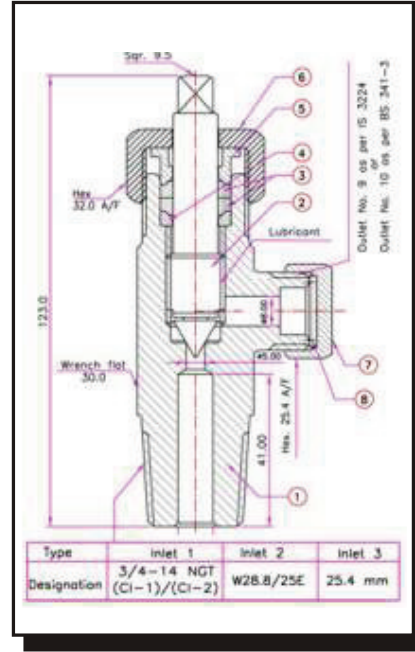


Steel Gas Cylinder Valves

Key operated valves

Series : CST-06



Product Features

- Steel cylinder valve body forged from Low Carbon Steel, IS : 2004 Class 2.
 - Ammonia valves have self-centering spindle designed for self alignment and valve closing at low torque. Valves for other services available in solid single piece spindle.
 - Valve body and MS spare parts are "Blackened" by electroplating process for good aesthetic look and corrosion resistance.
 - 'Packed' design allows repeated gland nut tightening to compensate for packing wear to ensure external tightness.
- Optional:
- 1/4" BSB thread for dip tube fitment.
 - Ammonia valves can be provided with fusible plug having yield temperature between 70°C-

Material of Construction

Item No	Description	Material
1	Valve body-forged	Low Carbon Steel to IS : 2004 (Class 2)
2	Spindle	
	Ammonia	Stainless steel AISI 410 with AISI 304 Tip
	Phosgene	Monel [®] 400
	Ethylene oxide	Monel [®] 400 / Stainless steel AISI 316
	Vinyl Chloride	
	Dimethylamine	
	Methylamine	Stainless steel AISI 316
Ethylamine		
3	Packing X 2	Teflon [®]
4	Gland washer	MS (Blackened)
5	Gland	
6	Gland nut	
7	Seal nut	
8	Gasket	Nylon 66

Steel Gas Cylinder Valves

Service Chart

Gas service	Test Pressure Kgf/cm ²		Outlet connection							
	Pneumatic	Hydraulic	IS:3224:2002		CGA V-1-2005		BS 341:3- 2002 (Upto 250 bar)		DIN 477-1:1990 (Upto 300 bar)	
			No	Thread (External)	No	Thread	No	Thread (External)	No	Thread (External)
Ammonia	40	60	9	G 1/2 A	240 (Upto 500 psig)	3/8-18 NGT-RH-INT	10	G 1/2 A	6	W 21.80 x 1/14
					705 (Upto 3000 psig)	1.125-14 UNS-2A-RH-EXT				
Phosgene	30	45	5	G 5/8 A	660 (Upto 3000 psig)	1.030-14 NGO-RH-EXT	6	G 5/8 A	8	1 in - 8 BSW
Ethylene oxide			6	G 5/8 A LH	510 (Upto 500 psig)	.885-14 NGO-LH-INT	7	G 5/8 A-LH	1	W 21.80 x 1/14
Vinyl chloride					705 (Upto 3000 psig)	1.125-14 UNS-2A-RH-EXT	11	G 1/2 A-LH		
Dimethylamine										
Methylamine			10	G 1/2 A LH						
Ethylamine										

Torque Values

Closing	6 Nm
Gland Nut Installation	60 Nm