

SINGLE-STAGE REGULATOR

FEATURES

UniWeld single stage regulators are widely used for general purpose gas control applications where nominal delivery pressure changes due to decreasing cylinder pressure does not significantly affect operations. Single stage regulators have greater flow capacity than two stage models.

LOCK-IN DELRIN INSERT
BUSHING, FOR SMOOTH
ADJUSTMENT AND
TROUBLE FREE SERVICE

SINGLE STAGE OXYGEN REGULATOR MODEL RV8010

FORGED
BRASS
BONNET
AND BODY

FLEXIBLE STAINLESS STEEL
DIAPHRAGM WITH O-RING
SEAL FOR LONG TERM
RELIABILITY

PISTON-TYPE RESEATING
PRESSURE RELIEF DEVICE
FOR LOW PRESSURE
GAUGE PROTECTION

REMOVABLE BACK
PLUG FOR EASY
SEAT REPAIR

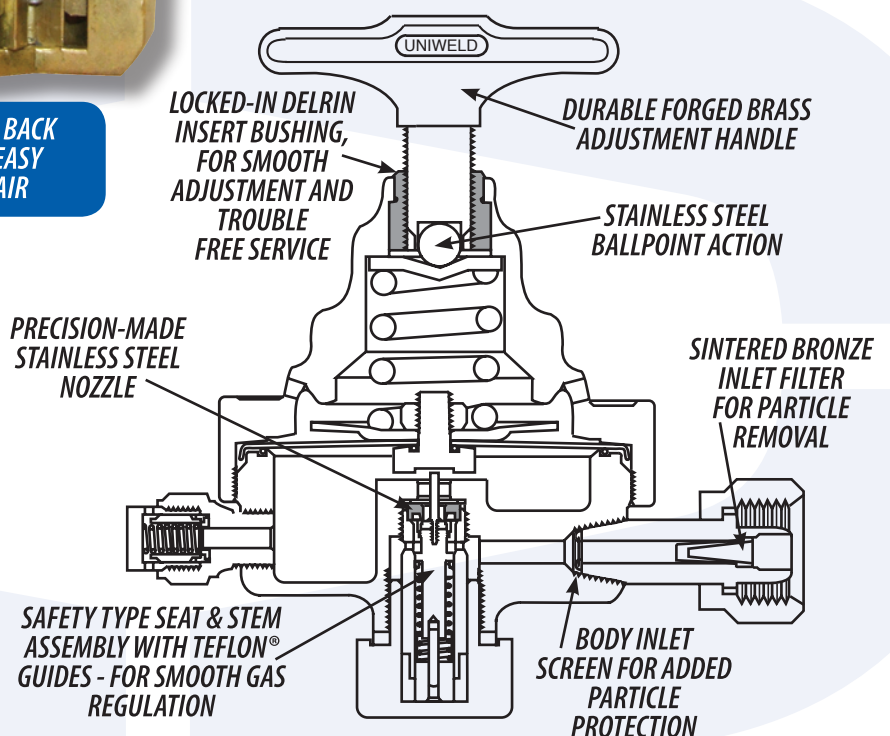
NOTE:

UniWeld regulator flow charts are calculated by using free air at 70°F with the regulator outlet full open with no restrictions.

For maximum flow when converting to other gases, multiply by the correct conversion factor. (See chart on page 73).

EXAMPLE:

Maximum flow free air (RV8010 Oxygen regulator)	8000SCFH
Correction factor Oxygen	X .95
Actual flow Oxygen	7600SCFH





REGULATORS

**TWO
STAGE**

TWO STAGE REGULATOR FEATURES

TWO STAGE OXYGEN REGULATOR MODEL RVT8010

UniWeld two stage regulators are used where steady delivery pressure is required over a range of decreasing cylinder inlet pressures. Delivery pressures will remain constant until inlet pressure is nearly depleted.

**FORGED
BRASS
BONNET**

**FORGED
BRASS
BODY**

**LOCKED-IN DELRIN
INSERT BUSHING
FOR SMOOTH
ADJUSTMENT**

**PRESET FIRST STAGE PROVIDES
REGULATED PRESSURE TO THE ADJUSTABLE
SECOND STAGE THAT PROVIDES
STEADY DELIVERY PRESSURES FOR
SERVICE APPLICATIONS REQUIRING
THIS TYPE OF PERFORMANCE**

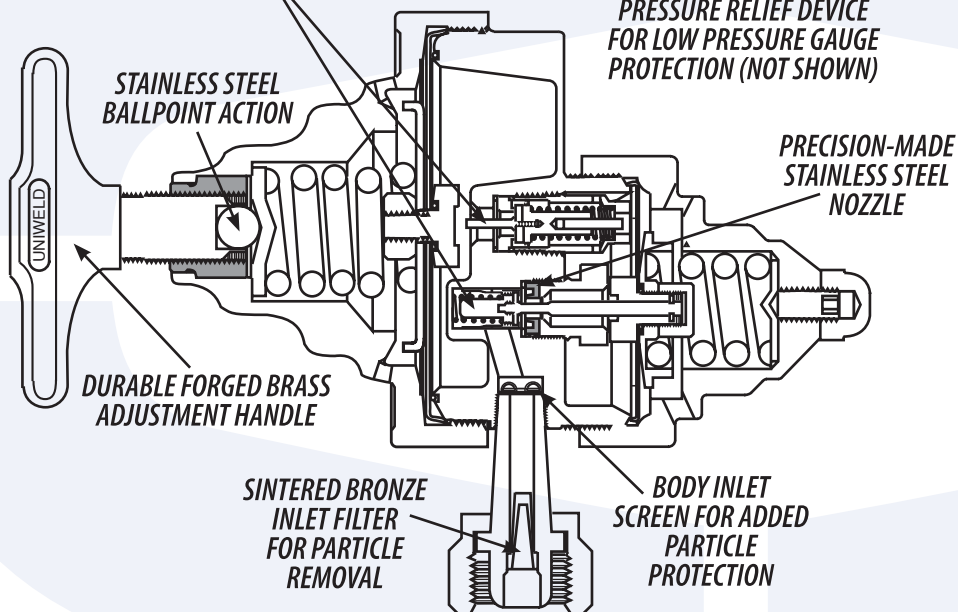
**SAFETY TYPE SEAT & STEM
ASSEMBLY WITH TEFLON®
GUIDES - FOR SMOOTH GAS
REGULATION**

**FLEXIBLE STAINLESS STEEL
DIAPHRAGMS WITH
2ND STAGE O-RING AND
1ST STAGE TEFLON SEALS FOR
LONG TERM RELIABILITY**

**PISTON-TYPE RESEATING
PRESSURE RELIEF DEVICE
FOR LOW PRESSURE GAUGE
PROTECTION (NOT SHOWN)**

GAS CONVERSION CHART

ACETYLENE	1.05
ARGON	.85
CARBON DIOXIDE	.81
COMPRESSED AIR	1.00
HELIUM	2.69
HYDROGEN	3.79
MAPP	.82
METHANE1	1.34
NATURAL GAS	1.28
NITROGEN	1.02
OXYGEN	.95
PROPANE	.80
PROPYLENE	.82

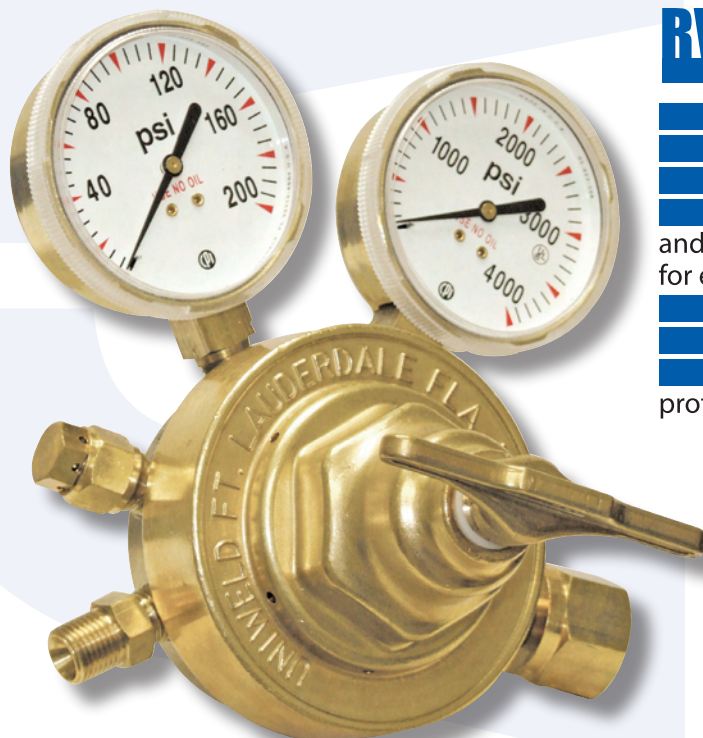


**SINGLE
STAGE**

REGULATORS RV80 SERIES



RV80 SERIES HEAVY DUTY



RV8010

- Forged brass body and bonnet
- Easy-to-read single scale 2-1/2" gauges
- 3-1/4" stainless steel diaphragm
- Heavy duty mechanical stem type seat and nozzle assembly with removable back plug for ease of seat service
- Delrin bushing for smooth flow adjustment
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



RV8011

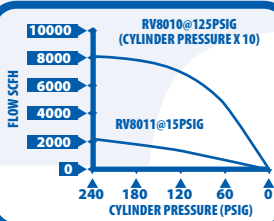


**MAXIMUM INLET
3000 PSIG**

RV80 SERIES DIMENSIONS

Depth:	6-1/2"
Width:	7"
Height:	6-1/2"
Weight:	6 lbs.

Single Stage Regulators have pressure rise of approx. 1/2 psi (.5) per 100 psi drop in cylinder pressure.



Maximum Flow = 8000 SCFH
Free Air @ 70° F
No Flow Restrictions

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

PART# UPC#	RV8010 10010	RV8010-3 10011	RV8011 10012	RV8011-1 10013	RV8011-CND 10014
CGA INLET	OXYGEN 540	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	10-250	2-15	2-15	2-15
REPLACEMENT 2-1/2" GAUGES	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI	G22; 30 PSI (RL) G21; 400 PSI	G22; 30 PSI (RL) G21; 400 PSI	G22; 30 PSI (RL) G21; 400 PSI
PART# UPC#	RV8012 10015	RV8013 10016	RV8014 10017	RV8015 10018	RV8015A-1 10019
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	10-300
REPLACEMENT 2-1/2" GAUGES	G25; 60 PSI G21; 400 PSI	G24; 200 PSI G23; 3000 PSI	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI
PART# UPC#	RV8016 10020	RV8017 10021	RV8018 10076	RV8018A-1 10077	RV8018-2 10078
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	10-300	5-125
REPLACEMENT 2-1/2" GAUGES	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PS	G21; 400 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)



RVT80 SERIES REGULATORS

**TWO
STAGE**

RVT80 SERIES HEAVY DUTY



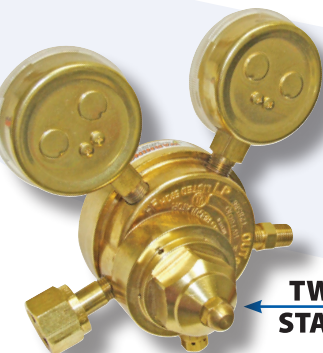
- Forged brass body and bonnet
- Easy-to-read single scale 2-1/2" gauges
- 2-1/8" stainless steel diaphragm 1st stage
- 3-1/4" stainless steel diaphragm 2nd stage
- Heavy duty mechanical stem type seat and nozzle assembly
- Delrin bushing for smooth flow adjustment
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



**MAXIMUM INLET
3000 PSIG**

**TWO
STAGE**

RVT8010



PART# UPC#	RVT8010 10100	RVT8010-3 10101	RVT8011 10102	RVT8011-1 10103	RVT8011-CND 10104
CGA INLET	OXYGEN 540	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	10-250	2-15	2-15	2-15
REPLACEMENT 2-1/2" GAUGES	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI	G22; 30 PSI (RL) G21; 400 PSI	G22; 30 PSI (RL) G21; 400 PSI	G22; 30 PSI (RL) G21; 400 PSI

PART# UPC#	RVT8012 10105	RVT8013 10106	RVT8014 10107	RVT8015 10108	RVT8015A-1 10109
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	10-300
REPLACEMENT 2-1/2" GAUGES	G25; 60 PSI G21; 400 PSI	G24; 200 PSI G23; 3000 PSI	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI

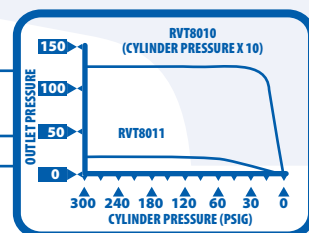
PART# UPC#	RVT8016 10110	RVT8017 10111	RVT8018 10126	RVT8018A-1 10127	RVT8018-2 10128
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	10-300	5-125
REPLACEMENT 2-1/2" GAUGES	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI	G21; 400 PSI G27; 4000 PSI	G24; 200 PSI G27; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

RVT80 SERIES DIMENSIONS

Depth:	6"
Width:	8-1/2"
Height:	8-1/2"
Weight:	7 lbs.

*Two Stage
Regulators have little
pressure rise with
cylinder pressure
decrease.*



**Maximum Flow = 3000 SCFH
Free Air @ 70° F
No Flow Restrictions**

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

**SINGLE
STAGE**

REGULATORS RUH83 SERIES



RUH8310

RUH83 SERIES MEDIUM/HEAVY DUTY



- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2-1/2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Heavy duty mechanical stem type seat and nozzle assembly
- Delrin bushing for smooth flow adjustment
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



RUH8311

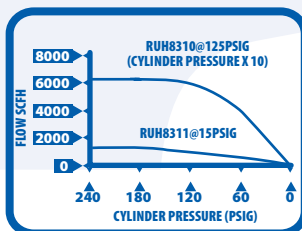


**MAXIMUM INLET
3000 PSIG**

RUH83 SERIES DIMENSIONS

Depth:	5-1/2"
Width:	7-1/4"
Height:	6"
Weight:	3 lbs.

Single Stage Regulators have pressure rise of approx. 1/2 psi (.5) per 100 psi drop in cylinder pressure.



Maximum Flow = 6300 SCFH
Free Air @ 70° F

No Flow Restrictions

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PART# UPC#	RUH8310 11700	RUH8311 11701	RUH8311-1 11702	RUH8311-2 11703	RUH8311-CND 11705
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 520	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	2-15	2-15	2-15	2-15
REPLACEMENT 2-1/2" GAUGES	G24S; 200 PSI G27S; 4000 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI
PART# UPC#	RUH8312 11706	RUH8313 11707	RUH8314 11708	RUH8315 11709	RUH8315A-1 11710
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	5-125
REPLACEMENT 2-1/2" GAUGES	G25S; 60 PSI G21S; 400 PSI	G24S; 200 PSI G23S; 3000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI
PART# UPC#	RUH8316 11711	RUH8317 11712	RUH8318 11713	RUH8318A-1 11714	RUH8318-2 11715
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	5-125	5-125
REPLACEMENT 2-1/2" GAUGES	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PS	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour



SERIES RHT83 REGULATORS

**TWO
STAGE**

RHT83 SERIES MEDIUM/HEAVY DUTY

- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm 1st stage
- 2" tri-layered reinforced neoprene diaphragm 2nd stage
- Heavy duty mechanical stem type seat & nozzle assembly
- Delrin bushing for smooth flow adjustment
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



**MAXIMUM INLET
3000 PSIG**

**TWO
STAGE**



RHT8310



PART# UPC#	RHT8310 11800	RHT8311 11801	RHT8311-1 11802	RHT8311-CND 11803
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	2-15	2-15	2-15
REPLACEMENT 2-1/2" GAUGES	G24S; 200 PSI G27S; 4000 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI	G22S; 30 PSI (RL) G21S; 400 PSI

PART# UPC#	RHT8312 11804	RHT8313 11805	RHT8314 11806	RHT8315 11807	RHT8315A-1 11808
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	5-125
REPLACEMENT 2-1/2" GAUGES	G25S; 60 PSI G21S; 400 PSI	G24S; 200 PSI G23S; 3000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI

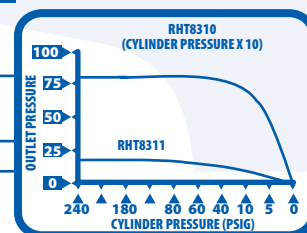
PART# UPC#	RHT8316 11809	RHT8317 11810	RHT8318 11811	RHT8318A-1 11812	RHT8318-2 11813
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	5-125	5-125
REPLACEMENT 2-1/2" GAUGES	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI	G24S; 200 PSI G27S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

RHT83 SERIES DIMENSIONS

Depth:	8-1/4"
Width:	7-1/4"
Height:	6"
Weight:	4 lbs.

*Two Stage
Regulators have little
pressure rise with
cylinder pressure
decrease.*



**Maximum Flow = 1500 SCFH
Free Air @ 70° F
No Flow Restrictions**

**NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with decreasing
cylinder pressure.**

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

**SINGLE
STAGE**

REGULATORS RUH82 SERIES



RUH8210

RUH82 SERIES MEDIUM/HEAVY DUTY



- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Heavy duty mechanical stem type seat and nozzle assembly
- Delrin bushing for smooth flow adjustment
- Porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



RUH8211

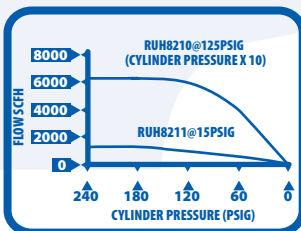


**MAXIMUM INLET
3000 PSIG**

RUH82 SERIES DIMENSIONS

Depth: 5-1/2"
Width: 7"
Height: 5-1/2"
Weight: 3 lbs.

*Single Stage Regulators
have pressure rise of
approx. 1/2 psi (.5) per
100 psi drop in
cylinder pressure.*



**Maximum Flow = 6300 SCFH
Free Air @ 70° F**

No Flow Restrictions

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

PART# UPC#	RUH8210 11000	RUH8211 11001	RUH8211-1 11002	RUH8211-2 11003	RUH8211-CND 11005
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 520	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	2-15	2-15	2-15	2-15
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI
PART# UPC#	RUH8212 11006	RUH8213 11007	RUH8214 11008	RUH8215 11009	RUH8215A-1 11010
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G5S; 60 PSI G1S; 400 PSI	G4S; 200 PSI G3S; 3000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI
PART# UPC#	RUH8216 11011	RUH8217 11012	RUH8218 11024	RUH8218A-1 11025	RUH8218-2 11028
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PS	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI



SERIES RHT80 REGULATORS

**TWO
STAGE**

RHT80 SERIES MEDIUM/HEAVY DUTY

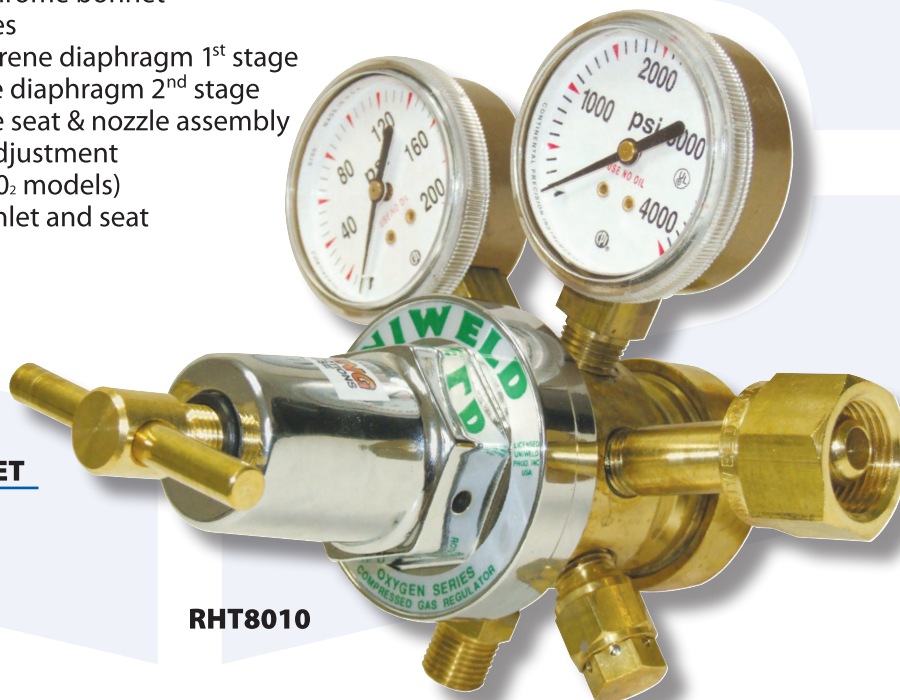


- Machined brass body; Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm 1st stage
- 2" tri-layered reinforced neoprene diaphragm 2nd stage
- Heavy duty mechanical stem type seat & nozzle assembly
- Delrin bushing for smooth flow adjustment
- Porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



**MAXIMUM INLET
3000 PSIG**

**TWO
STAGE**



RHT8010

PART# UPC#	RHT8010 11100	RHT8011 11101	RHT8011-1 11102	RHT8011-CND 11003
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-125	2-15	2-15	2-15
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI

PART# UPC#	RHT8012 11104	RHT8013 11105	RHT8014 11106	RHT8015 11107	RHT8015A-1 11108
CGA INLET	LPG & ALL FUEL GAS 510	CARBON DIOXIDE 320	ARGON 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	5/8"-18(RH) (F)	1/4" FLARE (M)
DEL. PSIG	2-40	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G5S; 60 PSI G1S; 400 PSI	G4S; 200 PSI G3S; 3000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI

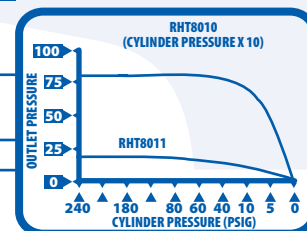
PART# UPC#	RHT8016 11109	RHT8017 11110	RHT8018 11111	RHT8018A-1 11112	RHT8018-2 11113
CGA INLET	HELIUM 580	HYDROGEN 350	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	5/8"-18(RH) (F)	"B" (LH) 9/16"-18(M)	9/16"-18(RH) (M)	1/4" FLARE (M)	5/8"-18 (LH) (F)
DEL. PSIG	5-125	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

RHT80 SERIES DIMENSIONS

Depth:	8-1/4"
Width:	7"
Height:	5-1/4"
Weight:	4 lbs.

*Two Stage
Regulators have little
pressure rise with
cylinder pressure
decrease.*



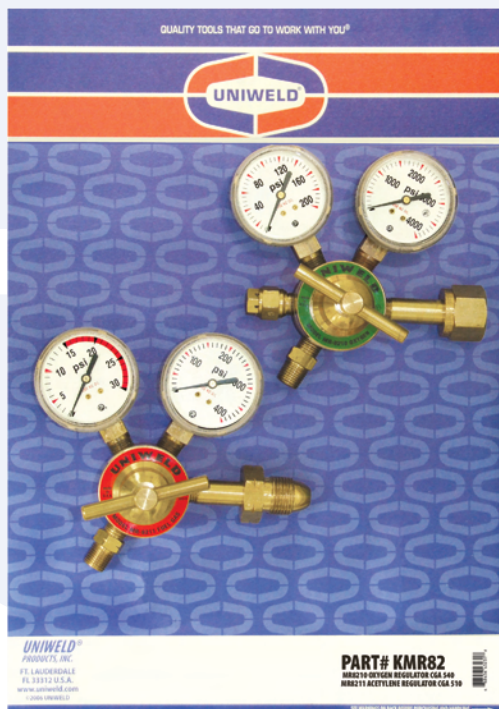
**Maximum Flow = 1500 SCFH
Free Air @ 70° F
No Flow Restrictions**

**NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with decreasing
cylinder pressure.**

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

**SINGLE
STAGE**

REGULATORS MR SERIES



KMR82

MR82 SERIES MEDIUM DUTY

- Machined brass body & bonnet
- Easy-to-read single scale 1-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- T-handle for smooth flow adjustment
- Porous bronze inlet filter
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



MR8210

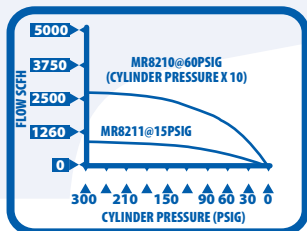
MR SERIES DIMENSIONS

Depth: 4-1/2"
Width: 7"
Height: 5-1/2"
Weight: 2-1/2 lbs.



**MAXIMUM INLET
3000 PSIG**

*Single Stage Regulators
have pressure rise of
approx. 1/2 psi (.5) per
100 psi drop in
cylinder pressure.*



PART# UPC#	MR8210 12200	MR8211 12201	MR8211-1 12202
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-80	2-15	2-15
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G2S; 30 PSI (RL) G1S; 400 PSI	G2S; 30 PSI (RL) G1S; 400 PSI

PART# UPC#	MR8211-2 12203	MR8212 12208	KMR82 12260
CGA INLET	ACETYLENE 520	LPG & ALL FUEL GAS 510	MR8210 OXYGEN REGULATOR, MR8211 ACETYLENE REGULATOR SET CARDED ON DISPLAY BOARD
OUTLET CONNECTION	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	
DEL. PSIG	2-15	2-40	
REPLACEMENT 2" GAUGES	G2S; 30 PSI (RL) G1S; 400 PSI	G5S; 60 PSI G1S; 400 PSI	

**Maximum Flow = 2600 SCFH
Free Air @ 70° F
No Flow Restrictions**

NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with decreasing
cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)



MASTAR® RS REGULATORS

**SINGLE
STAGE**

MASTAR RS SERIES LIGHT DUTY

- Forged brass body
- Machined brass bonnet
- Easy-to-read single scale 1-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Rear inlet cylinder connection
- Porous metal inlet filter
- T-handle for smooth adjustment
- Blow off disc type pressure relief for low pressure gauge protection only
- Protective rubber gauge boots



RSO



RSMC2B

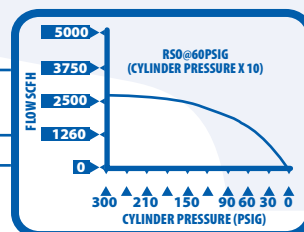


**MAXIMUM INLET
3000 PSIG**

MASTAR® RS SERIES DIMENSIONS

Depth:	6"
Width:	3-3/4"
Height:	4-1/4"
Weight:	2-1/2 lbs.

Single Stage Regulators have pressure rise of approx. 1/2 psi (.5) per 100 psi drop in cylinder pressure.



PART# UPC#	RSO 12100	RSOB 12101	12106 12106	12107 12107
CGA INLET	OXYGEN 540	OXYGEN 540	OXYGEN 540	ACETYLENE 520
OUTLET CONNECTION	"A" (RH) 3/8"-24(M)	"B" (RH) 9/16"-18(M)	"A" (RH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)
DEL. PSIG	2-60	2-60	2-60	2-15
REPLACEMENT 1-1/2" GAUGES	G49; 100 PSI G56; 4000 PSI	G49; 100 PSI G56; 4000 PSI	G85-1; 100 PSI/Kg G82-1; 4000 PSI/Kg	G79-1; 30 PSI/Kg (RL) G73-1; 400 PSI/Kg

PART# UPC#	RSMC2 12102	RSMC2B 12103	RSB2 12104	RSB2B 12105
CGA INLET	ACETYLENE 200	ACETYLENE 200	ACETYLENE 520	ACETYLENE 520
OUTLET CONNECTION	"A" (LH) 3/8"-24(M)	"B" (LH) 9/16"-18(M)	"A" (LH) 3/8"-24(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	2-15	2-15	2-15	2-15
REPLACEMENT 1-1/2" GAUGES	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

**Maximum Flow = 2600 SCFH
Free Air @ 70° F
No Flow Restrictions**

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

**SINGLE
STAGE**

REGULATORS R SERIES



**R SERIES
LIGHT DUTY**



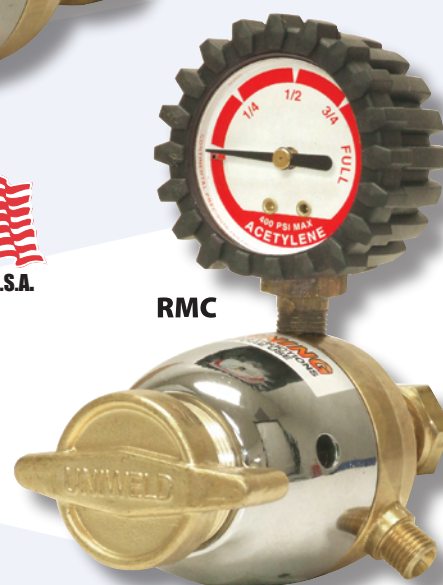
RO100



RO



MADE IN U.S.A.



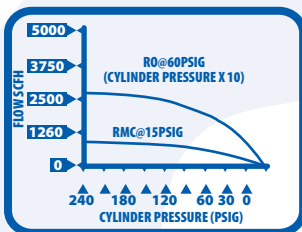
RMC

- Brass body
- Easy-to-read single scale 1-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Porous metal inlet filter
- Rear inlet cylinder connection
- Brass "T" handle or forged brass adjusting screw with locking retaining ring
- Blow off disc type pressure relief (on RO) for low pressure gauge protection only
- Protective rubber gauge boots



**MAXIMUM INLET
3000 PSIG**

**R SERIES
PAGES 82-83**



**Maximum Flow = 2600 SCFH
Free Air @ 70° F
No Flow Restrictions**
NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour

PART# UPC#	RO 12000	ROB 12001	RO100 14100	RW 12002	RWB 12003
CGA INLET	OXYGEN 540	OXYGEN 540	OXYGEN 540	ACETYLENE 510	ACETYLENE 510
OUTLET CONNECTION	"A" (RH) 3/8"-24(M)	"B" (RH) 9/16"-18(M)	"A" (RH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	2-60	2-60	2-60	2-15	2-15
REPLACEMENT 1-1/2" GAUGES	G49; 100 PSI G56; 4000 PSI	G49; 100 PSI G56; 4000 PSI	G49; 100 PSI G56; 4000 PSI	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)
PART# UPC#	RCA 12004	RCAB 12005	RMC 12006	RMC2 12007	RMC100 14102
CGA INLET	ACETYLENE 300	ACETYLENE 300	ACETYLENE 200	ACETYLENE 200	ACETYLENE 200
OUTLET CONNECTION	"A" (LH) 3/8"-24(M)	"B" (LH) 9/16"-18(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)
DEL. PSIG	2-15	2-15	2-15	2-15	2-15
REPLACEMENT 1-1/2" GAUGES	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

Replacement gauges on display card are fitted with gauge boots (Add -D to Part Number)



R SERIES REGULATORS

**SINGLE
STAGE**

R SERIES
LIGHT DUTY

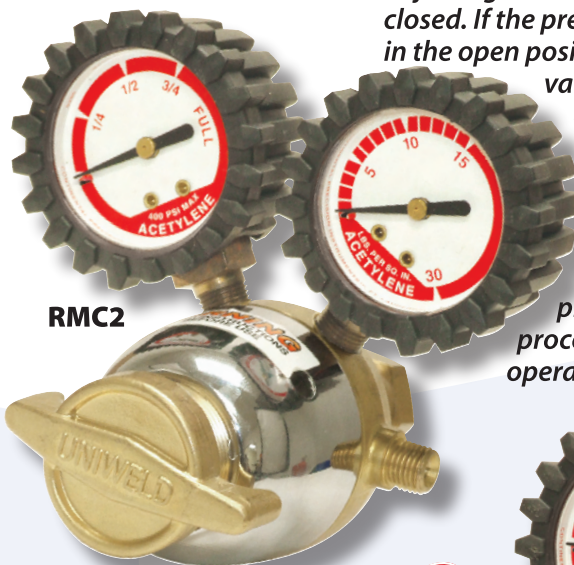
**TECH
TIP**

When not in use, the regulator should be properly shut off by turning the pressure adjusting screw counterclockwise until closed. If the pressure adjusting screw is in the open position when the cylinder valve is opened, the surge of high pressure may damage the regulator. This commonly occurs with the use of oxygen due to high cylinder pressure. To insure proper protection procedures, follow Uniweld's operating instructions.

RLP



RMC2



MADE IN U.S.A.

RB



LISTED

**MAXIMUM INLET
3000 PSIG**

- Forged brass body
- Polished chrome bonnet
- Easy-to-read single scale 1-1/2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Porous metal inlet filter
- Rear inlet cylinder connection
- Forged brass adjusting screw with locking retaining ring
- Blow off disc type pressure relief for low pressure gauge protection only
- Protective rubber gauge boots

R SERIES PAGES 82-83

R SERIES DIMENSIONS

Depth:	4-1/2"
Width:	4-1/4"
Height:	4"*
Weight:	2 lbs.

*R0100: 3-1/2"
*RMC100: 3-1/2"

Single Stage Regulators have pressure rise of approx. 1/2 psi (.5) per 100 psi drop in cylinder pressure.

PART# UPC#	RMC40 12008	RMCW 12009	RB 12010	RB2 12011	RB40 12012
CGA INLET	ACETYLENE 200	ACETYLENE 200	ACETYLENE 520	ACETYLENE 520	ACETYLENE 520
OUTLET CONNECTION	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)
DEL. PSIG	2-15	2-15	2-15	2-15	2-15
REPLACEMENT 1-1/2" GAUGES	G19; Contents (400 PSI MAX.)	G19; Contents (400 PSI MAX.)	G19; Contents (400 PSI MAX.)	G15; 30 PSI (RL) G19; Contents (400 PSI MAX.)	G19; Contents (400 PSI MAX.)

PART# UPC#	RBW 12013	RLP 12014	RLPB 12015	R15NI 12018
CGA INLET	ACETYLENE 520	LPG & ALL FUEL GASES 510	LPG & ALL FUEL GASES 510	NITROGEN 580
OUTLET CONNECTION	"A" (LH) 3/8"-24(M)	"A" (LH) 3/8"-24(M)	"B" (LH) 3/8"-24(M)	"B" (RH) 9/16"-18(M)
DEL. PSIG	2-15	2-40	2-40	2-60
REPLACEMENT 1-1/2" GAUGES	G19; Contents (400 PSI MAX.)	G83; 60 PSI	G83; 60 PSI	G85; 100 PSI G82; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

**SINGLE
STAGE**

REGULATORS

**RUH SERIES
"CONTRACTOR"**



**RUH SERIES
SPECIAL PURPOSE**

CO₂ AND NITROGEN REGULATORS FOR PNEUMATIC TOOLS

**PART#
RUH15PTS
NITROGEN
REGULATOR**

**EASY TO
REMOVE
INLET
STEMS**



- Use "air" tools in the field with standard CO₂ and Nitrogen cylinders
- 1/4" NPT female outlet for air fittings
- Easy-to-read single scale 2" gauges
- T-handle for easy flow adjustment up to 125 PSI max.
- Durable seat assembly for long life
- Pressure relief safety device
- Weights only 3 pounds



**PART#
RUH8213PT
CO₂ REGULATOR**



**MAXIMUM INLET
3000 PSIG**

Have you checked your seats lately?



RUV21G

The improved, efficient RUV21G high pressure [green] seat used in all RUH Series high pressure regulators provides long, trouble-free service. It is also sold separately as a replacement item. Use for high pressure service [Hydrogen, Oxygen, Nitrogen, Helium, Argon, CO₂ & Air]

PART# UPC#	RUH13PTS 11370	RUH15PTS 11380	RUH8213PT 11095	RUH8215PT 11092
CGA INLET	CARBON DIOXIDE 320	NITROGEN 580	CARBON DIOXIDE 320	NITROGEN 580
OUTLET CONNECTION	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)
DEL. PSIG	5-125	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G4S; 200 PSI	G4S; 200 PSI	G4S; 200 PSI G3S; 3000 PSI	G4S; 200 PSI G7S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)



SERIES RHP REGULATORS

**SINGLE
STAGE**

RHP SERIES SPECIAL PURPOSE

- Piston actuated seat for durability
- Easy-to-read single scale 2" gauges
- Steel case construction with polycarbonate lens
- Protective rubber gauge boots
- Porous metal inlet filter
- Fine mesh filter screen between inlet and seat
- T-handle for ease of pressure adjustment
- For all of your testing and evaluating needs

RHP200 Also can be used for operating pneumatic tools such as nail guns and impact wrenches

RHP400 and RHP500 Purging and pressure testing regulators. Designed for the HVAC-R technician

RHP750 and RHP1500 For high pressure testing applications

RHP3000 For high pressure testing of cylinders & vessels



RHP400

**MAXIMUM INLET
3000 PSIG**

PART# UPC#	RHP200* 13500	RHP218* 13501	RHP400 13000	RHP418 13001
CGA INLET	NITROGEN 580	AIR 346**	NITROGEN 580	AIR 346
OUTLET CONNECTION	1/4" FLARE (M)	1/4" FLARE (M)	1/4" FLARE (M)	1/4" FLARE (M)
DEL. PSIG	5-180	5-180	20-400	20-400
REPLACEMENT 2" GAUGES	G4S; 200 PSI G7S; 4000 PSI	G4S; 200 PSI G7S; 4000 PSI	G8S; 600 PSI G7S; 4000 PSI	G8S; 600 PSI G7S; 4000 PSI

RHP200; RHP400 DIMENSIONS

Depth:	4-1/4"
Width:	5-3/4"
Height:	5-1/4"
Weight:	2-1/2 lbs.

PART# UPC#	RHP500 13100	RHP518 13101	RHP750 13200	RHP758 13201
CGA INLET	NITROGEN 580	AIR 346	NITROGEN 580	AIR 346
OUTLET CONNECTION	1/4" FLARE (M)	1/4" FLARE (M)	1/4" FLARE (M)	1/4" FLARE (M)
DEL. PSIG	20-500	20-500	50-700	50-700
REPLACEMENT 2" GAUGES	G8S; 600 PSI G7S; 4000 PSI	G8S; 600 PSI G7S; 4000 PSI	G34S; 1000 PSI G7S; 4000 PSI	G34S; 1000 PSI G7S; 4000 PSI

RHP500; RHP750 DIMENSIONS

Depth:	5-1/2"
Width:	6"
Height:	5-1/4"
Weight:	3-1/2 lbs.

PART# UPC#	RHP1500 13300	RHP1518 13301	RHP3000 13600	RHP3018 13601
CGA INLET	NITROGEN 580	AIR 346	NITROGEN 580	AIR 346
OUTLET CONNECTION	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)	1/4" NPT (F)
DEL. PSIG	100-1500	100-1500	200-2500	200-2500
REPLACEMENT 2" GAUGES	G3S; 3000 PSI G7S; 4000 PSI	G3S; 3000 PSI G7S; 4000 PSI	G7S; 4000 PSI G44S; 6000 PSI	G7S; 4000 PSI G44S; 6000 PSI

**Adequate flow to operate most pneumatic equipment on the market today.*

***Also available with specialty inlet and a 6000 PSI contents gauge for inlet pressures in excess of 3000 PSI.*

For special needs such as 1/4" swage lock fittings, (panel mount, etc.), contact customer service for availability.

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

**SINGLE
STAGE
DELIVERY
GAUGE
ONLY**

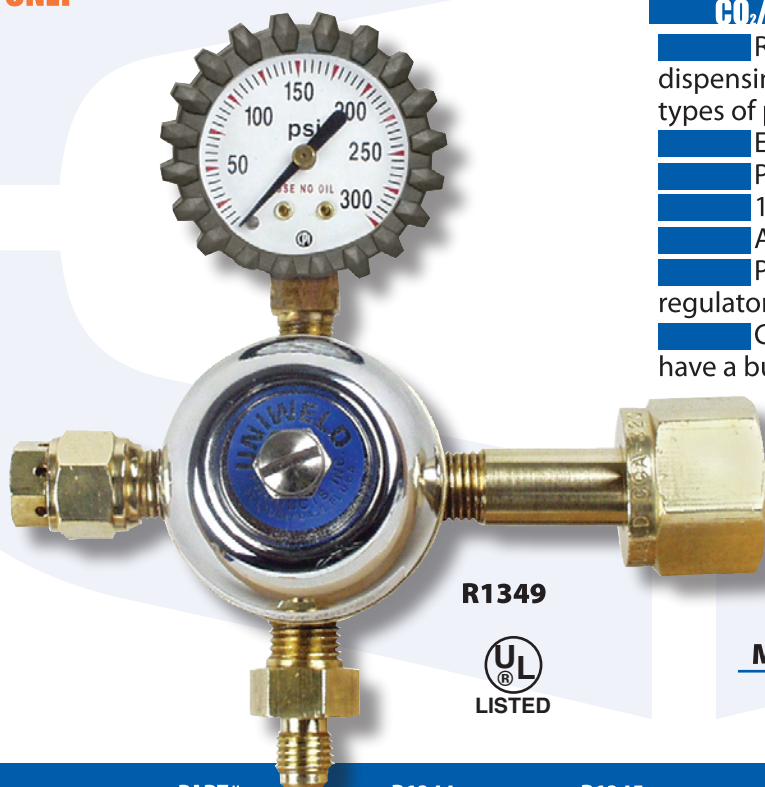
REGULATORS SPECIALTY



1300/1500/1800 SERIES CO₂/NITROGEN/AIR SPECIALTY REGULATORS

Regulators are designed for soft drink dispensing systems (NOT BEER) and many types of pressurizing applications

- Easy-to-read single scale 1-1/2" gauges
- Protective rubber gauge boot
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Adjustable pressure screw with locking nut
- Porous metal inlet filter on Nitrogen and air regulators, but not installed on CO₂ models
- CO₂ models with 1/4" SAE flare outlet have a built-in reverse flow check valve



R1349



MADE IN U.S.A.

**MAXIMUM INLET
3000 PSIG**

**1300; 1500;
1800 SERIES
DIMENSIONS**

Depth:	3"
Width:	5-1/4"
Height:	5-1/4"
Weight:	2 lbs.

PART# UPC#	R1344 12300	R1345 12301	R1346 12302	R1347 12303
CGA INLET	CO ₂ 320	CO ₂ 320	CO ₂ 320	CO ₂ 320
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	2-12	2-20	5-50	5-80
REPLACEMENT 1-1/2" GAUGES	G20; 15 PSI	G80; 30 PSI	G83; 60 PSI	G85; 100 PSI

PART# UPC#	R1348 12304	R1349 12305	R1544 12400	R1545 12401
CGA INLET	CO ₂ 320	CO ₂ 320	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	5-120	5-175	2-12	2-20
REPLACEMENT 1-1/2" GAUGES	G78; 200 PSI	G84; 300 PSI	G20; 15 PSI	G80; 30 PSI

PART# UPC#	R1546 12402	R1547 12403	R1548 12404	R1549 12405
CGA INLET	NITROGEN 580	NITROGEN 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	5-50	5-80	5-120	5-175
REPLACEMENT 1-1/2" GAUGES	G83; 60 PSI	G85; 100 PSI	G78; 200 PSI	G84; 300 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

86

Replacement gauges on display card are fitted with gauge boots (Add -D to Part Number)



SPECIALTY REGULATORS

**SINGLE
STAGE
DELIVERY
CONTENTS
GAUGES**

1300/1500/1800 SERIES CO₂/NITROGEN/AIR SPECIALTY REGULATORS

Regulators are designed for soft drink dispensing systems (NOT BEER) and many types of pressurizing applications

Easy-to-read single scale 1-1/2" gauges

Protective rubber gauge boots

1-5/8" tri-layered reinforced neoprene diaphragm

Adjustable pressure screw with locking nut

Porous metal inlet filter on Nitrogen and air regulators, but not installed on CO₂ models

CO₂ models with 1/4" SAE flare outlet have a built-in reverse flow check valve

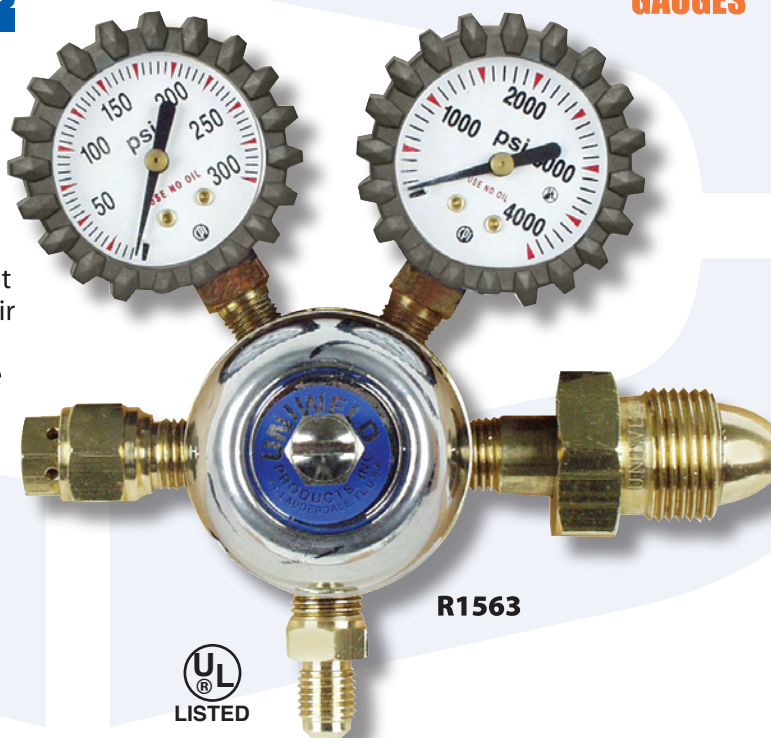
1300; 1500;
1800 SERIES
DIMENSIONS

Depth:	3"
Width:	5-1/4"
Height:	5-1/4"
Weight:	2 lbs.



MADE IN U.S.A.

**MAXIMUM INLET
3000 PSIG**



R1563



PART# UPC#	R1358 12306	R1359 12307	R1360 12308	R1361 12309	R1362 12310	R1363 12311
CGA INLET	CO ₂ 320	CO ₂ 320	CO ₂ 320	CO ₂ 320	CO ₂ 320	CO ₂ 320
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	2-12	2-20	5-50	5-80	5-120	5-175
REPLACEMENT 1-1/2" GAUGES	G20; 15 PSI G90; 3000 PSI	G80; 30 PSI G90; 3000 PSI	G83; 60 PSI G90; 3000 PSI	G85; 100 PSI G90; 3000 PSI	G78; 200 PSI G90; 3000 PSI	G84; 300 PSI G90; 3000 PSI
PART# UPC#	R1558 12406	R1559 12407	R1560 12408	R1561 12409	R1562 12410	R1563 12411
CGA INLET	NITROGEN 580	NITROGEN 580	NITROGEN 580	NITROGEN 580	NITROGEN 580	NITROGEN 580
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	2-12	2-20	5-50	5-80	5-120	5-175
REPLACEMENT 1-1/2" GAUGES	G20; 15 PSI G82; 4000 PSI	G80; 30 PSI G82; 4000 PSI	G83; 60 PSI G82; 4000 PSI	G85; 100 PSI G82; 4000 PSI	G78; 200 PSI G82; 4000 PSI	G84; 300 PSI G82; 4000 PSI
PART# UPC#	R1858 12700	R1859 12701	R1860 12702	R1861 12703	R1862 12704	R1863 12705
CGA INLET	AIR 346	AIR 346	AIR 346	AIR 346	AIR 346	AIR 346
OUTLET CONNECTION	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)	1/4" SAE FLARE (M)
DEL. PSIG	2-12	2-20	5-50	5-80	5-120	5-175
REPLACEMENT 1-1/2" GAUGES	G20; 15 PSI G82; 4000 PSI	G80; 30 PSI G82; 4000 PSI	G83; 60 PSI G82; 4000 PSI	G85; 100 PSI G82; 4000 PSI	G78; 200 PSI G82; 4000 PSI	G84; 300 PSI G82; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

87

Replacement gauges on display card are fitted with gauge boots (Add -D to Part Number)

**SINGLE
STAGE**

REGULATORS RUHS SERIES



RUHS SERIES STATION REGULATORS



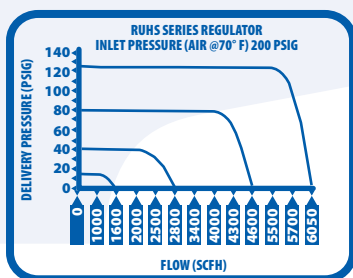
- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Delrin bushing for smooth flow adjustment
- Porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only

WARNING!
DO NOT CONNECT A STATION
REGULATOR TO A CYLINDER!

RUHS SERIES DIMENSIONS

Depth:	5-1/2"
Width:	5"
Height:	6"
Weight:	3-1/2 lbs.

RUHS8210



*Single Stage Regulators
have pressure rise of
approx. 1/2 psi (.5) per
100 psi drop in
cylinder pressure.*

**MAXIMUM INLET
200 PSIG**

*Maximum Flow = 6050 SCFH
Free Air @ 70° F*

No Flow Restrictions

*NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with a decreasing
cylinder pressure.*

*PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour*



RUHS8210

PART# UPC#	RUHS8210 11300	RUHS8211 11301	RUHS8212 11302	RUHS8213 11303	RUHS8214 11304	RUHS8215 11305
CGA INLET	OXYGEN CGA024 7/8"-14(RH) (F)	ACETYLENE CGA025 7/8"-14(LH) (F)	LPG & ALL FUEL GASES CGA025 7/8"-14(LH) (F)	CO ₂ CGA034 7/8"-14(RH) (M)	ARGON CGA034 7/8"-14(RH) (M)	NITROGEN CGA034 7/8"-14(RH) (M)
OUTLET CONNECTION	"B" (RH) 9/16"-18 (M)	"B" (LH) 9/16"-18 (M)	"B" (LH) 9/16"-18 (M)	RH (F) 5/8"-18	RH (F) 5/8"-18	RH (F) 5/8"-18
DEL. PSIG	5-125	2-15	2-40	5-125	5-125	5-125
REPLACEMENT 2" GAUGE	G4S; 200 PSI	G2S; 30 PSI (RL)	G5S; 60 PSI	G4S; 200 PSI	G4S; 200 PSI	G4S; 200 PSI



SERIES RUHL REGULATORS

**SINGLE
STAGE**

RUHL SERIES LINE REGULATORS



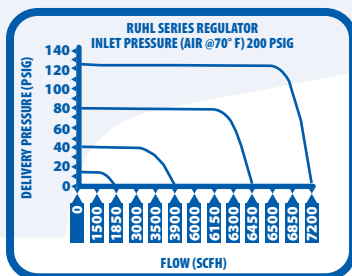
- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Delrin bushing for smooth flow adjustment
- Pressure relief device for low pressure gauge protection only

WARNING!
DO NOT CONNECT A STATION
REGULATOR TO A CYLINDER!

RUHL SERIES DIMENSIONS

Depth:	5-1/2"
Width:	3-1/2"
Height:	6"
Weight:	3-1/2 lbs.

RUHL8210



Single Stage Regulators
have pressure rise of
approx. 1/2 psi (.5) per
100 psi drop in
cylinder pressure.

**MAXIMUM INLET
350 PSIG**

Maximum Flow = 7200 SCFH
Free Air @ 70° F
No Flow Restrictions

NOTE: The standard cubic foot
per hour flows are obtained
with the regulator outlet
full open with no restrictions;
using a preset outlet pressure
and with a decreasing
cylinder pressure.

PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour



RUHL8210

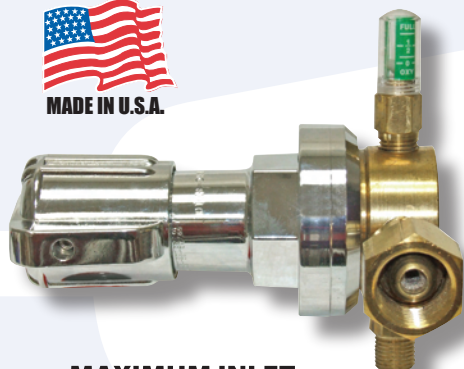
1/4" NPT (F)
INLET PORT

PART# UPC#	RUHL8210 11200	RUHL8211 11201	RUHL8212 11202	RUHL8213 11203	RUHL8214 11204	RUHL8215 11205
CGA INLET	OXYGEN 1/4" NPT (F)	ACETYLENE 1/4" NPT (F)	LP & ALL FUEL GASES 1/4" NPT (F)	CO. 1/4" NPT (F)	ARGON 1/4" NPT (F)	NITROGEN 1/4" NPT (F)
OUTLET CONNECTION	"B" RH 9/16"-18(M)	"B" LH 9/16"-18(M)	"B" LH 9/16"-18(M)	RH (F) 5/8"-18	RH (F) 5/8"-18	RH (F) 5/8"-18
DEL. PSIG	5-125	2-15	2-40	5-125	5-125	5-125
REPLACEMENT 2" GAUGES	G4S; 200 PSI	G2S; 30 PSI (RL)	G5S; 60PSI	G4S; 200 PSI	G4S; 200 PSI	G4S; 200 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

**SINGLE
STAGE**

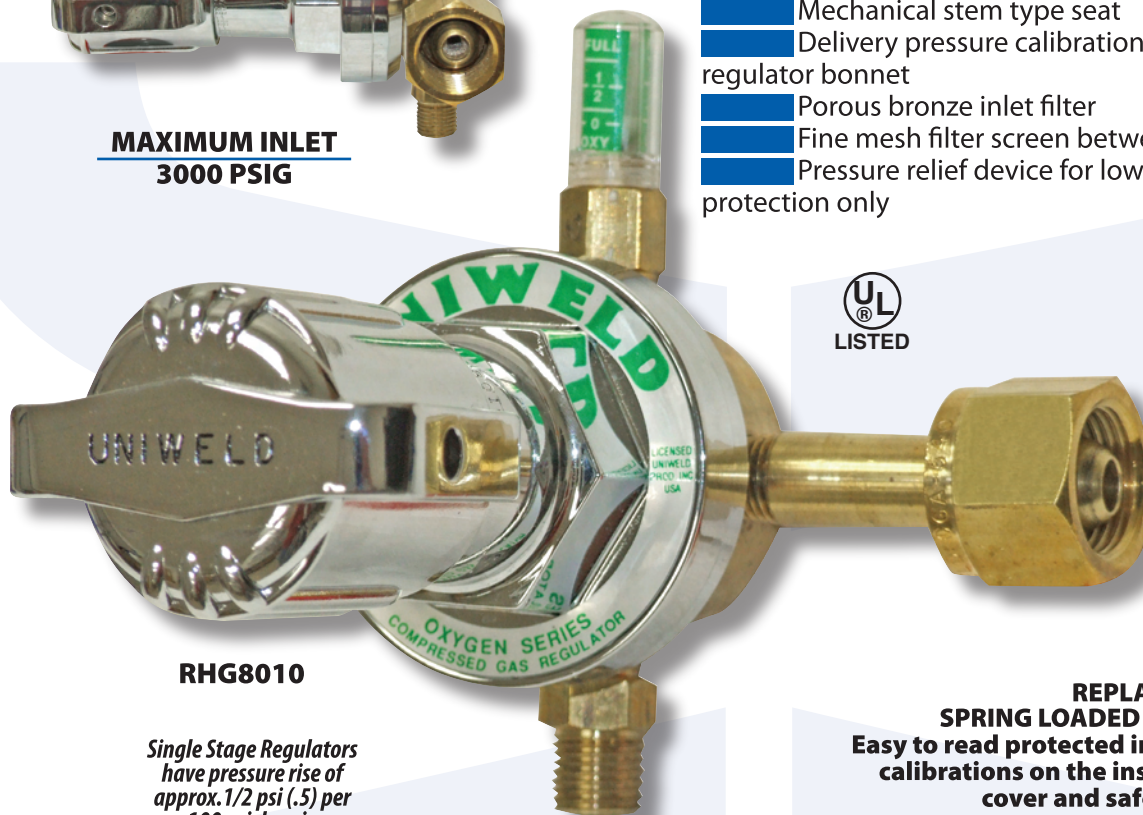
REGULATORS GAUGELESS



**MAXIMUM INLET
3000 PSIG**

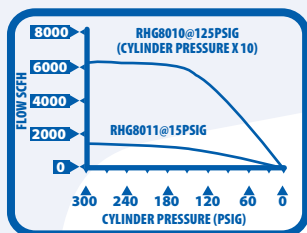
RHG GAUGELESS SERIES SPECIAL PURPOSE

- Machined brass body & Polished chrome bonnet
- Color coded spring loaded cylinder gauge indicator
- 2" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Delivery pressure calibrations inscribed on regulator bonnet
- Porous bronze inlet filter
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure gauge protection only



RHG8010

Single Stage Regulators have pressure rise of approx. 1/2 psi (.5) per 100 psi drop in cylinder pressure.



*Maximum Flow = 6300 SCFH
Free Air @ 70°F
No Flow Restrictions*

NOTE: The standard cubic foot per hour flows are obtained with the regulator outlet full open with no restrictions; using a preset outlet pressure and with decreasing cylinder pressure.

*PSIG - Pounds per sq. in. gauge
SCFH - Standard cu. ft. per hour*



RHG SERIES DIMENSIONS

Depth:	6-1/4"
Width:	5-1/2"
Height:	4-1/2"
Weight:	4 lbs.

REPLACEMENT SPRING LOADED CONTENTS GAUGES

Easy to read protected inlet pressure indicator with calibrations on the inside of the polycarbonate cover and safety color coding.

PART#	DESCRIPTION
G59	PROPANE (BLUE)
G60	OXYGEN (GREEN)
G61	ACETYLENE (RED)



G59



G60



G61

PART# UPC#	RHG8010 11400	RHG8011 11401	RHG8011-1 11402	RHG8011-CND 11403	RHG8012 11404
CGA INLET	OXYGEN 540	ACETYLENE 510	ACETYLENE 300	ACETYLENE 410	LP & ALL FUEL GASES 510
OUTLET CONNECTION	"B" (RH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)	"B" (LH) 9/16"-18(M)
DEL. PSIG	5-100	2-15	2-15	2-15	2-40
REPLACEMENT SPRING LOADED CONTENTS GAUGES	G60	G61	G61	G61	G59

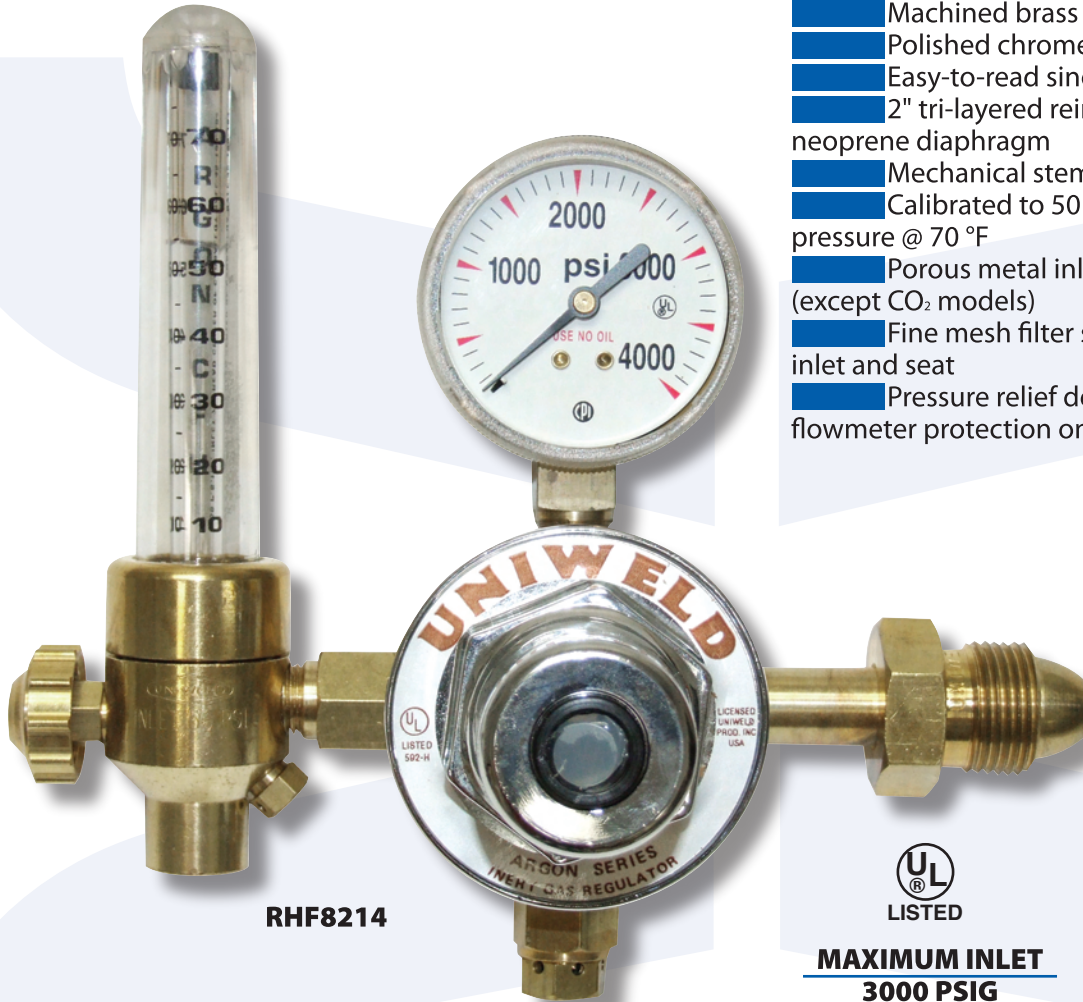


RHF FLOWMETER REGULATOR

**SINGLE
STAGE**

RHF SERIES FLOWMETER REGULATORS

The UniWeld flowmeter regulator is perfect for Mig and Tig welding. Flowmeters are more accurate than flowgauge regulators. The pressure gauge shows how much gas is left in the tank and goes from 0 to 4000 PSI. The output flow is adjustable in cubic feet per hour and is indicated by the ball which moves up and down in the flow tube, so this flowmeter will handle Mig and Tig welding for both steel and aluminum.



RHF8214

- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 2" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Calibrated to 50 PSI outlet pressure @ 70 °F
- Porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and seat
- Pressure relief device for low pressure flowmeter protection only



RHF SERIES DIMENSIONS

Depth:	4"
Width:	7-1/2"
Height:	7"
Weight:	4 lbs.



**MAXIMUM INLET
3000 PSIG**

SINGLE GAS CALIBRATION

TWO GAS CALIBRATION

PART# UPC#	RHF8213 11600	RHF8214 11601	RHF1413 11616	RHF8214-6 11602	RHF8214-8 11603	RHF8214-10 11604
CGA INLET	CO ₂ 320	ARGON 580	ARGON/CO ₂ 580	ARGON/HELIUM 580	ARGON/HELIUM 580	ARGON/HELIUM 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-80	10-70	10-70	2-18/5-50	5-40/10-110	10-70/25-205
REPLACEMENTS						
FLOWMETER TUBE COVER	UAF22	UAF22	UAF22	UAF22	UAF22	UAF22
TUBE	UCF18	UAF18	UACF18	UAHF18	UAHF18-1	UAHF18-2
2" GAUGES	G3S; 3000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

**SINGLE
STAGE**

FLOWMETER REGULATOR

CEF



CEF SERIES FLOWMETER REGULATORS

- Machined brass body
- Polished chrome bonnet
- Easy-to-read single scale 2" gauges
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat
- Calibrated to 50 PSI outlet pressure @ 70°F
- Porous metal inlet filter (except CO₂ models)
- Pressure relief device for low pressure flowmeter protection only

CEF1413



**MAXIMUM INLET
3000 PSIG**

CEF SERIES DIMENSIONS

Depth: 2-1/4"
Width: 7-1/2"
Height: 7"
Weight: 3-1/2 lbs.



KF14-8

SINGLE GAS CALIBRATION

TWO GAS CALIBRATION

PART# UPC#	CEF13 12500	CEF14 12501	CEF1413 12505	CEF14-6 12502	CEF14-8 12503	CEF14-10 12504
CGA INLET	CO ₂ 320	ARGON 580	ARGON/CO ₂ 580	ARGON/HELIUM 580	ARGON/HELIUM 580	ARGON/HELIUM 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-80	10-70	10-70	2-18/5-50	5-40/10-110	10-70/25-205
REPLACEMENTS						
FLOWMETER TUBE COVER	UAF22	UAF22	UAF22	UAF22	UAF22	UAF22
TUBE	UCF18	UAF18	UACF18	UAHF18	UAHF18-1	UAHF18-2
2" GAUGE	G3S; 3000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI	G7S; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

COMPLETE MIG KIT	PART# UPC#	KF13 89510	KF14 89511	KF1413 89512	KF14-6 89513	KF14-8 89514	KF14-10 89515
FLOWMETER	CEF13	CEF13	CEF14	CEF1413	CEF14-6	CEF14-8	CEF14-10
GAS CALIBRATION	CO ₂	CO ₂	ARGON	ARGON/CO ₂	ARGON HELIUM	ARGON HELIUM	ARGON HELIUM
HOSE	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS



FR FLOWMETER REGULATOR

**SINGLE
STAGE**



KFR13

FR SERIES FLOWMETER REGULATORS

- Combination regulator & flowmeter in one unit
- Machined brass body
- Piston activated
- Calibrated to 50 PSI outlet pressure @ 70°F
- Easy-to-read single scale 1-1/2" gauge
- Pressure relief device for low pressure flowmeter protection only



FR13

FR SERIES DIMENSIONS

Depth:	3-1/4"
Width:	5-1/4"
Height:	6-1/4"
Weight:	1-1/2 lbs.



**MAXIMUM INLET
3000 PSIG**

SINGLE GAS CALIBRATION

TWO GAS CALIBRATION

PART# UPC#	FR13 12800	FR14 12801	FR1413 12802	FR14-6 12803	FR14-8 12804	FR14-10 12805
CGA INLET	CO ₂ 320	ARGON 580	ARGON/CO ₂ 580	ARGON/HELIUM 580	ARGON/HELIUM 580	ARGON/HELIUM 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-80	10-70	10-70	2-18/5-50	5-40/10-110	10-70/25-205
REPLACEMENTS						
FLOWMETER TUBE COVER	UAF22	UAF22	UAF22	UAF22	UAF22	UAF22
TUBE	UCF18	UAF18	UACF18	UAHF18	UAHF18-1	UAHF18-2
1-1/2" GAUGE	G182; 4000 PSI	G182; 4000 PSI	G182; 4000 PSI	G182; 4000 PSI	G182; 4000 PSI	G182; 4000 PSI

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

COMPLETE MIG KIT	PART# UPC#	KFR13 89520	KFR14 89521	KFR1413 89522	KFR14-6 89523	KFR14-8 89524	KFR14-10 89525
FLOWMETER	FR13	FR13	FR14	FR1413	FR14-6	FR14-8	FR14-10
GAS CALIBRATION	CO ₂	CO ₂	ARGON	ARGON/CO ₂	ARGON HELIUM	ARGON HELIUM	ARGON HELIUM
HOSE	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS

**SINGLE
STAGE**

FLOWGAUGE REGULATORS



CEFG, RHFG & MRFG SERIES FLOWGAUGE REGULATORS



MRFG14



**MAXIMUM INLET
3000 PSIG**

MRFG13 and MRFG14

- Easy-to-read 2" gauges
- 1-5/8" tri-layered neoprene diaphragm
- Unique dampened seat assembly
- Reseating pressure relief device for low pressure flowgauge protection

- Machined brass body
- Mechanical stem type seat and porous metal inlet filter (except CO₂ models)
- Fine mesh filter screen between inlet and body (except CO₂ models)
- Pressure relief device for low pressure flowgauge protection only

CEFG Medium duty • 1-1/2" gauges
Forged brass pressure adjusting screw with locking retaining ring • 1-5/8" tri-layered neoprene diaphragm

RHFG Heavy duty single scale 2" gauges • Delrin bushing for smooth flow adjustment • 2" tri-layered neoprene diaphragm



RHFG13-50



CEFG13

SINGLE & TWO GAS CALIBRATION

PART# UPC#	CEFG13 12600	CEFG14 12603	RHFG13-50 11500	RHFG14-50 11501	MRFG13 12607	MRFG14 12608
CGA INLET	CO ₂ 320	ARGON & AR/CO ₂ MIX 580	CO ₂ 320	ARGON & AR/CO ₂ MIX 580	CO ₂ 320	ARGON & AR/CO ₂ MIX 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-40	10-40	10-50	10-55	10-40	10-55
OUTLET ORIFICE	.026	.026	.029	.032	.026	.032
REPLACEMENTS						
1-1/2" GAUGES	G87; 10-40 SCFH G90; 3000 PSI	G51; 10-40 SCFH G82; 4000 PSI				
2" GAUGES			G86S; 10-50 SCFH G3S; 3000 PSI	G76S; 10-55 SCFH G7S; 4000 PSI	G86S-4*; 10-50 SCFH G7S-4*; 4000 PSI (* 1/8 NPT)	G76S-4*; 10-55 SCFH G7S-4*; 4000 PSI (* 1/8 NPT)

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

COMPLETE MIG KIT	PART# UPC#	KFG13 89530	KFG14 89531
FLOWMETER		CEFG13	CEFG14
GAS CALIBRATION		CO ₂	ARGON & AR/CO ₂ MIX
HOSE		90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS	90190 10 ft. 3/16" ID HOSE with 5/8"-18 RH(M) FITTINGS AT BOTH ENDS

CEFG SERIES DIMENSIONS	
Depth:	3"
Width:	6"
Height:	5-1/4"
Weight:	2 lbs.

RHFG SERIES DIMENSIONS	
Depth:	5-1/2"
Width:	5-1/2"
Height:	7"
Weight:	4 lbs.

MRFG SERIES DIMENSIONS	
Depth:	3-3/4"
Width:	7"
Height:	5-5/8"
Weight:	2 lbs.



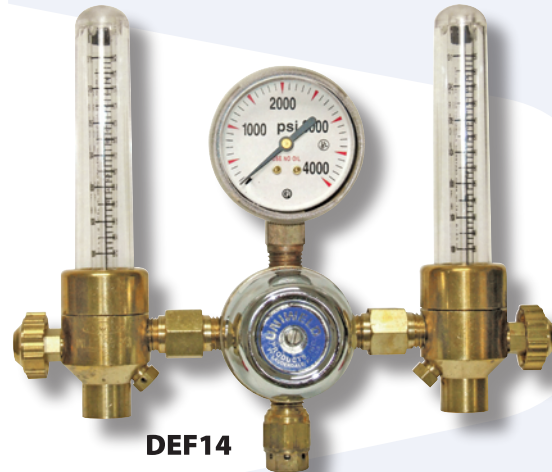
DUAL FLOWMETER FLOWGAUGE REGULATORS

**SINGLE
STAGE**

DEF & DEG SERIES

Designed for production and maintenance applications where stainless steel, aluminum pipe or closed vessels are TIG or MIG welded where shielding gas and purging gas are simultaneously required. These regulators are used in sequential welding operations requiring different settings for one or more operations without constantly resetting the flowmeter.

- Machined brass body
- Easy-to-read single scale gauge(s)
- Porous metal inlet filter
- Pressure relief device for low pressure flowgauge/flowmeter protection only



DEF14

DEF 14 DUAL FLOWMETER

- Polished chrome bonnet
- Flowmeters calibrated to 50 PSI inlet pressure at 70° F
- 1-5/8" tri-layered reinforced neoprene diaphragm
- Mechanical stem type seat

DEG 14 DUAL FLOWGAUGE

- Machined brass bonnet
- Calibrated to specific orifice
- Piston actuated



DEG14

TWO GAS CALIBRATION



PART# UPC#	DEF14 12550	DEG14 12650
CGA INLET	ARGON/HELIUM 580	ARGON & AR/CO ₂ MIX 580
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAP. (SCFH)	10-70/25-205	10-40
REPLACEMENTS		
FLOWMETER TUBE COVER	UAF22	-
TUBE	UAHF18-2	-
2" GAUGE	G7S; 4000 PSI	-
1-1/2" GAUGE		G51; 0-40 SCFH G82; 4000 PSI

**MAXIMUM INLET
3000 PSIG**

DEF14 SERIES DIMENSIONS

Depth:	4-3/4"
Width:	7-3/4"
Height:	7"
Weight:	4 lbs.

DEG14 SERIES DIMENSIONS

Depth:	5"
Width:	6-1/2"
Height:	4-1/2"
Weight:	2 lbs.

NOTE: PSI/kPa, PSI/Kg, PSI/BAR Gauges available (Please Inquire)

FLOWMETERS



DIMENSIONS

Depth:	1-1/2"
Width:	2"
Height:	6"
Weight:	1 lb.

SINGLE & TWO GAS CALIBRATION

- Used with regulator or pipe line distribution installation
- Calibrated at 50 PSI inlet pressure @ 70° F
- Stainless steel needle valve for accurate delivery flow
- Clear impact resistant polycarbonate cover and flow tube for maximum safety and service
- Bold easy-to-read flow tube scales
- Flow tubes and balls are easily changed for various single or two gas readings
- Precision machined solid brass body
- Built-in cushion at top of flowmeter tube absorbs ball impact

SINGLE GAS CALIBRATION

PART#	UCF13	14010	14011	14012
UPC#	14001	14010	14011	14012
INLET CONNECTION	CO ₂ 1/4" NPT(F)	CO ₂ 1/4" NPT(M)	CO ₂ 1/4" NPT(F)	CO ₂ 5/8"-18 RH(F)
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	1/4" NPT(F)	5/8"-18 RH(F)
FLOW CAPACITY SCFH	10-80	10-80	10-80	10-80

PART#	UAF14	14013	14014	14015
UPC#	14000	14013	14014	14015
INLET CONNECTION	ARGON 1/4" NPT(F)	ARGON 1/4" NPT(M)	ARGON 1/4" NPT(F)	ARGON 5/8"-18 RH(F)
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	1/4" NPT(F)	5/8"-18 RH(F)
FLOW CAPACITY SCFH	10-70	10-70	10-70	10-70

TWO GAS CALIBRATION

PART#	UAF1413	14017	UAHF14-6	14018
UPC#	14016	14017	14002	14018
INLET CONNECTION	CO ₂ /ARGON 1/4" NPT(F)	CO ₂ /ARGON 5/8"-18 RH(F)	ARGON/HELIUM 1/4" NPT(F)	ARGON/HELIUM 5/8"-18 RH(M)
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAPACITY SCFH	10-80 10-70	10-80 10-70	2-18 5-50	2-18 5-50

PART#	UAHF14-8	14019	UAHF14-10	14020
UPC#	14003	14019	14004	14020
INLET CONNECTION	ARGON/HELIUM 1/4" NPT(F)	ARGON/HELIUM 5/8"-18 RH(M)	ARGON/HELIUM 1/4" NPT(F)	ARGON/HELIUM 5/8"-18 RH(M)
OUTLET CONNECTION	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)	5/8"-18 RH(F)
FLOW CAPACITY SCFH	5-40 10-110	5-40 10-110	10-70 25-205	10-70 25-205



UCF13



UAF14