

MANIFOLDS

High Purity Brass Pressure Regulators and Manifolds



PRODUCT APPLICATIONS

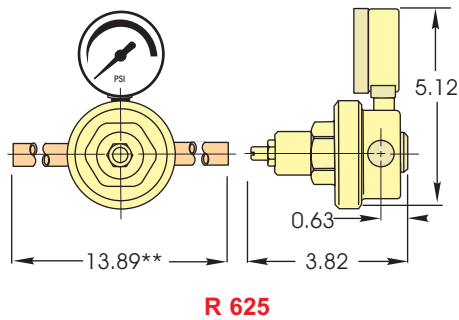
We offer a standard group of high-purity brass pressure regulators and assembled manifolds, constructed from our valve product lines. These items are suitable for:

- High-purity gas service for the semiconductor industry
- Prevention of undesired reverse flow in high-purity gas systems
- Superior containment and cleanliness for your most critical valve applications
- Clean dry air and inert gas applications

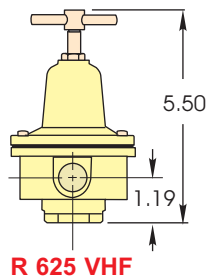
GENERAL PRODUCT FEATURES AND CONFIGURATIONS

- ▶ Machined Brass Body and Forged Brass Bonnet
- ▶ 316L Stainless Steel Diaphragm
- ▶ Slotted Adjusting Screw with Jam Nut (R 625 / R 625 HF)
- ▶ Viton® Seat Insert (Teflon® or CTFE Available)
- ▶ Viton "O" Ring for Diaphragm Seal
- ▶ Adjusting Handle with Jam Nut (VHF 625)
- ▶ Assembled and Tested in CLASS 100 Cleanroom
- ▶ Bright Dip and DI Water Cleaning Process for High-Purity Gas Service
- ▶ Maximum Leak Rate of 1×10^{-6} scc He/sec for Teflon Seal*

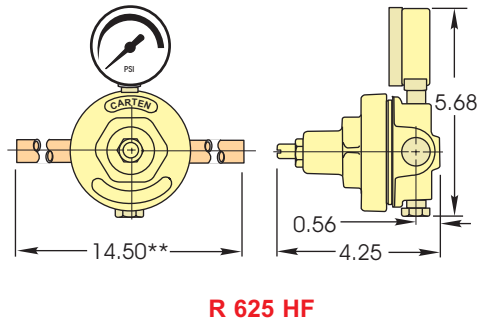
SINGLE STAGE BRASS
STANDARD FLOW REGULATOR



VERY HIGH FLOW
REGULATOR

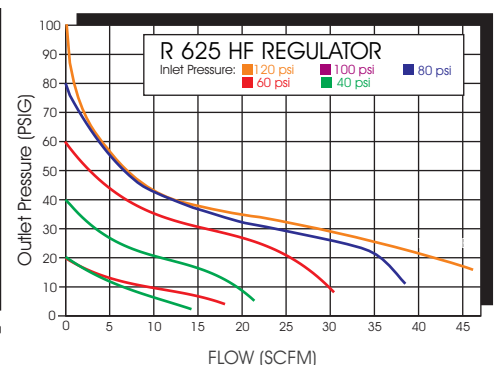
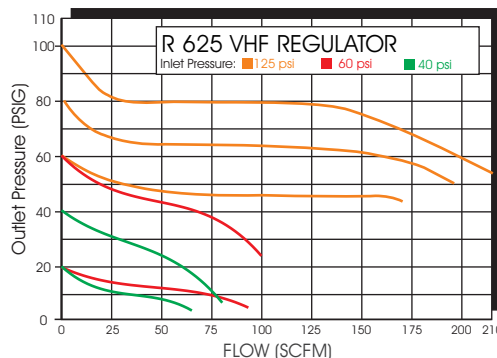
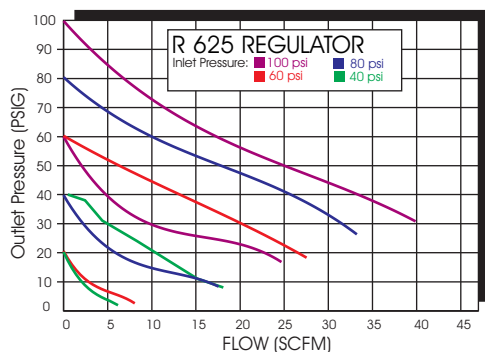


SINGLE STAGE BRASS
HIGH FLOW REGULATOR



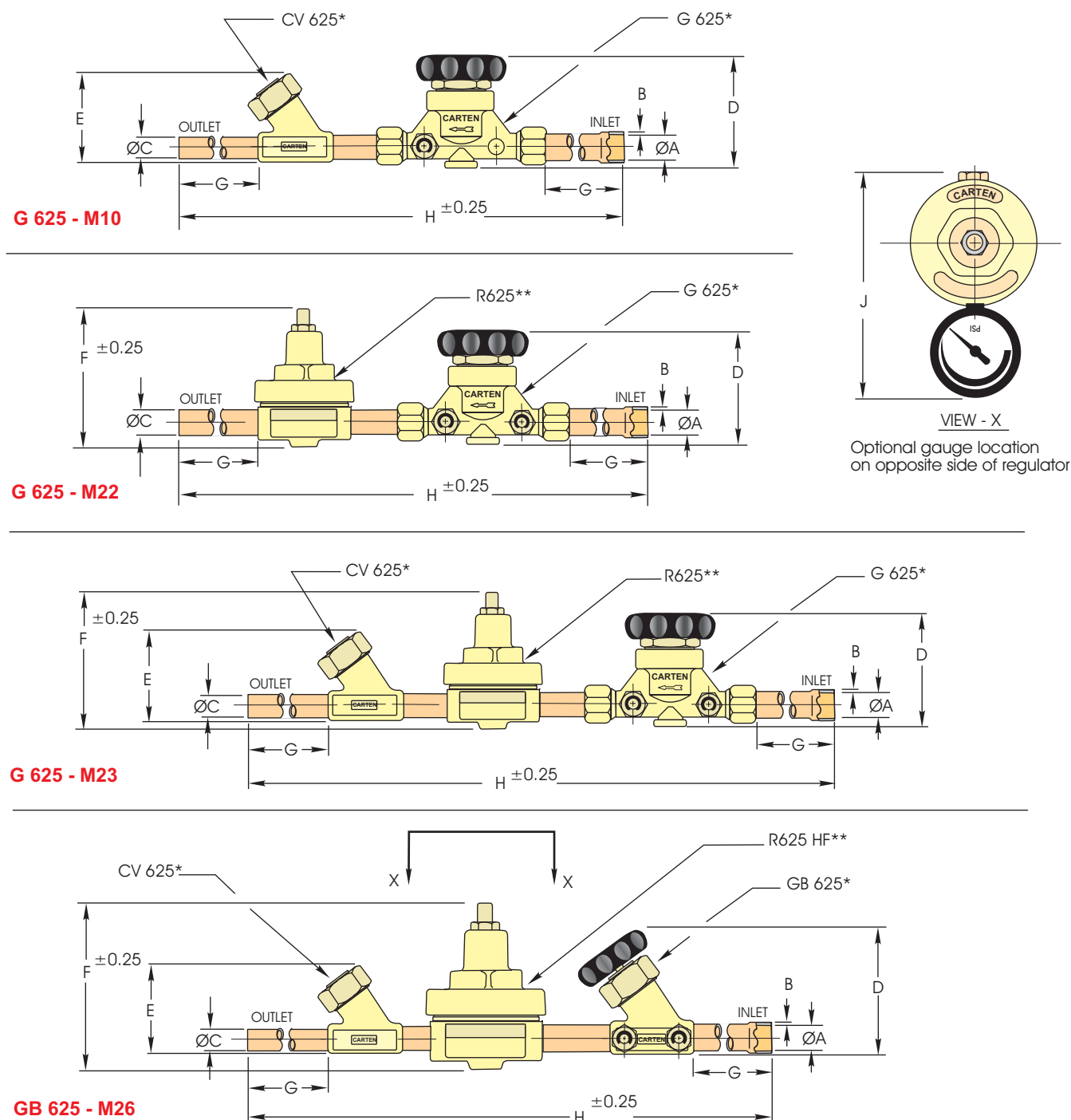
*Excluding Permeation of Viton ** Additional end connections available

REGULATOR - Flow Data



Specifications are subject to change without notice.
Viton and Teflon are registered trademarks of DuPont Company
Ultra-Seal is a registered trademark of Parker Hannifin Corporation

BRASS MANIFOLDS - Valve Dimensions



NOTE 1: All tolerances are ± 0.06 in. unless otherwise stated

CATALOG NO.	A***	B***	C***	D	E	F	G	H	J	Approx. Weight
G625-M10	0.629	0.040	0.625	3.25 (82.6mm)	2.82 (71.6mm)	N/A	3.13 (79.5mm)	16.69 (423.9mm)	N/A	4.25 Lb (1.93 Kg)
G625-M22	0.629	0.040	0.625	3.25 (82.6mm)	N/A	3.86 (98.0mm)	3.13 (79.5mm)	15.45 (392.4mm)	5.12 (130.0mm)	4.75 Lb (2.15 Kg)
G625-M23	0.629	0.040	0.625	3.25 (82.6mm)	2.82 (71.6mm)	3.86 (98.0mm)	3.13 (79.5mm)	19.21 (487.9mm)	5.12 (130.0mm)	5.75 Lb (2.60 Kg)
GB625-M26	0.629	0.040	0.625	3.88 (98.6mm)	2.82 (71.6mm)	4.14 (105.2mm)	3.13 (79.5mm)	19.25 (488.9mm)	5.68 (144.3mm)	6.25 Lb (2.83 Kg)

* CONSULT PRODUCT BROCHURE FOR ADDITIONAL INFORMATION

** CONSULT PREVIOUS PAGE FOR REGULATOR INFORMATION

*** METRIC TUBE SIZES AND WALL THICKNESSES ARE AVAILABLE UPON REQUEST

NOTE 2: Dimensional drawings shown are for reference only. Please contact the manufacturer for customer drawings showing updated dimensions.

REV. 99-1

CARTEN CONTROLS INC.