SHERWOOD

1-888-50VALVE (508-2583)

"YVA" SERIES LINE VALVES TECHNICAL SPECIFICATIONS

IMPORTANT!

This specification is intended for use with **"YVA" Series Line Valve Assemblies**.

MAKE SURE YOU ARE USING THE CORRECT SPECIFICATION!

REFERENCE DATA:

Pressure

Proof: 25,000 PSIG Minimum

Test: System Service Pressure up to 6000 PSIG Maximum

Temperature - Storage

Minimum: -65 F

Maximum: 155 F

Temperature - Operating

Minimum: -50 F

Maximum: 120 F

Cycle Life:

Minimum: 5000 cycles

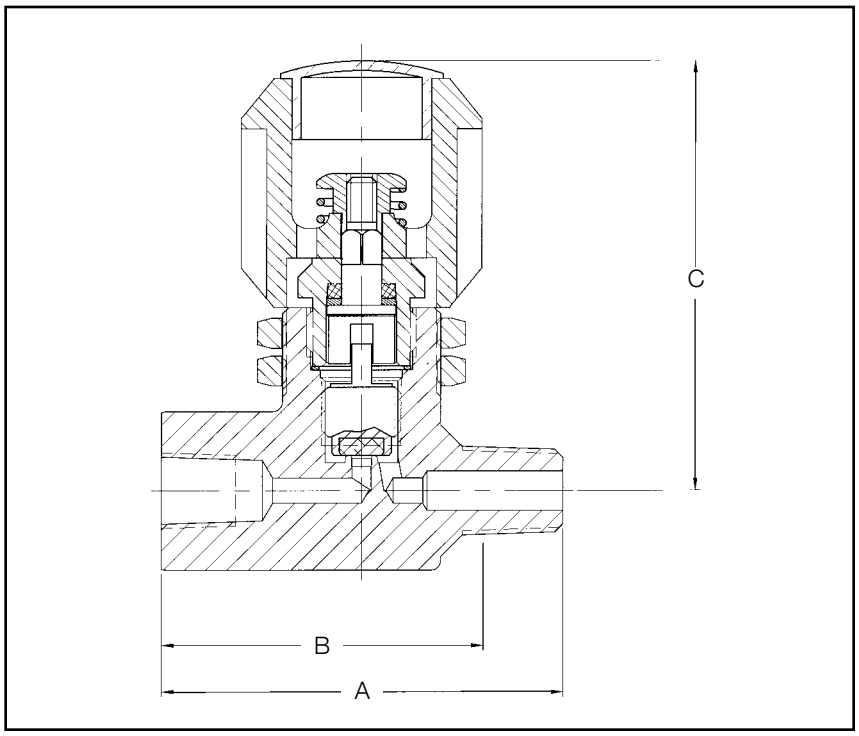
CONFORMS TO ALL REQUIREMENTS OF:

MIL-DTL-2E DOD
Specification for Gas Cylinder Valves

CGA V-9
Standard for Gas Cylinder Valves

CGA S - 1.1
Standard for Pressure Relief Devices

CGA V-1
Compressed Gas Cylinder Valve
Outlet and Inlet Connections



"YVA" SERIES LINE VALVES
(See Repair Section for detail parts breakdown)

TORQUE VALUES FOR "YVA" SERIES LINE VALVES

Description	Torque
Operating Torque @ 0 PSIG Inlet Pressure	1 - 2 in. lb.
Closing Torque @ 2000 PSIG Inlet Pressure	2 - 3 in. lbs.
Bonnet Installation Torque	25 to 30 ft. lbs.
Stem Nut Installation Torque	Nut Flush with top of Stem

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TECHNICAL SPECIFICATIONS

MATERIALS OF CONSTRUCTION FOR "YVA" SERIES LINE VALVES

Part Description	Material of Construction
Body	Forging Brass UNS Alloy #37700, Chrome Plated
Bonnet	Free Machining Brass, UNS ASTM B-16-53, Chrome Plated
Gasket	Copper
Handwheel	Lexan®
Handwheel Cap	Lexan®
Lower Plug	Leaded Naval Brass, UNS Alloy #C34200
Lower Plug Seat	Nylon: Zytel® 101 or Celanese 1000-11
Packing (3506-18)	Viton®
Packing (3506-7)	Virgin Teflon®
Panel Mount Nut (as required)	Free Machining Brass, UNS Alloy #36000, Chrome Plated
Spring	Type 302 Stainless Steel, Passivated
Stem	Aluminum Silicon Bronze Alloy # 708-8, Nickel Plated
Stem Nut	Free Machining Brass, UNS Alloy 36000

FLOW AND DIMENSIONS FOR "YVA" SERIES LINE VALVES: FOR ALL OUTLET TYPES

FLOW DATA	Seat Orifice Diameter (inches)		0.120
	Flow Constant: Cv - Full Open		0.284
	Flow CFM @ 2000 PSIG Inlet		280
APPROXIMATE DIMENSIONS (INCHES) FOR ALL INLET TYPES	Overall Length	(A)	2.50
	Length of Valve Installed in Line*	(B)	2.11
	Centerline of Inlet to Top of Handwheel	(C)	2.70

* Valves with tapered threaded inlets are calculated to 7 ¾ threads engagement.