

IBV SERIES VACUUM BALL VALVES



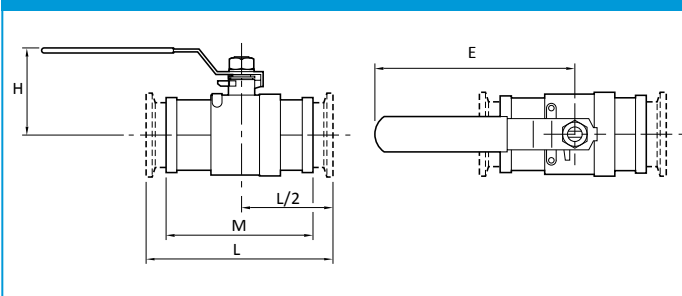
Ball valves are popular in applications where fast action and full bore pumping are needed.

The Edwards IBV series valves combine these practical everyday features plus ease of use and economy in a high specification design. Manufactured in 316L stainless steel with PTFE seats they deliver robust performance in a wide variety of vacuum duties.

Features and benefits

- Low capital cost
- Convenient NW16, 25, 40, 50 sizes
- Optional BSP threaded versions
- Easy to use manual operation
- High conductance full bore pumping

IBV Dimension



Model	E	H	L	M	Flange
IBV16MKS	123	56	97.3	-	NW10/16
IBV16MS	123	56	-	59.7	½" BSP
IBV25MKS	145	70	125.7	-	NW25
IBV25MS	145	70	-	82.5	1" BSP
IBV40MKS	189	84	166	-	NW40
IBV40MS	189	84	-	111	1½" BSP
IBV50MKS	189	94	175.9	-	NW50
IBV50MS	189	94	-	125	2" BSP



Technical Data

IBV	
Construction materials	
Body/Ball	AISI 316L stainless steel
Cups	PTFE
Leak rate	1 x 10 ⁻⁶ mbar ls ⁻¹ / 8 x 10 ⁻⁷ Torr ls ⁻¹
Molecular conductance	
IBV16MKS	5.3 ls ⁻¹
IBV25MKS	15.9 ls ⁻¹
IBV40MKS	46.5 ls ⁻¹
IBV50MKS	86.0 ls ⁻¹
Pressure rating (bar absolute) using NW co-seal	7 bar/102 psi
Ambient operating temp range	5 to 65 °C
Reliability MTTF	30000 cycles
Weight (g/lbs)	
IBV16MKS (MS)	1200/2.6 (750/1.7)
IBV25MKS (MS)	1750/3.9 (1500/3.3)
IBV40MKS (MS)	3100/6.8 (2600/5.7)
IBV50MKS (MS)	4300/9.4 (3600/7.9)

IBV series vacuum ball valves

Ordering information



Product description	Order no:
IBV16MKS Ball Valve NW16	C36000100
IBV16MS Ball Valve ½" BSP	C36000110
IBV25MKS Ball Valve NW25	C36000200
IBV25MS Ball Valve 1" BSP	C36000210
IBV40MKS Ball Valve NW40	C36000300
IBV40MS Ball Valve 1.1/2" BSP	C36000310
IBV50MKS Ball Valve NW50	C36000400
IBV50MS Ball Valve 2" BSP	C36000410