO

TYPICAL CYLINDER SIZE WEIGHT AND CONTENT DATA

The data below, along with the oxy-acetylene tip charts in this catalog, can aid in estimating the minimum cylinder size requirements and/or the maximum tip size recommended for a particular oxy-acetylene application.

Acetylene consumption rate from tip chart x 7 = Minimum Cylinder Size in cubic feet (@60° F).

Cylinder size in cubic feet/7 = Maximum Cylinder Withdrawal Rate in SCFH (@60° F).

OXYGEN

SIZE	CU. FT.	HEIGHT	WEIGHT FULL
R	20	14"	14 lbs.
AXL	58	41"	54 lbs.
Q	92	35"	70 lbs.
D	125	48"	124 lbs.
S	155	51"	92 lbs.
K	251	56"	153 lbs.
H	281	56"	162 lbs.
T	337	60"	172 lbs.

ACETYLENE

SIZE	CU. FT.	HEIGHT	WEIGHT FULL
MC	8	14"	8 lbs.
B	33	23"	26 lbs.
2AWQ	55	31"	61 lbs.
NO.4	90-150	36"	113 lbs.
NO.4	151-230	37.5"	150 lbs.
NO.5WK	250-380	43.5"	200 lbs.

Data above may vary slightly because of ambient temperature, cylinder conditions, etc.

9296

MODEL



GENERAL PURPOSE NEOPRENE DIAPHRAGM

MODEL SHOWN:
9296-125-540

DESCRIPTION

The Model 9296 is a standard for general purpose, laboratory, industrial and welding applications where neoprene diaphragms are acceptable. It is designed for applications where a constant delivery pressure is required over a wide range of inlet pressures. Low pressure models feature neoprene seats (NC).

DETAILS

Capacity: Heavy duty

C_v: 0.15

Gauges: 2" steel

Pressure Regulation:
0.04 PSIG/100 PSIG

Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® or neoprene seats (NC)

Certifications: CGA E-4

Weight: 4.8 lbs./2.18 kg.



Additional Technical Information: PG. 184

PART NO.	MODEL NO.	GAS	MAX. INLET PSIG	DELIVERY PRESSURE RANGE PSIG	DELIVERY PRESSURE GAUGE PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3302600	9296NC-15-300	ACETYLENE	500	0 - 15	30RZ	400	CGA 300	5/16" - 18 LH
3302601	9296NC-15-510	ACETYLENE	500	0 - 15	30RZ	400	CGA 510	5/16" - 18 LH
3302602	9296-50-510P	LPG*	500	0 - 50	60	400	CGA 510P	5/16" - 18 LH
3302610	9296NC-15-350	H ₂ , METHANE	3000	0 - 15	30	4000	CGA 350	5/16" - 18 LH
3302611	9296-50-350	H ₂ , METHANE	3000	0 - 50	60	4000	CGA 350	5/16" - 18 LH
3302612	9296-125-350	H ₂ , METHANE	3000	0 - 125	150	4000	CGA 350	5/16" - 18 LH
3302613	9296-250-350	H ₂ , METHANE	3000	0 - 250	400	4000	CGA 350	1/4" NPT (F)
3302603	9296-50-540	OXYGEN	3000	0 - 50	60	4000	CGA 540	5/16" - 18 RH
3302604	9296-125-540	OXYGEN	3000	0 - 125	150	4000	CGA 540	5/16" - 18 RH
3302605	9296-250-540	OXYGEN	3000	0 - 250	400	4000	CGA 540	1/4" NPT (F)
3302606	9296NC-15-580	Ar, He, N ₂	3000	0 - 15	30	4000	CGA 580	5/16" - 18 RH (F)
3302607	9296-50-580	Ar, He, N ₂	3000	0 - 50	60	4000	CGA 580	5/16" - 18 RH (F)
3302608	9296-125-580	Ar, He, N ₂	3000	0 - 125	150	4000	CGA 580	5/16" - 18 RH (F)
3302609	9296-250-580	Ar, He, N ₂	3000	0 - 250	400	4000	CGA 580	1/4" NPT (F)
3302614	9296-50-320	CO ₂	3000	0 - 50	60	4000	CGA 320	5/16" - 18 RH (F)
3302615	9296-125-320	CO ₂	3000	0 - 125	150	4000	CGA 320	5/16" - 18 RH (F)
3302616	9296-250-320	CO ₂	3000	0 - 250	400	4000	CGA 320	1/4" NPT (F)

*Regulators designed specifically for propane service can be used with any of the other welding grade liquid petroleum gases. NOT FOR USE WITH ACETYLENE.



THE HARRIS PRODUCTS GROUP
www.harrisproductsgroup.com

Orders: 1.800.733.4043

9296SS MODEL



GENERAL PURPOSE STAINLESS STEEL DIAPHRAGM

MODEL SHOWN:
9296SS-125-540

DESCRIPTION

The Model 9296SS with a stainless steel-diaphragm is recommended for applications where outgassing and/or permeation are concerns. It is also designed for applications where a constant delivery pressure is required over a wide range of inlet pressures.

DETAILS

Capacity: Heavy duty

C_v: 0.15

Gauges: 2" Brass

Pressure Regulation:
0.04 PSIG/100 PSIG

Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® seat

Certifications: CGA E-4

Weight: 5.4 lbs./2.45 kg.



Additional Technical Information: PG. 185

PART NO.	MODEL NO.	GAS	MAX. INLET PSIG	DELIVERY PRESSURE RANGE PSIG	DELIVERY PRESSURE GAUGE PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3302681	9296SS-15-510	ACETYLENE	500	0 - 15	30RZ	400	CGA 510	3/8" - 18 LH
3302693	9296SS-15-350	H ₂ , METHANE	3000	0 - 15	30	4000	CGA 350	3/8" - 18 LH
3302694	9296SS-50-350	H ₂ , METHANE	3000	0 - 50	60	4000	CGA 350	3/8" - 18 LH
3302695	9296SS-125-350	H ₂ , METHANE	3000	0 - 125	150	4000	CGA 350	3/8" - 18 LH
3302696	9296SS-250-350	H ₂ , METHANE	3000	0 - 250	400	4000	CGA 350	1/4" NPT (F)
3302683	9296SS-50-540	OXYGEN	3000	0 - 50	60	4000	CGA 540	3/8" - 18 RH
3302684	9296SS-125-540	OXYGEN	3000	0 - 125	150	4000	CGA 540	3/8" - 18 RH
3302685	9296SS-250-540	OXYGEN	3000	0 - 250	400	4000	CGA 540	1/4" NPT (F)
3302697	9296SS-50-590	IND. AIR	3000	0 - 50	60	4000	CGA 590	1/4" NPT (M)
3302698	9296SS-125-590	IND. AIR	3000	0 - 125	150	4000	CGA 590	1/4" NPT (M)
3302699	9296SS-250-590	IND. AIR	3000	0 - 250	400	4000	CGA 590	1/4" NPT (M)
3302701	9296SS-50-346	MEDICAL AIR	3000	0 - 50	60	4000	CGA 346	3/8" - 18 RH (F)
3302702	9296SS-125-346	MEDICAL AIR	3000	0 - 125	150	4000	CGA 346	3/8" - 18 RH (F)
3302703	9296SS-250-346	MEDICAL AIR	3000	0 - 250	400	4000	CGA 346	1/4" NPT (F)
3302686	9296SS-15-580	Ar, He, N ₂	3000	0 - 15	30	4000	CGA 580	3/8" - 18 RH (F)
3302687	9296SS-50-580	Ar, He, N ₂	3000	0 - 50	60	4000	CGA 580	3/8" - 18 RH (F)
3302688	9296SS-125-580	Ar, He, N ₂	3000	0 - 125	150	4000	CGA 580	3/8" - 18 RH (F)
3302689	9296SS-250-580	Ar, He, N ₂	3000	0 - 250	400	4000	CGA 580	1/4" NPT (F)
3302690	9296SS-50-320	CO ₂	3000	0 - 50	60	4000	CGA 320	3/8" - 18 RH (F)
3302691	9296SS-125-320	CO ₂	3000	0 - 125	150	4000	CGA 320	3/8" - 18 RH (F)
3302692	9296SS-250-320	CO ₂	3000	0 - 250	400	4000	CGA 320	1/4" NPT (F)

*Regulators designed specifically for propane service can be used with any of the other welding grade liquid petroleum gases. NOT FOR USE WITH ACETYLENE.



“HARRIS MAKES PRODUCTS THAT ARE DURABLE AND BUILT TO LAST, THAT’S WHY WE OFFER A 7-YEAR WARRANTY ON OUR MOST POPULAR INDUSTRIAL REGULATORS.”

9200

MODEL



HEAVY DUTY

MODEL SHOWN:
9200NC-15-510

DESCRIPTION

The Model 9200 is a standard for general purpose laboratory, industrial and welding applications. It is designed for applications where a constant delivery pressure is required over a wide range of inlet pressures. The model 9200 has neoprene diaphragms and is equipped with a self-reseating relief valve.

DETAILS

Capacity: Heavy duty

C_v: 0.53 for LP fuel models;
0.37 for other models

Gauges: 2.5" brass

Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® or neoprene seats (NC)

Pressure Regulation:

0.05 PSIG/100 PSIG LP models
and 0.03 PSIG/100 PSIG other models

Certifications: CGA E-4

Weight: 6.8 lbs./3.08 kg.



Additional Technical Information: PG. 186

PART NO.	MODEL NO.	GAS	MAX. INLET PSIG	DELIVERY PRESSURE RANGE PSIG	DELIVERY PRESSURE GAUGE PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3302210	9200NC-15-300	ACETYLENE	500	0 - 15	30RZ	400	CGA 300	1/16" - 18 LH
3302211	9200NC-15-510	ACETYLENE	500	0 - 15	30RZ	400	CGA 510	1/16" - 18 LH
3302212	9200-50-510P	LPG**	500	0 - 50	100	400	CGA 510P	1/16" - 18 LH
3302215	9200-200-540	OXYGEN	540	0 - 200	400	4000	CGA 580	9/16" - 18 RH (M)
3302293	9200NC-2-350	H ₂ , METHANE	3000	0 - 2	5	4000	CGA 350	1/4" NPT VALVE
3302220	9200NC-15-350	H ₂ , METHANE	3000	0 - 15	30	4000	CGA 350	5/16" - 18 LH
3302221	9200-50-350	H ₂ , METHANE	3000	0 - 50	100	4000	CGA 350	5/16" - 18 LH
3302222	9200-125-350	H ₂ , METHANE	3000	0 - 125	200	4000	CGA 350	5/16" - 18 LH
3302223	9200-200-350	H ₂ , METHANE	3000	0 - 200	400	4000	CGA 350	5/16" - 18 LH
3302213	9200-50-540	OXYGEN	3000	0 - 50	100	4000	CGA 540	5/16" - 18 RH
3302214	9200-125-540	OXYGEN	3000	0 - 125	200	4000	CGA 540	5/16" - 18 RH
3302224	9200-50-346	AIR	3000	0 - 50	100	4000	CGA 346	5/16" - 18 RH
3302225	9200-125-346	AIR	3000	0 - 125	200	4000	CGA 346	5/16" - 18 RH
3302226	9200-200-346	AIR	3000	0 - 200	400	4000	CGA 346	5/16" - 18 RH
3302227	9200-50-590	IND. AIR	3000	0 - 50	100	4000	CGA 590	5/16" - 18 RH
3302228	9200-125-590	IND. AIR	3000	0 - 125	200	4000	CGA 590	1/4" - 18 NPT (M)
3302229	9200-250-590	IND. AIR	3000	0 - 250	400	4000	CGA 590	1/4" - 18 NPT (M)
3302292	9200NC-2-580	Ar, He, N ₂	3000	0 - 2	5	4000	CGA 580	1/4" NPT VALVE
3302284	9200NC-5-580	Ar, He, N ₂	3000	0 - 5	15	4000	CGA 580	5/8" - 18 RH (F)
3302216	9200NC-15-580	Ar, He, N ₂	3000	0 - 15	30	4000	CGA 580	5/8" - 18 RH (F)
3302217	9200-50-580	Ar, He, N ₂	3000	0 - 50	100	4000	CGA 580	5/8" - 18 RH (F)
3302218	9200-125-580	Ar, He, N ₂	3000	0 - 125	200	4000	CGA 580	5/8" - 18 RH (F)
3302219	9200-200-580	Ar, He, N ₂	3000	0 - 200	400	4000	CGA 580	5/8" - 18 RH (F)
3302276	9200-15-320	CO ₂	3000	0 - 15	30	4000	CGA 320	5/8" - 18 RH (F)
3302273	9200-50-320	CO ₂	3000	0 - 50	100	4000	CGA 320	5/8" - 18 RH (F)
3302274	9200-125-320	CO ₂	3000	0 - 125	200	4000	CGA 320	5/8" - 18 RH (F)
3302275	9200-250-320	CO ₂	3000	0 - 250	400	4000	CGA 320	5/8" - 18 RH (F)

*Regulators designed specifically for propane service can be used with any of the other welding grade liquid petroleum gases. NOT FOR USE WITH ACETYLENE.



THE HARRIS PRODUCTS GROUP
www.harrisproductsgroup.com

Orders: 1.800.733.4043

9235

MODEL



TWO-STAGE MANIFOLD

MODEL SHOWN:
9235-350-350

DESCRIPTION

The Model 9235 is a high flow two-stage manifold regulator. Typical applications for the 9235 are gas purging, gas blanketing, pressure testing and other high flow applications. Outlet body port is 3/8" NPT (F).

DETAILS

Capacity: Heavy duty
C_v: 0.40
Gauges: 2.5" brass
Pressure Regulation:
 .05 PSIG/100 PSIG

Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® seat
Certifications: CGA E-4
Weight: 6.9 lbs./3.13 kg.



Additional Technical Information: PG. 187

PART NO.	MODEL NO.	GAS	MAX. INLET PSIG	DELIVERY PRESSURE RANGE PSIG	DELIVERY PRESSURE GAUGE PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3302300	9235-350-350	H ₂ , METHANE	3000	0-350	600	4000	CGA 350	1/4" NPT (M)
3302301	9235-350-540	OXYGEN	3000	0-350	600	4000	CGA 540	1/4" NPT (M)
3302302	9235-350-580	Ar, He, N ₂	3000	0-350	600	4000	CGA 580	1/4" NPT (M)

HP705

MODEL



HIGH FLOW CO₂

MODEL SHOWN:
HP705-125-320-A-1

DESCRIPTION

The Model HP705 is an electrically heated two-stage regulator used for non-corrosive liquefied gases or gas mixtures with up to 3000 PSIG inlet pressure. It has a stainless steel diaphragm and is suitable for chemical storage blanketing, CO₂ incubators, inert gas purging and Ph control. Chrome plated brass construction.

DETAILS

Capacity: Heavy duty
C_v: 0.15
Gauges: 2.5" Chrome-plated brass
Pressure Regulation:
 0.9 PSIG/100 PSIG
Seat: One-piece encapsulated seat design with internal filter and PTFE Teflon® seat

Certifications: CGA E-4, electrical components UL® listed
Flow Capacity: CO₂-up to 500 SCFH peak flow, up to 100 SCFH continuous
Heater: 200 watt 120 or 240 VAC
Weight: 6.8 lbs./3.08 kg.



Additional Technical Information: PG. 187

MODEL NO.	DELIVERY PRESSURE	CGA/INLET FITTING	ACCESSORIES	VOLTAGE
HP 705	DELIVERY 0 - 125 PSIG 0 - 200 PSIG Outlet Gauge (200 psi/14 bar) (400 psi / 28 bar)	320 326 580 000 – No Inlet	A – 1/4" MNPT Needle Valve B – 1/4" NPT (F) Diaph. Valve C – 1/4" NPT (F) Port D – 1/4" MNPT Nipple E – 1/4" Tube Fitting F – 1/8" Tube Fitting G – 1/4" NPT (M) Hose Barb H – 1/8" NPT (M) Hose Barb J – Inert fitting (P/N: 9100986)	1 – 120 VAC 2 – 240 VAC*
SPECIFY CATALOG ORDER CODE				
HP705	125	320	A	1

SAMPLE CODE: HP705-125-320-A-1

*HP 705-200 not available in 240 VAC