



Flange Connections

ANSI B 16.5, 150lbs

*Available on DIN EN 1092-2 PN10, PN16

A two piece full port standard lined ball valve which offers high safety factors, high stability, rigidity and eliminates a potential leak path. The full port design minimizes pressure losses and increases flow capacities thus reducing energy and pumping costs.

Atomac lined ball valves are engineered to include a free floating ball design which offers the following benefits:

- Low frictional coefficients resulting in low operating torques
- Positive shut - off across the pressure range
- Reduction of stem side loads eliminating potential leaks to atmosphere through the valve gland.

A real anti blow-out stem design offers increased safety. Each lined ball valve has its anti-static device, which provides protection against potentially dangerous electrostatic discharges.

Long life seats, large stem sealing area as well as the substantial middle flanges and the molded liner take care for a leak and trouble free valve and minimizes downtime and maintenance.

Due to the actuator mounting flanges design according to DIN EN ISO 5211, pneumatic, electric or hydraulic actuators can easily be fitted.

A wide range of liner material can be selected from FEP, PFA, Tefzel, PP, PVDF as well as conductive PFA.

*Also available with a V-port ball for precise modulating control service or with C-ball available.

Materials List					
No.	Description	Material	No.	Description	Material
010	body	ductile cast iron with PFA (EN-JS1049/ ASTM A395)	080	stud bolt / hexagon bolt	stainless steel (1.4301-K70/ ASTM A193 B8)
020	side piece	ductile cast iron with PFA (EN-JS1049/ ASTM A395)	090	hexagon nut	stainless steel (1.4301-K70)
030	seat ring	PTFE	100	packing material (chevron)	PTFE / PTFE - graphite °
040	stem	stainless steel (1.4470) with PFA**	110	hexagon nut	stainless steel (1.4301/ ASTM A194 8)
050	ball	[size ½"-2"]= Alloy steel (1.2343) with PFA	120	stud bolt	stainless steel (1.4301/ ASTM A193 B8)
		[size 3"-14"]= ductile cast iron with PFA	130	lock washer	stainless steel (1.4301/ AISI 304)
		(EN-JS1049/ ASTM A395)	140	hexagon bolt	stainless steel (1.4301/ ASTM A193 B8)
060	gland follower	stainless steel - 1.4308	150	serrated lock washer	stainless steel (1.4301/ AISI 304)
065	gland insert	PTFE-graphite	170	grounding device	stainless steel (1.4310 / AISI 304)
070	hand lever	[size ½"-2"]= die cast metal (EN 12844)	210	stop	[size ½"-4"]= steel (galvanized)
		[size 3"-4"]= ductile iron (EN-GJS-50-7)			[size 6"-8"]= stainless steel (1.4704/ AISI 430F)
		[size 6"-8"]= steel (1.0037/ DIN EN 10025-2)	220	hexagon bolt	stainless steel (1.4301/ ASTM A193 B8)

** Hastelloy stem on request

° optional

Dimensions - mm.									
SIZE	ANSI	L	H	R	t	Ød	Weight (kg)	Alpha Code	Stock Item
½" **	150#	130	120	160	59.5	15	4.3	V24E150001	✓
¾" **	150#	150	120	160	69.5	20	4.6	V24E150002	✓
1"	150#	152	123	160	65.5	25	5.0	V24E150003	✓
1½"	150#	178	145	210	80	38	8.4	V24E150004	
2"	150#	203	160	210	87.5	48	12.8	V24E150005	
3"	150#	241	205	313	118	80	29.1	V24E150007	
4"	150#	292	220	313	140	100	43.5	V24E150008	

** Face-to-Face Dimensions acc. to DIN EN 558 (basic series 1)

Available in size ½" through 14"