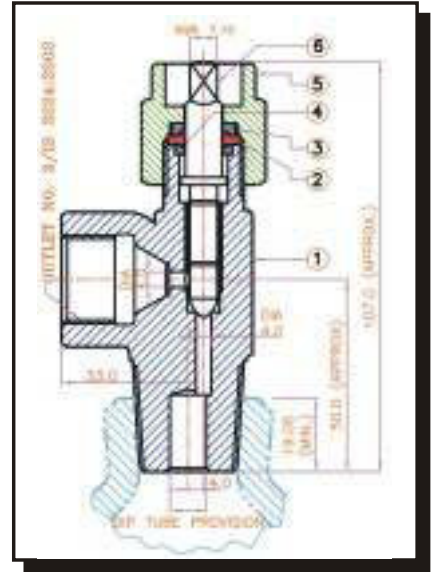


Key operated cylinder valves (packed type) for Oxygen, Acetylene, Inert, Medical and other non corrosive high pressure gases

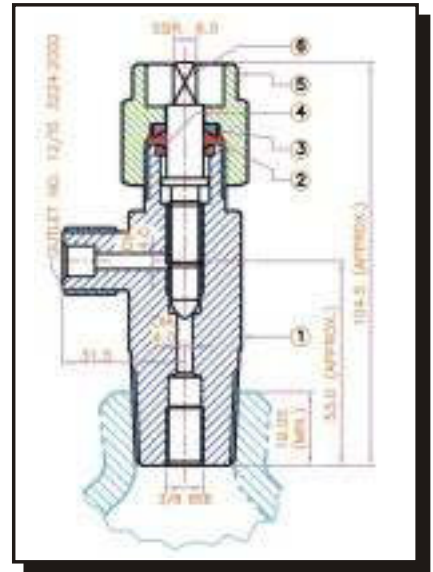
Horizontal Outlet Valves - Series IHO -06



Material of Construction



Item No.	Description	Material
1	Valve body-forged	High tensile brass CuZn40Mn1Pb1FeSn to En12165
2	Packing	Teflon®
3	Packing/ Gland washer	Free cutting brass to IS 319 (Grade 1)
4	Packing collar	
5	Gland nut	
6	Spindle	Stainless steel AISI 304



Product Features



- Strong durable brass body forged from high tensile brass. Robust design with offset body ideal for industrial use.
 - One piece spindle assures a positive metal seal for durability and long cycle life.
 - Operating assembly has a top brass washer (packing washer) in addition to a bottom brass washer (packing collar) so that the gland nut is not torqued directly against the packing and to compress teflon® packing from both sides.
 - Simplicity in design ensures ease of component interchangeability & replacement.
 - Valve body and gland nut are bright chrome plated for medical gases to service condition No 2 of IS:1068 for corrosion resistance and to protect from harmful effect of cleaning solutions.
 - Acetylene valves can be provided with fuse plugs conforming to IS: 13497 having melting temperature 98°C-104°C. Acetylene valves can also be provided with safety disc having burst pressure (53,+0,-10% kgf/cm²).
 - Reseating tools and gauges available on request.
- Optional:
- Flow control spindle for medical cylinders.
 - Pressure relief device to requirements of CGA S.1.1.
 - Threads for dip tube fitment.

Key operated cylinder valves (packed type) for Oxygen, Acetylene, Inert, Medical and other non corrosive high pressure gases

Service Chart - for Horizontal (Series IHO -06) and Vertical (Series IVO-06) Outlet Valves

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	No.	Thread	No.	Thread	No.	Thread						
Oxygen/ Medical Oxygen	143-306	215-459	3	G 5/8 Internal	540 (Up to 3000 psig)	.903-14 NGO-RH-EXT	3	G 5/8 Internal	9	G 3/4 (External)						
Hydrogen	150-200	225-300	2	G 5/8-LH Internal	350 (Up to 3000 psig)	.825-14 NGO-LH-EXT	4	G 5/8 -LH Internal	1	W 21.80 x 1/14 LH (External)						
Acetylene	60-90	90-135			510 (Up to 500 psig)	.885-14 NGO-LH-INT	2, 4		3	Yoke Type connection.						
Nitrogen	143-306	215-459	20	G 3/4 A (External)	580 (Up to 3000 psig)	.965-14 NGO-RH -INT	3	G 5/8 Internal	10	W 24.32 x 1/14 (External)						
Argon /Helium Krypton/ Xenon Neon									6	W 21.80 x 1/14 (External)						
Air									19	G 7/8 A (External)	346 (Up to 3000 psig)	.825 -14 NGO-RH-EXT	13	G 5/8 Internal		
Isobutylene	20-30	30-45	2	G 5/8-LH Internal	510 (Up to 500 psig)	.885-14 NGO-LH-INT	4	G 5/8 -LH Internal	1	W 21.80 x 1/14 LH (External)						
Butadiene	40	60							150-200	225-300	350 (Up to 3000 psig)	.825-14 NGO-LH-EXT	4	G 5/8 -LH Internal	5	1 in -8 BSW - LH (External)
Carbon Monoxide	150-200	225-300													1	W 21.80 x 1/14 LH (External)
Methane/ Ethylene																
Nitrous Oxide	177	266	12	EXT-W 17.46 X 1.27	326 (Up to 3000 psig)	.825-14 NGO-RH-EXT	13	11/16" 20 TPI Whit form (External)	11	G 3/8 (External) For Cyl above 3 litres						
Methyl Bromide	30	45	15	G 1/4 A (External)	330 (Up to 3000 psig)	.825-14 NGO-LH-EXT	7	G 5/8 A-LH (External)	8	1 in - 8 BSW (External)						

Torque Values

Closing	8 Nm
Gland Nut Installation	60 Nm
Fuse plug	15-20 Nm



Vertical Outlet Valves - Series IVO-06

