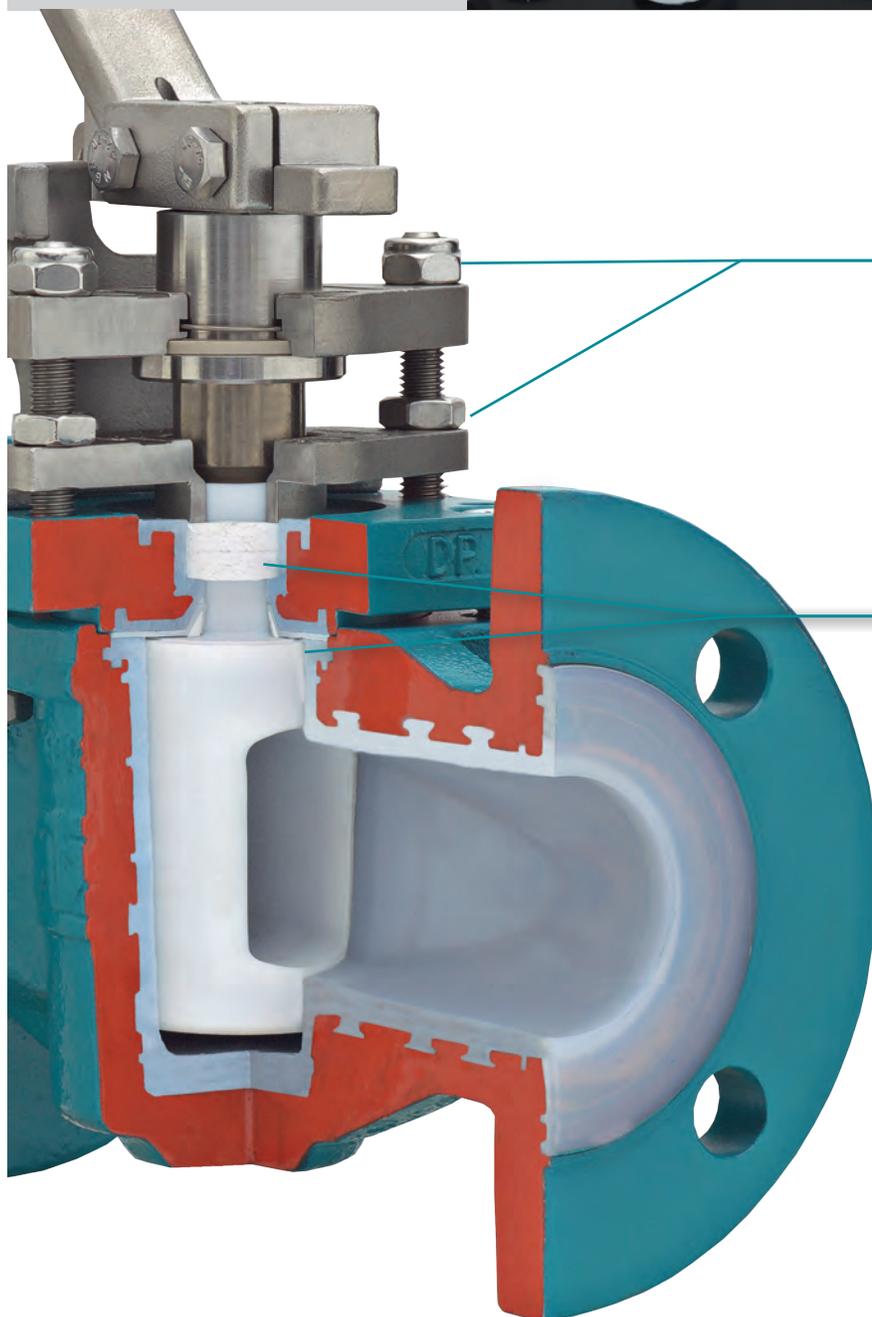


# AZ lined plug valves

## Design overview and options

### chemically resistant lining

- minimum 3mm FEP/PFA lining
- anchorage of lining in body
- vacuum-capable



### Type SAFE-LINED

for chemical applications with increased requirements

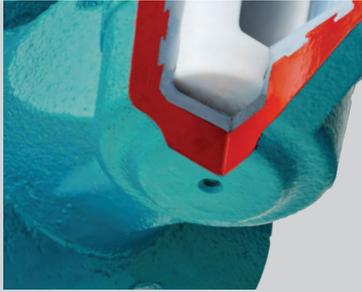
#### adjustable

- plug and stuffing box individually adjustable
- permanent accessibility guaranteed, also with mounted actuator / gearbox
- adjustable even under extreme operating conditions

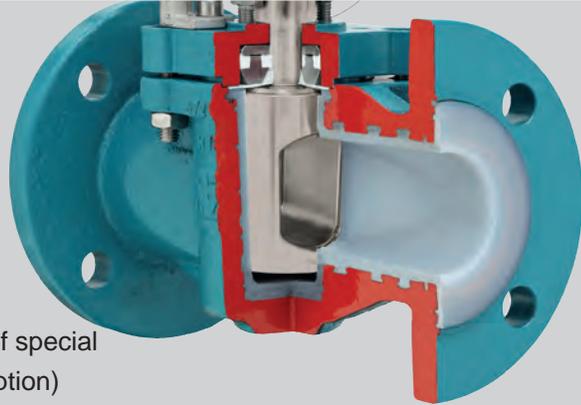
#### Improved sealing

- cover fully PFA lined
- triple safety stem packing

*engineered.  
fast.  
dynamic.*



- weep holes for early leakage detection



- plug made of special materials (option)

#### Type ISO-STANDARD-A

- suitable for general chemical applications



#### Type ISO-AB2000

- lined plug valve with exchangeable PTFE sleeve
- easy to repair



- large range of plug types for horizontal and vertical 3-way lined plug valves

- heating jacket (full or partial jacket design)(option)(Option)

- two-way plug with flushing device (option)



# Type ISO-AB 2000

## Lined plug valve with PTFE sleeve



- exchangeable PTFE sleeve
- reduced torque
- higher temperature resistance

DN 15 - 300 / PN 16 - 40

NPS ½ - 12 / class 150 - 300

Range of application:

14 < T < 302/410°F

vacuum-capable

### Design characteristics

- free of cavities
- chemical-resistance
- easy accessible adjustment of the plug
- mounting-flange for actuators acc. to ISO 5211
- body: Ductile Iron 5.3103, ASTM A395 or Carbon Steel 1.0619, ASTM A216 WCB

### Options

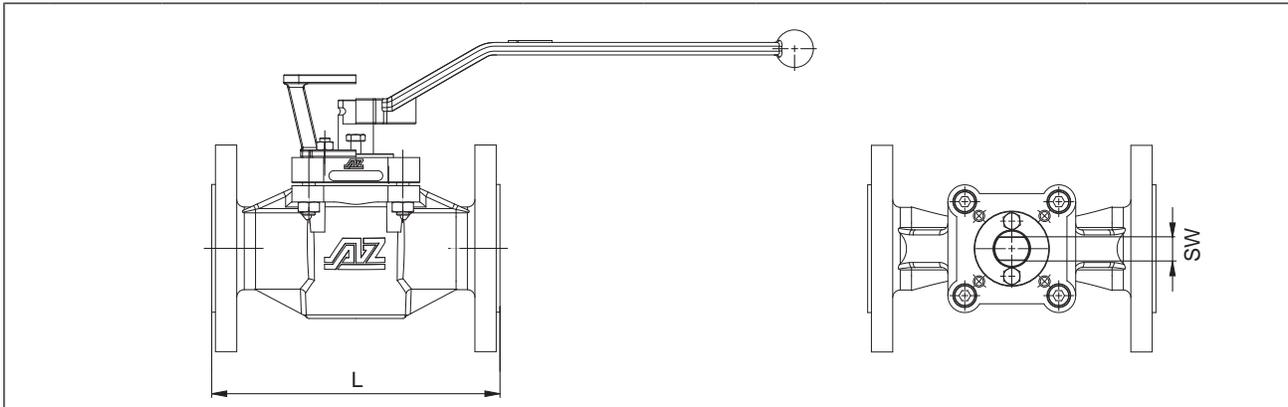
- higher operating pressure
- heating jacket
- flushing device
- FDA compliant
- painting
- oil and grease-free assembly
- oversize design
- other materials



PT diagram, plug types, sealing systems, material selection: see catalog part ENGINEERING

# Type ISO-AB 2000

## Technical information NPS ½ - 12



NPS	Class	L		ISO 5211 bracket	SW		torque* [Nm] [ft lb]	weigh [kg] [lb]	K <sub>vs</sub> value [m³/h]	C <sub>v</sub> value [US.gal/min]
		[mm]	[Inch]		[mm]	[Inch]				
½	150	130	F05	11	40	3,8	8	9		
		5.12	0.533	30	8.4					
1	150	160	F07	14	60	6,5	33	38		
		6.30	0.551	44	14					
1½	150	200	F07	14	80	10	87	101		
		7.87	0.551	59	22					
2	150	230	F07	19	120	12	140	162		
		9.06	0.748	192	26					
3	150	310	F10	22	260	20	259	299		
		12.20	0.866	192	44					
4	150	350	F10	22	260	30	209	242		
		13.78	0.866	192	66					
4S	150	325	F16	36	350	32	492	587		
		12.80	1.417	258	70					
6	150	350	F16	36	900	85	789	912		
		13.78	1.417	664	187					
8	150	400	F16	36	**	119	1776	2053		
		15.75	1.417	262						
10	150	450	F16	36	**	195	2257	2609		
		17.72	1.417	430						
12	150	500	F16	36	**	253	1877	2170		
		19.69	1.417	558						

ISO flange instructions, weights and K<sub>vs</sub> values for 2-way valves

\*) Manufacturer recommended sizing torque (incl. 100% safety)

\*\*) on request

Some designs, sizes and/or configurations may be fitted with threaded flange holes.