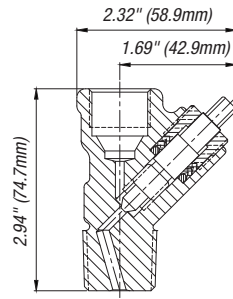


AV Series

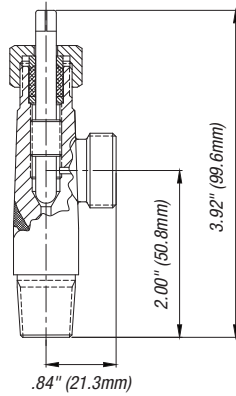
Small Cylinder Acetylene Wrench-Operated Valves



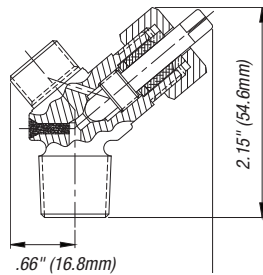
AV5160WB



AVB521



AVMC201



Key Features & Benefits

AV5160WB

- Use with 390 cu. ft. capacity (WB style) cylinders
- Enables easy access and operation within the cylinder collar

AVB521

- Use with 40 cu. ft. capacity (B style) cylinders
- Provides rugged durability in construction and field servicing applications
- Enables positive shut-off

AVB521S

- Use in manifold applications
- Clearly labeled “Manifold” with red bonnet nut
- Designed without fuse metal (no internal PRD)

AVB521SM

- Use in manifold applications in corrosive environments
- Features stainless steel stem
- Clearly labeled “Manifold” with red bonnet nut
- Designed without fuse metal (no internal PRD)

AVMC201

- Use with 10 cu. ft. capacity (MC style) cylinders
- Ideal for brazing and cutting applications
- Enables positive shut-off

Design Specifications

		English	Metric
AV Series	Operating Torque	4–6 in.-lbs	.4–.7 N-m
AVB and AVMC Valves	Closing Torque	6–10 in.-lbs.	.7–1.1 N-m
AVB and AVMC Valves	Bonnet Nut	105–115 in.-lbs.	11.8–13 N-m
AV5160WB Only	Closing Torque	14–16 in.-lbs.	1.6–1.8 N-m
AV5160WB Only	Packing Nut	120–180 in.-lbs.	13.5–20.3 N-m

For Product Markings Reference, see **F** on page 66.

SHERWOOD VALVE COMPRESSED GAS PRODUCTS

Acetylene Valves

AV Series

Small Cylinder Acetylene Wrench-Operated Valves

Materials of Construction		
Sherwood Part Number	Part Description	Materials of Construction
<i>AVMC201</i>		
N/A	Lubricant	Dow Corning 55M
2000-9B35	Packing Nut	Brass C36000
2000-9B30	Packing Gland	Brass C36000
2000-9B20	Packing	PTFE
2000-B75	Packing Washer	Brass C36000
5-2000A-2B00	Needle	Steel, Zinc Plated
N/A	Body	Brass C37700 & Fuse Metal
<i>AVB521SM</i>		
J26005-43B	Retaining Ring	Stainless Steel
5201-9B70	Strainer	Monel
N/A	Lubricant	Dow Corning 55M
2000-9B35R	Packing Nut	Brass C36000
2000-9B30	Packing Gland	Brass C36000
2000-9B20	Packing	PTFE
2000-9B75	Packing Washer	Brass C36000
19-5200-2B00	Needle	Stainless Steel
N/A	Body	Brass C37700
<i>AVB521S</i>		
J26005-43B	Retaining Ring	Stainless Steel
5201-9B70	Strainer	Monel
N/A	Lubricant	Dow Corning 55M
2000-9B35R	Packing Nut	Brass C36000
2000-9B30	Packing Gland	Brass C36000
2000-9B20	Packing	PTFE
2000-9B75	Packing Washer	Brass C36000
5-5200A-2B00	Needle	Steel, Zinc Plated
N/A	Body	Brass C37700
<i>AV5160WB</i>		
N/A	Lubricant	Dow Corning 55M
8830-6008	Packing	PTFE
5106-9B35	Bonnet	Brass C36000
19-5106-2B00	Needle	Stainless Steel
5101-9B75	Adapter	Brass C36000
N/A	Body	Brass C37700
<i>AVB521</i>		
N/A	Lubricant	Dow Corning 55M
2000-9B35	Packing Nut	Brass C36000
2000-9B30	Packing Gland	Brass C36000
2000-9B20	Packing	PTFE
2000-9B75	Packing Washer	Brass C36000
5-5200A-2B00	Needle	Steel, Zinc Plated
N/A	Body	Brass C37700 & Fuse Metal

Standards Conformance	
CGA V-9	Standards for Gas Cylinder Valves
CGA S1.1	Standards 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
AV5160WB	510	.885-14 NGO LH Int.	3/4"-14 NGT	—
AVB521	520	.895-18 NGO RH Ext.	3/8"-18 NGT	212° F
AVB521S (Manifold)	520	.895-18 NGO RH Ext.	3/8"-18 NGT	None
AVB521SM (Manifold)	520	.895-18 NGO RH Ext.	3/8"-18 NGT	None
AVMC201	200	.625-20 NGO RH Ext.	3/8"-18 NGT	212° F