

EDGE EH500 Series 5.0 Forged Brass Body Regulator

EDGE EH500 Series regulators are intended for primary pressure gas control of:

- ▶ **Non-Corrosive**
- ▶ **High Purity gases** (up to 5.0 Grade)

The **EDGE EH500** series regulators are intended for primary pressure gas control of non corrosive, high purity gases, up to 5.0 purity grade. Victor® has been the leader in gas equipment for one hundred years, and its tradition of unparalleled safety remains a cornerstone of the brand today. With the Victor Professional EDGE Series Regulators, Victor continues to offer the safest, most reliable and highest quality gas control technology, giving you more value for your purchase. In addition, standardized designs and components throughout the EDGE family greatly simplify regulator service and repair.

EHS500 Series – Forged Brass Body Single Stage Regulator for applications where slight pressure variance in delivery pressure is acceptable (as cylinder pressure decreases)

EHT500 Series – Forged Brass Body Two Stage Regulator for applications where constant pressure is required (as cylinder pressure decreases)



EHS500 SERIES



EHT500 SERIES



EDGE EH500 Series 5.0 Forged Brass Body Regulator

EH500 SERIES

TYPICAL APPLICATIONS

Purging
Pressure testing
Gas shielding
Hydrocarbon service

MATERIALS

Body	Forged Brass
Bonnet	High strength alloy
Seat	Viton (Acetylene) / PCTFE
Diaphragm	Stainless Steel
Seals	Viton
Filter	50 Micron Sintered Bronze (Plated)

FEATURES

Full range of inlet and outlet fittings
High impact ABS
SLAM™ knob design
Recessed gauge for improved safety

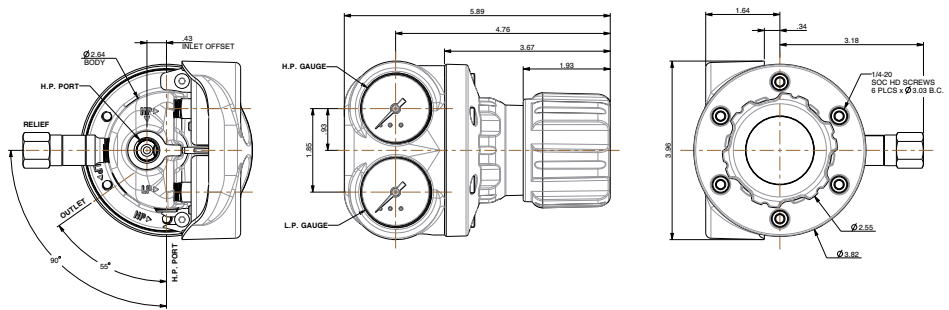
SPECIFICATION

Maximum Inlet Pressure	25 bar (360 psig), 207 bar (3000 psig), 300 bar (4350 psig)*		
Delivery Pressure Range psig	0-15 psig, 0-40 psig, 0-125 psig, 0-200 psig.		
Delivery Pressure Range bar	0-1 bar, 0-2.8 bar, 0-8.6 bar, 0-13.8 bar		
Gauges	40 mm (1 1/2") diameter gauges		
Ports	1/4" NPT Female		
Temperature Range	-40° C to +60° C (60° F to 140° F)		
Flow Coefficient	EHS500	EHT500	
	$C_v=0.283$	$C_v=0.178$	
Ports	1/4" NPT Female		
Weight	EHS500	1.81 kg (4.0 lb)	
	EHT500	2.15 kg (4.7 lb)	

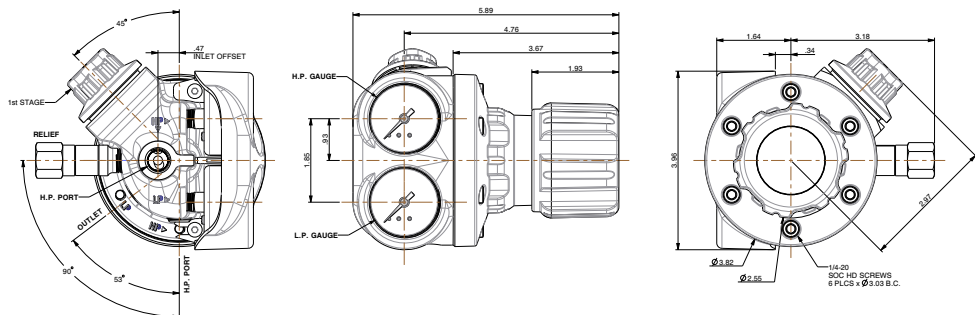
*Single and Two Stage regulators with no fitting fitted in to the regulator

DIMENSIONS

EHS500 Series –



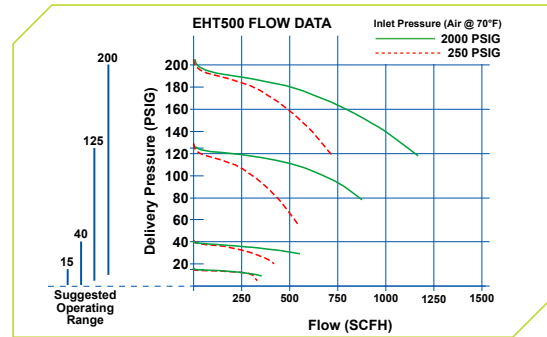
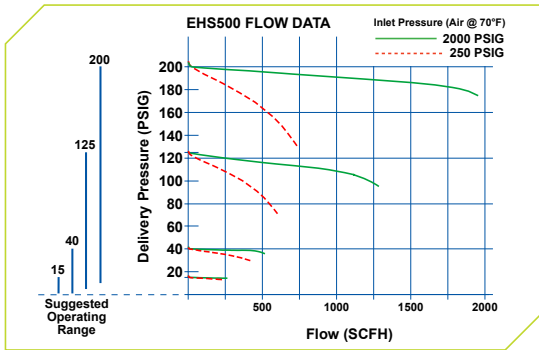
EHT500 Series –



EDGE EH500 Series

5.0 Forged Brass Body Regulator

FLOW PERFORMANCE



MODEL NO. SELECTOR GUIDE

EHS500-03-15-09-09-054-58-A

PRODUCT MODEL	INLET PRESSURE	DELIVERY PRESSURE	INLET PRESSURE GAUGE UNIT	DELIVERY PRESSURE GAUGE UNIT	INLET FITTINGS	OUTLET FITTINGS	OPTIONS
EHS500	01 360 psi	01 0-15 psi	09 PSI/KPA (Default no options)	09 PSI/KPA (Default no options)	000 No Inlet Fittings	00 No Outlet Fittings	A No Options
EHS510 (Acetylene)	03 3000 psi	14 0-40 psi			001 1/8" Compression Tube Brass	01 1/8" Compression Tube Brass	L Compliance Certificate
	04 4350 psi	15 0-125 psi			003 1/4" Compression Tube Brass	03 1/4" Compression Tube Brass	N Without Relief Valve
		16 0-200 psi			007 1/4" NPT Male Brass	07 1/4" NPT Male Brass	
					044 CGA 280 Brass	21 Control Valve 1/4" NPT Brass	
					045 CGA 296 Brass	22 Control Valve 1/8" Compression Tube Brass	
					046 CGA 300 Brass	23 Control Valve 1/4" Compression Tube Brass	
					047 CGA 320 Brass	57 DRK Diffusion Resistant Shut-Off Valve 1/4" NPT Female Brass	
					048 CGA 326 Brass	58 DRK Diffusion resistant Shut-Off Valve 1/8" Tube Brass	
					050 CGA 346 Brass	59 DRK Diffusion resistant Shut-Off Valve 1/4" Tube Brass	
					051 CGA 350 Brass	60 DRK Diffusion resistant Shut-Off Valve 1/4" NPT Male Brass	
					053 CGA 510 Brass		
					054 CGA 540 Brass		
					056 CGA 580 Brass		
					057 CGA 590 Brass		
					061 CGA 992 Brass		
					062 CGA 993 Brass		

- Rules: **EHS500** 1) Model number for delivery pressures from 40 up to 200 psi
 2) Inlet Pressure of 4350 psi (option 4) only available with no inlet fitting (option 00 - inlet fittings) and option N (without relief valve - options) not available
- EHS510 Acetylene** 1) Model number for 15 psi delivery pressure only (Acetylene regulator) Inlet Fitting CGA 510 only and 360 psi inlet pressure

EDGE EHT500 Series 5.0 Forged Brass Body Regulator

MODEL NO. SELECTOR GUIDE

EHT500-03-16-09-09-054-21-L

PRODUCT MODEL	INLET PRESSURE	DELIVERY PRESSURE	INLET PRESSURE GAUGE UNIT	DELIVERY PRESSURE GAUGE UNIT	INLET FITTINGS	OUTLET FITTINGS	OPTIONS
EHT500	01 360 psi	01 0-15 psi	09 PSI/KPA (Default no options)	09 PSI/KPA (Default no options)	000 No Inlet Fittings	00 No Outlet Fittings	A No Options
EHT510 (Acetylene)	03 3000 psi	14 0-40 psi			001 1/8" Compression Tube Brass	01 1/8" Compression Tube Brass	L Compliance Certificate
	04 4350 psi	15 0-125 psi			003 1/4" Compression Tube Brass	03 1/4" Compression Tube Brass	N Without Relief Valve
		16 0-200 psi			007 1/4" NPT Male Brass	07 1/4" NPT Male Brass	
					044 CGA 280 Brass	21 Control Valve 1/4"N PT Brass	
					045 CGA 296 Brass	22 Control Valve 1/8" Compression Tube Brass	
					046 CGA 300 Brass	23 Control Valve 1/4" Compression Tube Brass	
					047 CGA 320 Brass	57 DRK Diffusion Resistant Shut-Off Valve 1/4" NPT Female Brass	
					048 CGA 326 Brass	58 DRK Diffusion resistant Shut-Off Valve 1/8" Tube Brass	
					050 CGA 346 Brass	59 DRK Diffusion resistant Shut-Off Valve 1/4" Tube Brass	
					051 CGA 350 Brass	60 DRK Diffusion resistant Shut-Off Valve 1/4" NPT Male Brass	
					053 CGA 510 Brass		
					054 CGA 540 Brass		
					056 CGA 580 Brass		
					057 CGA 590 Brass		
					061 CGA 992 Brass		
					062 CGA 993 Brass		

- Rules: **EHT500** 1) Model number for delivery pressures from 40 up to 200 psi
 2) Inlet Pressure of 4350 psi (option 4) only available with no inlet fitting (option 00 - inlet fittings)
EHT510 Acetylene 1) Model number for 15 psi delivery pressure only (Acetylene regulator) Inlet Fitting CGA 510 only and 360 psi inlet pressure