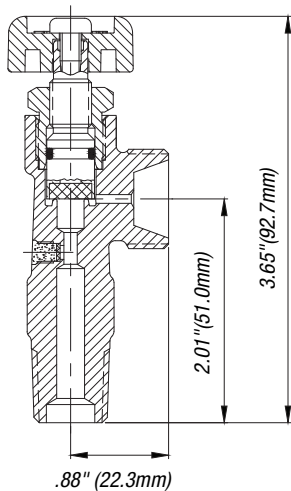
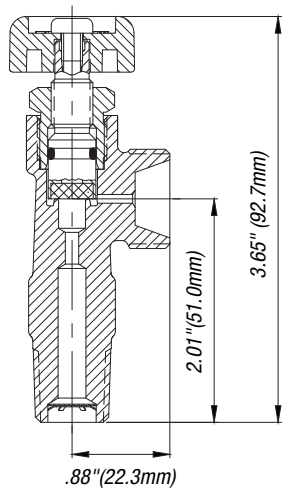


# AV-HW Series

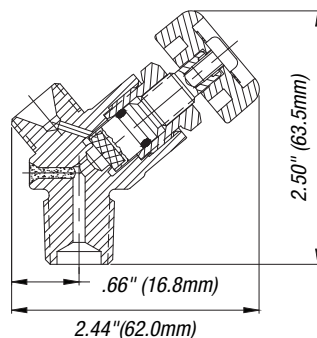
## Small Cylinder Acetylene Handwheel-Operated Valves



AVB521HW



AVB521HWM



AVMC201HW

All AV-HW series valves are offered with protected internal bonnet design.

### AVB521HW

- Use with B style cylinders
- Handwheel enables ease of use in transportation and in the field
- Provides rugged durability for construction and field servicing applications

### AVB521HWM

- Use in manifold applications
- Clearly labeled “Manifold” with red handwheel
- Enables ease of use in transportation and in the field
- Designed without fuse metal (no internal PRD)

### AVMC201HW

- Use with 10 cu. ft. capacity (MC style) cylinders
- Enables ease of use in transportation and in the field
- Ideal for brazing and cutting applications

#### Design Specifications

	English	Metric
Maximum Working Pressure	500 PSI	34 Bar
Burst Pressure	1125 PSI	77 Bar
Leak Rate	1x10 <sup>-3</sup> atm cc/sec	1x10 <sup>-3</sup> Bar mL/sec
Operating Torque	10–20 in.-lbs	1–2 Nm
Cv Flow Factor	Standard (.078" Thru Hole) .15	
Cycle Life	2000 Minimum	2000 Minimum

#### Materials of Construction

Part Description	Materials of Construction
Handwheel	Aluminum A380
Screw	Zinc Plated Alloy Steel
Stem	Brass C36000
Bonnet	Brass C36000
O-Ring	Ethylene Propylene (EPDM)
Seat	Nylon, Zytel 101
Body	Forged Brass C37700
Lubricants	Christo-Lube
Fuse Metal	Bismuth, Lead, Cadmium, Tin
Retaining Ring (AVB521HWM)	PH15-7 MO Stainless Steel
Strainer (AVB521HWM)	Wire Monel Cloth

Standards of Conformance

CGA V-9  
 ISO10297  
 CGA V-1  
 CGA S1.1  
 A-A-59860

Standard for Gas Cylinder Valves  
 International Standard for Cylinder Valves Design Specifications  
 Compressed Gas Cylinder Valve Outlet  
 Standard for Pressure Relief Devices  
 US General Services Administration Standards for Gas Cylinder Valves

Ordering Information

Sherwood Part Number	CGA	Outlet Thread Size	Inlet Thread Size	Fusible Metal
AVB521HW	520	.895-18 NGO RH Ext.	3/8"-18 NGT	212° F
AVB521HWM (Manifold)	520	.895-18 NGO RH Ext.	3/8"-18 NGT	None
AVMC201HW	200	.625-20 NGO RH Ext.	3/8"-18 NGT	212° F

