

## AB 2000

**Plug valve with chemical-resistant, vacuum-proof lining, with exchangeable PTFE- Sleeve with ISO top flange**

DIN-EN: DN 15 - 300 / PN 10 - 40

ASME: NPS ½" - 12" / class 150 - 300

PT range:  $-30 < T < 210^{\circ}\text{C}$ , vacuum tight



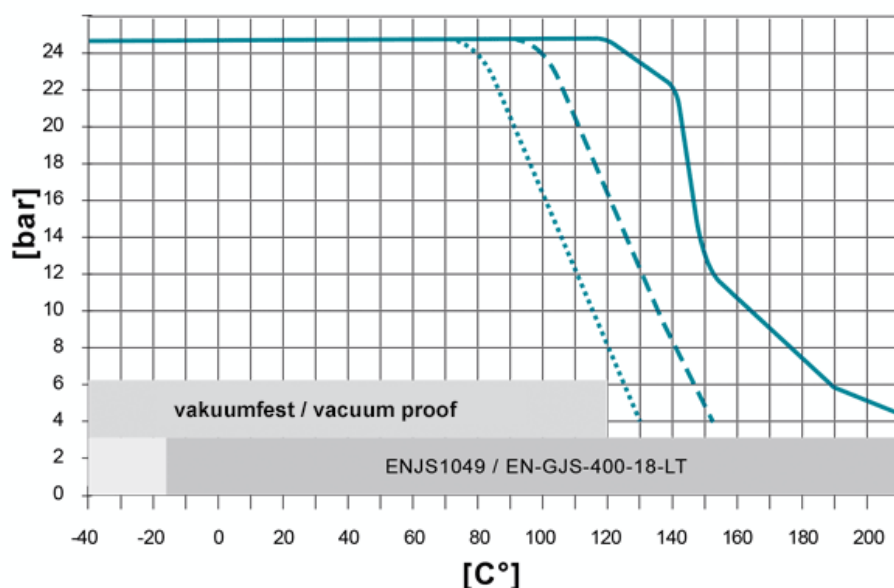
### Design Features

#### Design Characteristics

- with exchangeable PTFE sleeve
- easy on-site repairing possible
- reduced operating torque
- economic automation
- free of cavities
- maintenance free - self lubricating
- mounting-flange for actuators acc. to DIN ISO 5211
- easy accessible adjustment of the plug, even with mounted actuator
- with chemical resistant lining - thickness min. 3 mm vacuum tight
- fugitive emission resp. clean air act certified (TA - Luft 2002 approval)
- Directive 2014/68/EU
- FDA conformity




## PT-Diagramm

General Pressure-Temperature-Diagram



Lining materials		Tmax
Body	Plug	
PFA	PTFE	210°C
PFA/FEP	PFA	150°C
PFA	Special material	210°C
PFA cond.	PFA conductive	125°C

**Standard lining materials::**  
PFA (body) and PTFE (plug)

Lining materials Body / Plug	
	PFA or FEP / PTFE
	PFA / PFA
	PFA / FEP

The specified values depend on the respective application (medium). Operating temperatures under -20°C only with body material 1.4408 or low-temperature steel. High pressure resistance / temperature resistance on request, e.g. PN 40. Sleeve: There are different sleeve materials / compounds available.

## Materials

### Standard body materials

- Ductile cast iron ENJS 1049, ASTM Gr 60-40-18 / A395 **Standard plug materials**

- Stainless Steel 1.4308, ASTM A351 CF8

- Ductile cast iron ENJS 1049, ASTM Gr 60-40-18 / A395 **Special materials**

- Carbon Steel 1.0619, ASTM A216 WCB

- Stainless Steel 1.4408, ASTM A351 CF8M

- Unalloyed stainless steel casting (low Temp.) 1.1138, LCC/LCB/A352 **Lining materials**

- Body: PFA, PFA-conductive, FEP

- Plug: PTFE, PFA, PFA-conductive, FEP

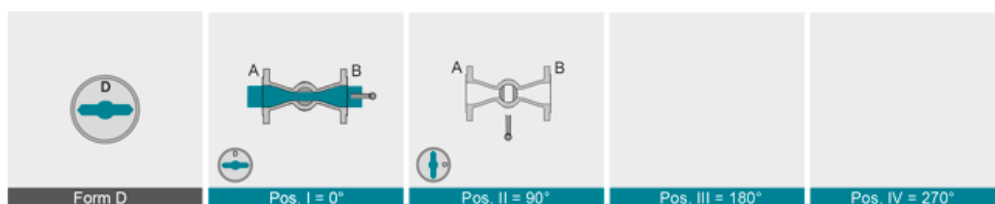
## Sealing Systems

Chemical sealing to prevent fugitive emission of aggressive and toxic media with PTFE packing for additional stem sealing;  $T_{max}$  230°C

### Type CA

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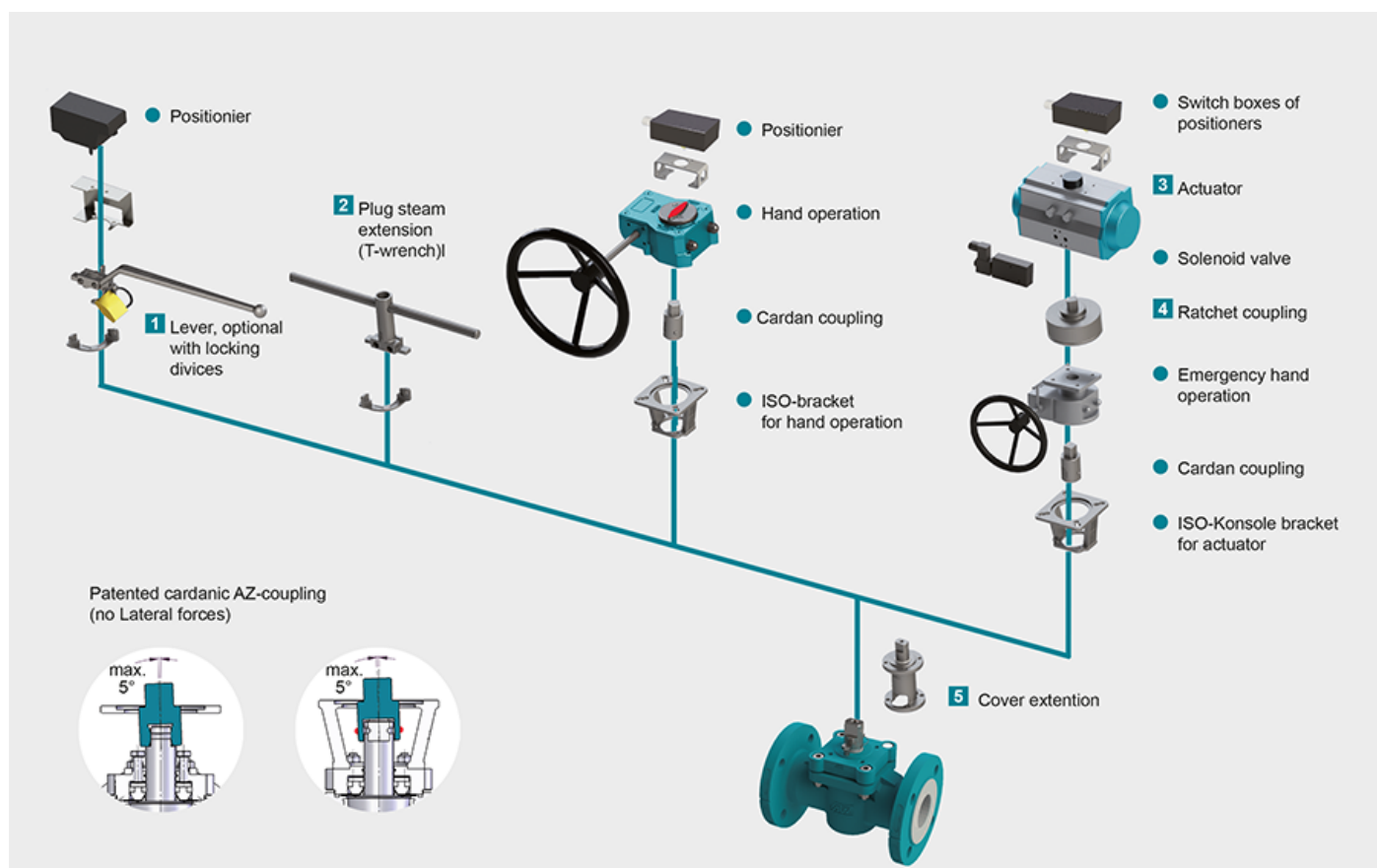
## Port Forms



## Dimensions

on request

## Actuation



### 1 Locking Devices

Pilot valve combinations, pad lock eyelets, linear key conception, indexing plunger arrestor.

### [read more \[...\]](#) 2 Plug stem extension

Solid construction in stainless steel with T-wrench, Standard extension 100 mm or 150 mm, non standard lengths are available on request

### [read more \[...\]](#) 3 Actuators

Actuators for mounting-flange acc. to DIN ISO 5211

[read more \[...\]](#) NEW: Pneumatic actuator AIR GEAR for plug valves with high torque =150.000 Nm

[read more \[...\]](#) **4 Ratched coupling**

To use on multiport valves with standard 90° actuator for bigger switchpositions than 90°

[read more \[...\]](#) **5 Cover extension**

Solid construction in stainless steel, Standard extension 100 mm or 150 mm high, non standard lengths are available on request . Hexagonal bolts on adjustment ring freely accessible. Note: Don't use with sealing FSN/FSN-SL and CASN/CASN-SL

[read more \[...\]](#)