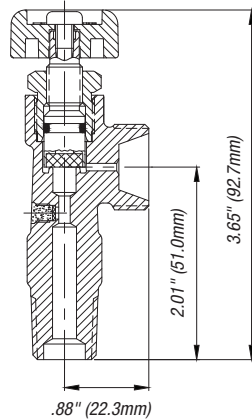


AV-HW Series

Small Cylinder Acetylene Handwheel-Operated Valves



Key Features & Benefits

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

AVB521HW

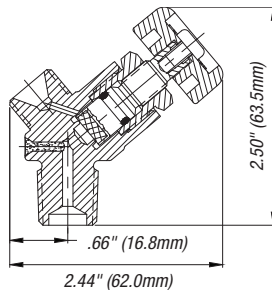
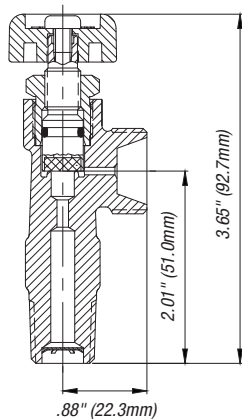
- Use with B style cylinders
- Handwheel enables ease of use in transportation and in the field
- Provides rugged durability for construction and field servicing applications

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 ⁻³ atm cc/sec	1x10 ⁻³ 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

For Product Markings Reference, see on page 66.

SHERWOOD VALVE COMPRESSED GAS PRODUCTS

Acetylene Valves

AV-HW Series

Small Cylinder Acetylene Handwheel-Operated Valves

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	Standard for Gas Cylinder Valves
ISO10297	International Standard for Cylinder Valves Design Specifications
CGA V-1	Compressed Gas Cylinder Valve Outlet
CGA S1.1	Standard for Pressure Relief Devices
A-A-59860	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

AV-HW Kits	
Sherwood Part Number	Description
78-2058-7-KIT	Gold Handwheel & Screw (25 pieces)
79-2058-7-KIT	Red Handwheel & Screw (25 pieces)
3329-13Y-KIT	Replacement Stem Assembly Kit (25 pieces)