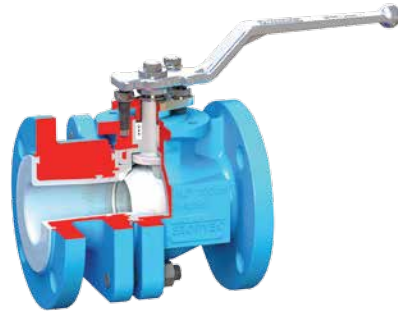


Flange Connections

ANSI B 16.5, 150lbs

The AKH3 is an ANSI B16.10 short pattern, 150 lbs., reduced port, lined ball valve with a minimum cavity space. The floating ball design ensures bubble-tight shut-off across the pressure range of 1 mbar to 19 bar. Long term protection against external leakage to atmosphere is provided by PTFE chevron packing rings in a deep stuffing box, the substantial body flanges and the moulded liner seal. An anti static device provides protection against potentially dangerous electrostatic discharge and the anti blow-out safety stem design eliminates the possibility of a blow-out

Also available as V-port ball valve for precise modulating control services and various liner materials incl. conductive PFA.



Materials List

No.	Description	Material	No.	Description	Material
010	body	ductile cast iron with PFA (EN-JS1049/ ASTM A395)	080	stud 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/ ASTM A194 8)
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 1"-3"]= Alloy steel (1.2343) with PFA [size 4"-14"]= ductile cast iron with PFA (EN-JS1049/ ASTM A395)	120	stud bolt	stainless steel (1.4301/ ASTM A193 B8)
			130	lock washer	stainless steel (1.4301/ AISI 304)
			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 301)
070	hand lever	[size 1"-3"]= die cast metal (EN 12844) [size 4"-6"]= ductile iron (EN-GJS-50-7) [size 8"-12"]= steel (1.0037/ DIN EN 10025-2)	210	stop	[size 1"-3"]= steel (galvanized) [size 4"-12"]= stainless steel (1.4704/ AISI 430F)
			220	hexagon bolt°°	stainless steel (1.4301/ ASTM A193 B8)

** Hastelloy stem on request

° optional

°°DN 8" and 10" tow exemplar

Dimensions - mm.

SIZE	ANSI	L	H	R	t	Ød	Weight (kg)	Alpha Code	Stock Item
1"	150#	127	120	160	56	20	4.4	V24E150043	✓
1½"	150#	165	120	160	77.5	24	6.2	V24E150044	✓
2"	150#	178	145	210	78.5	38	10.6	V24E150045	✓
3"	150#	203	160	210	94	48	16.1	V24E150047	✓
4"	150#	229	205	313	105	80	30.2	V24E150048	✓
6"	150#	267	220	313	134	100	50.2	V24E150049	
8"	150#	292	312	337°°	129	147	106.6	V24E150050	
10"	150#	330	373	450°	155	195	173.7	V24E150051	
12"	150#	356	363	450°	176.5	195	237.0	V24E150052	
14"*	150#	381	--	--	190.5	245	320.0	V24E150053	

°° pass-through handlever Ø 674 mm standard

° pass-through handlever Ø 900 mm standard

* ball valve only with manual actuator (weight without actuator)