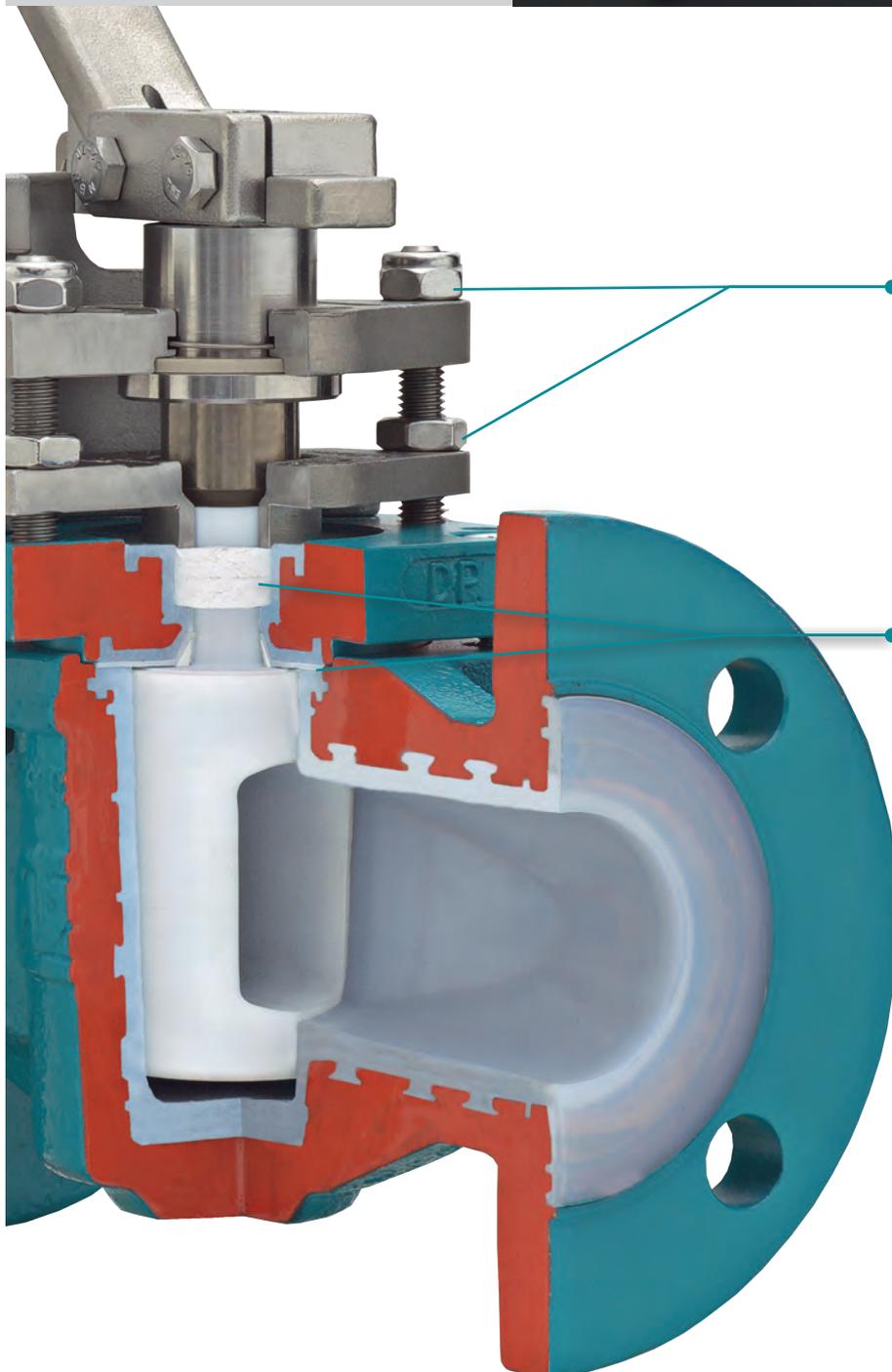


AZ lined plug valves

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

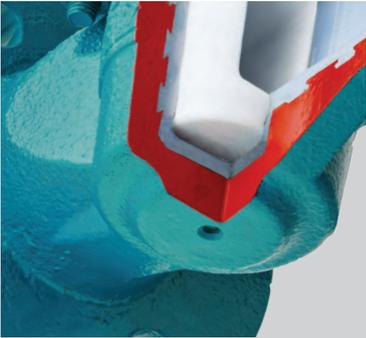
adjustable

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

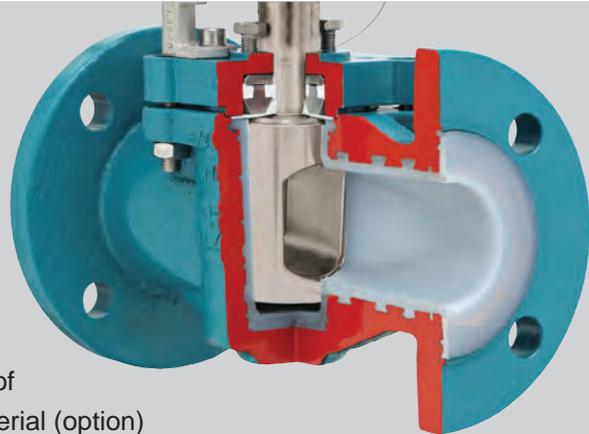
Improved sealing

- cover fully PFA lined
- triple safety stem packing

*engineered.
fast.
dynamic.*



- weep holes for early leakage detection



- plug made of special material (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 design (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:

-10 < T < 125/150/210°C

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

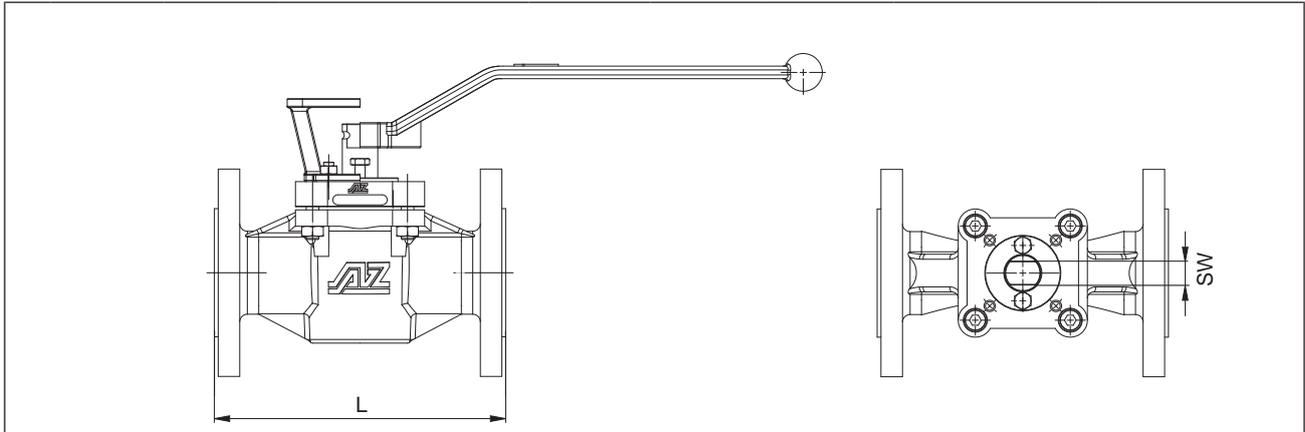
- higher operating pressure
- heating jacket
- flushing device
- FDA compliant
- painting
- oil and grease-free assembly
- oversize design
- other materials



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

Type AB 2000

Technical information DN 15 - 300 / NPS ½ - 12



DIN EN 1092-1 / 588	DN	PN	L [mm]	ISO 5211 bracket	SW [mm]	torque.* [Nm]	weight [kg]	K _{vs} value [m ³ /h]	C _v value [US.gal/min]
	15	10-40	130	F07	11	40	3,8	7	8
	25	10-40	160	F07	14	60	6,5	33	38
	40	10-40	200	F07	14	80	10	80	92
	50	10-40	230	F07	19	120	12	127	147
	80	10-40	310	F10	22	260	20	247	285
	100	10-40	350	F10	22	260	30	203	235
	100S	10-40	325	F16	36	350	32	447	517
	150	10-16	350	F16	36	900	85	823	951
	200	10-16	400	F16	36	**	119	1728	1997
250	10-16	450	F16	36	**	195	2053	2373	
300	10-16	500	F16	36	**	253	1707	1974	
ASME B16.5 / 16.10	NPS	Class	L [mm]	ISO 5211 bracket	SW [mm]	torque.* [Nm]	weight [kg]	K _{vs} value [m ³ /h]	C _v value [US.gal/min]
	½	150	130	F07	11	40	3,8	8	9
	1	150	160	F07	14	60	6,5	33	38
	1½	150	200	F07	14	80	10	87	101
	2	150	230	F07	19	120	12	140	162
	3	150	310	F10	22	260	20	259	299
	4	150	350	F10	22	260	30	209	242
	4S	150	325	F16	36	350	32	492	587
	6	150	350	F16	36	900	85	789	912
	8	150	400	F16	36	**	119	1776	2053
	10	150	450	F16	36	**	195	2257	2609
	12	300	500	F16	36	**	253	1877	2170

ISO flange instructions, weights and K_{vs} values for 2-way valves

*) Breakaway torques for type F-3-W on request

**) on request

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