

## Valves (Key Operated) Single Spindle (JV-202-00)

Sr.No.	Gas Service	Key Operated	Inlet Thread Size (*As Per Customer Requirement)								Outlet Thread Size	Pitch Measured Along The Cone	Outlet No.of IS:3224	Working Pressure (Kgf/cm2)	Hydraulic Test Pressure (Kgf/cm2)
			1/2"	17E	3/4"	25E	1"	1-1/4"	1-1/2"	M18X1.5					
1	Oxygen	Key Operated	1/2"	17E	3/4"	25E	1"	1-1/4"	1-1/2"	M18X1.5	G5/8"X14 BSP-RH	1.814	3	250	375
2	Medical Oxygen	Key Operated	1/2"	17E	3/4"	25E	1"	1-1/4"	1-1/2"	M18X1.5	G5/8"X14 BSP-RH	1.814	3	250	375
3	Nitrogen	Key Operated	1/2"	17E	3/4"	25E	1"	1-1/4"	1-1/2"	M18X1.5	G3/4"X14 BSP-A (RH)	1.814	20	250	375
4	Argon	Key Operated	1/2"	17E	3/4"	25E	1"	1-1/4"	1-1/2"	M18X1.5	G3/4"X14 BSP-A (RH)	1.814	20	250	375
5	Hydrogen	Key Operated	1/2"	17E	3/4"	25E	1"	1-1/4"	1-1/2"	M18X1.5	G5/8"X14 BSP-LH	1.814	2	250	375
6	Helium	Key Operated	1/2"	17E	3/4"	25E	1"	1-1/4"	1-1/2"	M18X1.5	G3/4"X14 BSP-A (RH)	1.814	20	250	375
7	Air	Key Operated	1/2"	17E	3/4"	25E	1"	1-1/4"	1-1/2"	M18X1.5	G7/8"X14 BSP-A (RH)	1.814	19	250	375
8	Acetylene	Key Operated	1/2"	17E	3/4"	25E	1"	1-1/4"	1-1/2"	M18X1.5	G5/8"X14 BSP-LH	1.814	2	90	135
9	Neon *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	G3/4"X14 BSP-A (RH)	1.814	20	250	375
10	Krypton *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	G3/4"X14 BSP-A (RH)	1.814	20	250	375
11	Xenon *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	G3/4"X14 BSP-A (RH)	1.814	20	250	375
12	Methane *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	G5/8"X14 BSP-LH	1.814	20	250	375
13	Ethylene *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	G5/8"X14 BSP-LH	1.814	20	250	375
14	Butadiene *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	G5/8"X14 BSP-LH	1.814	20	60	90
15	Coal Gas *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	G5/8"X14 BSP-LH	1.814	20	250	375
16	Dimethyl Ether *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	G5/8"X14 BSP-LH	1.814	20	60	90
17	Isobutylene *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	G5/8"X14 BSP-LH	1.814	20	30	45
18	Carbon Monoxide *	Key Operated	1/2"	-----	3/4"	-----	1"	1-1/4"	-----	-----	Ext W21.8X1.814 (RH)	1.814	7	250	375

NOTE: \* As per customer requirement

### Valve (Material of Construction) JV-202-00

Sr.No.	Description	Material	Specification
1	Valve Body (Key Operated /Wheel Operated)	HT Brass	IS:3224/IS:6912
2	Gland Nut	Free Cutting Brass	IS:319
3	Spindle	Speed Steel	-----
4	Gland Packing	Teflon	-----
5	Gland Packing Washer	Free Cutting Brass	IS:319
6	Soft Seat	Nylon (PA6)	-----
7	Washer	MS (Zn Plated)	-----
8	Hand Wheel	Al.Aloy/ABS	-----
9	Hex Nut	MS (Zn Plated)	-----

### Technical Details (JV-202-00)

➔ K/O Minimum Valve closing Torque	8 Nm
➔ W/O Minimum Valve closing Torque	5 Nm
➔ K/O Valve Gland nut installation	60-70 Nm
➔ W/O Valve Gland nut installation	60-70 NM
➔ Operating temperature range	-20°C to 65°C
➔ Storage temperature range	-40°C to 65°C
➔ Minimum life cycle	6000 Cycles
➔ Valve working pressure	See as per table
➔ Valve hydrostatic pressure	See as per table
<b>NOTE:</b>	
<b>K/O (Key Operated)</b>	
<b>W/O (Wheel Operated)</b>	