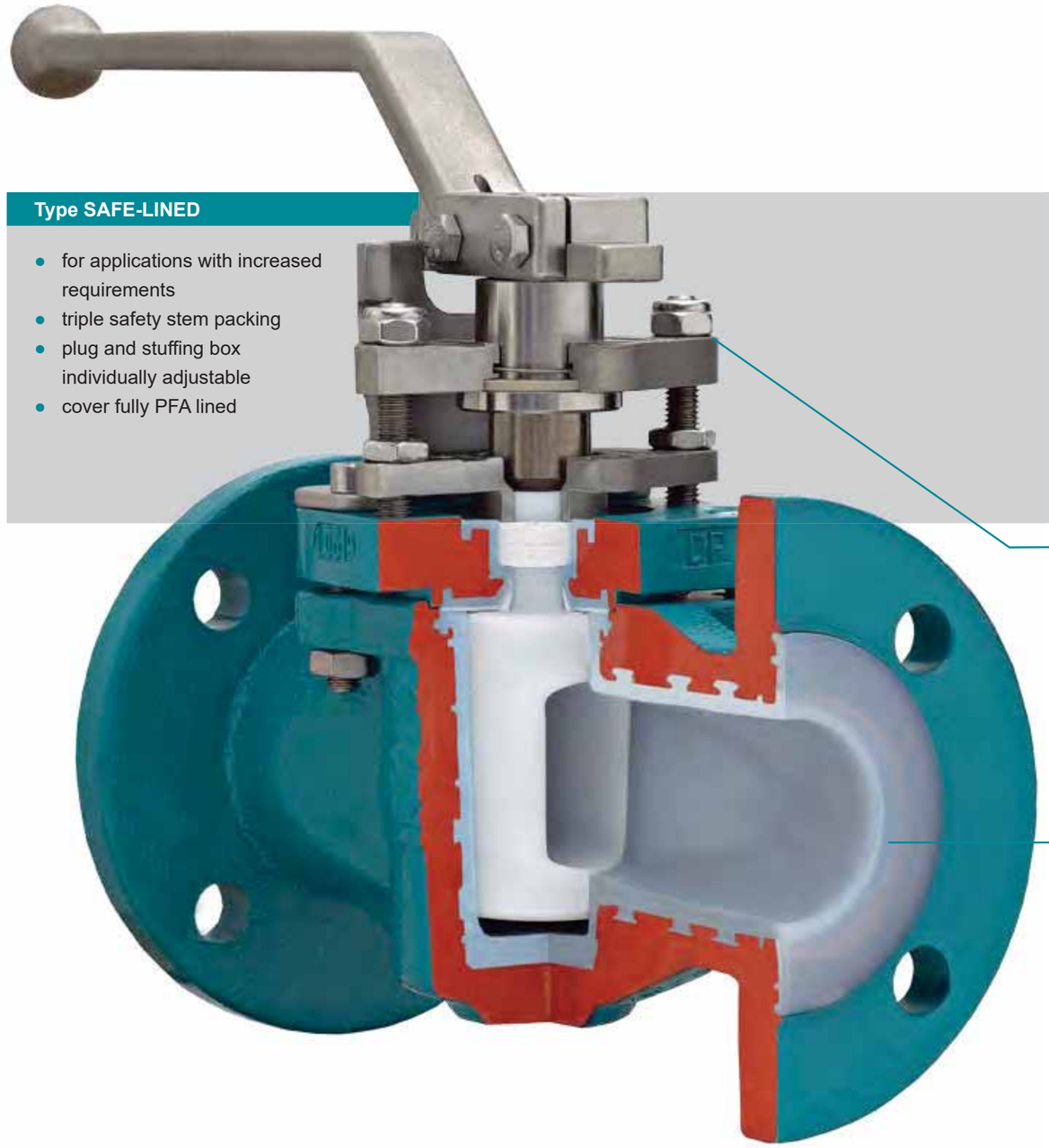
AZ lined plug valves, free of cavities suitable for toxic and aggressive chemicals



Type SAFE-LINED

- for applications with increased requirements
- triple safety stem packing
- plug and stuffing box individually adjustable
- cover fully PFA lined

adjustable

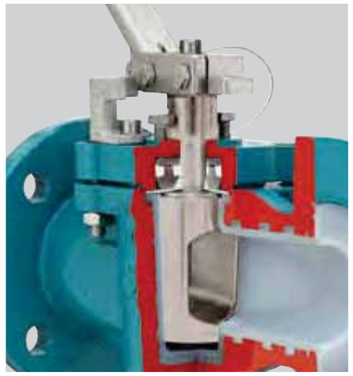
- permanent accessibility guaranteed
- adjustable also with mounted actuator / gearbox
- adjustable even under extreme operating conditions

multi-way

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

safe lining

- chemically resistant
- minimum 3mm FEP/PFA lining
- anchorage of lining in body
- vacuum-capable
- weep holes for early leakage detection
- plug made of special materials (option)



other types

Type ISO-STANDARD-A

- lined plug valve with chemical sealing
- suitable for general applications

Type ISO-AB2000

- lined plug valve with exchangeable PTFE sleeve
- easy exchange

Standard materials

- Body: Carbon Steel 1.0619, ASTM A216 WCB
- Plug: Stainless Steel 1.4308, ASTM A341 CF8

Additional equipment

- two-way plug with flushing device
- heating jacket (full or partial jacket design)

Type ISO-AB 2000

Lined plug valve with PTFE sleeve

- **exchangeable PTFE sleeve**
- **easy exchangee**

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

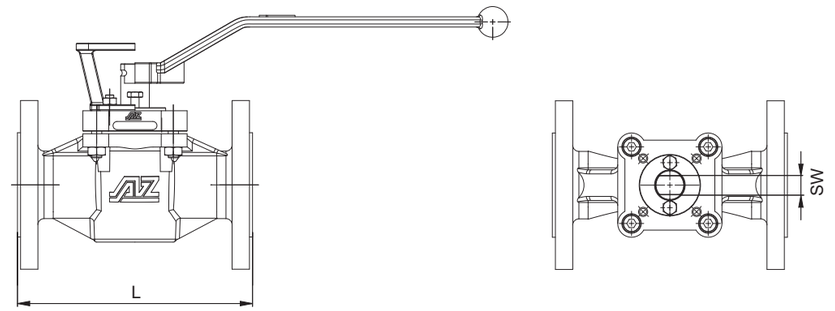
- higher temperature resistance up to 210°C
- reduced actuating torque
- low torque easy turning
- chemical-resistannce
- easy accessible adjustment of the plug
- low emission rate acc. to TA-Luft
- mounting-flange for actuators acc. to ISO 5211
- free of cavities

Options

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

Type AB 2000

Technical information DN 15 - 300 / NPS ½ - 12



	DN	PN	L [mm]	ISO 5211 bracket	SW [mm]	torque.* [Nm]	weight [kg]	K_{VS} value [m³/h]	C_V value [US.gal/min]
EN 1092-1 / 588	15	10-40	130	F05	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
	NPS	**Class**	**L [mm]**	**ISO 5211 bracket**	**SW [mm]**	**torque.* [Nm]**	**weight [kg]**	**K_{VS} value [m³/h]**	**C_V value [US.gal/min]**
ASME B16.5 / 16.10	½	150	130	F05	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 straight-way valves

*) Maximum breakaway torque Md $_{breakaway<}$ [Nm] for F-2 and F-3-S depending on material combinations (PFA+PFA / PFA+ PTFE). All data incl. 100% safety factor. Breakaway torques for type F-3-W on request

**) on request

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

Order example:: F-2-AB2000-50-PN16-EN-GJS-400-18-LT-PFA

F = flange, 2 = two-way, AB2000 = type, 50 = nominal size, PN16 = nominal pressure, EN-GJS-400-18 = body material, PFA = lining material for body and plug