



HSR & HVTS Regulator / Flowmeter Combination Single & Two Stage

SAMPLE ORDERING INFORMATION

Model No.	CGA Inlet Connection
HSR 2530	580



HSR Series

 Listed
Conforms to
CGA E-4

APPLICATION & USES

HSR & HVTS Series

- Single or Two Stage design
- Compact in size
- Accurate regulator for gas flow
- MIG / TIG applications
- Two Stage version provides extremely accurate flow rates as cylinder pressures decline
- Low surge rates. 25 PSI preset

HSR Models

Dimensions: 7" W x 6-1/4" H x 4-1/4" D
(17.28cm x 15.87cm x 10.79cm)

Weight: 3 lb. 3 oz. (1.58 kg)

HVTS Models

Dimensions: 7"W x 5-1/2"H x 6-1/2"D
(17.78cm x 13.97cm x 16.51cm)

Weight: 4 lb. 10 oz. (2.30 kg)

DESIGN/CONSTRUCTION

- Forged brass body and housing cap
- 2" High pressure gauge
- Stem type seat mechanism
- External self reseating relief valve
- Not designed to protect downstream apparatus
- Sintered inlet filter

SAMPLE ORDERING INFORMATION

Model No.	CGA Inlet Connection
HVTS 2570	580



HVTS Series

 Listed
Conforms to
CGA E-4

SPECIFICATIONS PERFORMANCE

Maximum Inlet3000 PSIG

Outlet pressure, preset.....25 PSIG

Flow capacity See ordering information chart

MATERIALS

Body..... Forged Brass
Housing Cap.....Forged Brass
Diaphragm.....Fabric Reinforced Neoprene
Inlet Filter.....Sinter Bronze
Flowmeter Tube & Cover.....Lexan

Regulator / Flowmeter, Single & Two Stage



HSR & HVTS Regulator/Flowmeter Combination Single & Two Stage (cont.)

Regulator/Flowmeter, Single & Two Stage

ORDERING INFORMATION

UNITS WITH TWO GAS CALIBRATIONS ON FLOWMETER

Gas Service	SINGLE STAGE FLOWMETER		TWO STAGE FLOWMETER		Flowmeter Range (SCFH)	Specify CGA Inlet Connection	Replacement Tube & Float
	Model Number	Part No.	Model Number	Part No.			
Nitrogen/Air	★ HSR 2530	0781-3819	-	-	10-60	580	1015-0070
Argon/Helium	★ HSR 2535	0781-3867	★ HVTS 2535	0781-3775	4 - 18 / 10 - 50	580	1015-0071
Argon/Helium	★ HSR 2537	0781-3871	★ HVTS 2537	0781-3772	15 - 65 / 40 - 200	580	1015-0064

UNITS WITH THREE GAS CALIBRATIONS ON FLOWMETER

Gas Service	SINGLE STAGE FLOWMETER		TWO STAGE FLOWMETER		Flowmeter Range (SCFH)	Specify CGA Inlet Connection	Replacement Tube & Float
	Model Number	Part No.	Model Number	Part No.			
Argon	★ HSR 2570	0781-3873	★ HVTS 2570	0781-3774	5-50	580	1015-0057
Argon/(CO ₂) Mix					5-40	-	
Helium					20-150	-	

WARNING: High gas withdrawal rates on carbon dioxide may require cylinder manifolding. Consult your gas supplier.

Outlet Connections: ★ = 5/8" - 18 RH(F)