ISO-STANDARD A CA

Plug valve with chemical-resistant, vacuum-proof lining, with ISO top flange, sealing system Type CA

DIN-EN: DN 15 - 600 / PN 10 - 40 ASME: NPS $\frac{1}{2}$ " - 24" / class 150 - 300 PT range: -30 < T < 210°C, vacuum tight



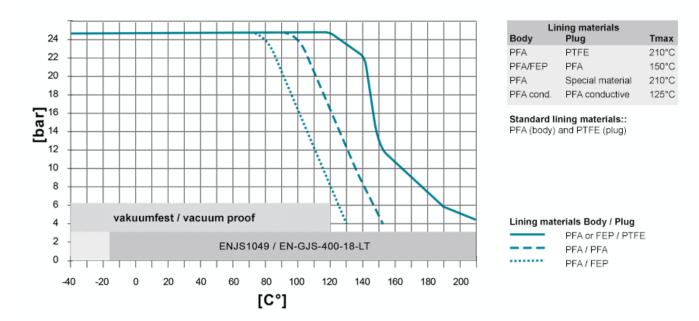
Design Features

Design Characteristics

- 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
- fugitive emmission resp. clean air act certified (TA Luft 2002 approval)
- Directive 2014/68/EU
- FDA conformity

PT-Diagramm

General Pressure-Temperature-Diagram



The specified values depend on the respective application (medium). Operating temperatures under -20°C only with body material 1.4408 or low-temperature steel. Hight 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; $T_{\mbox{\tiny max}}$ 230°C

Type CA

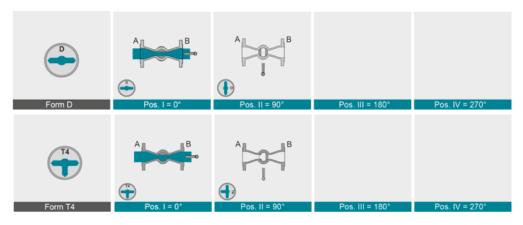
read more [...]

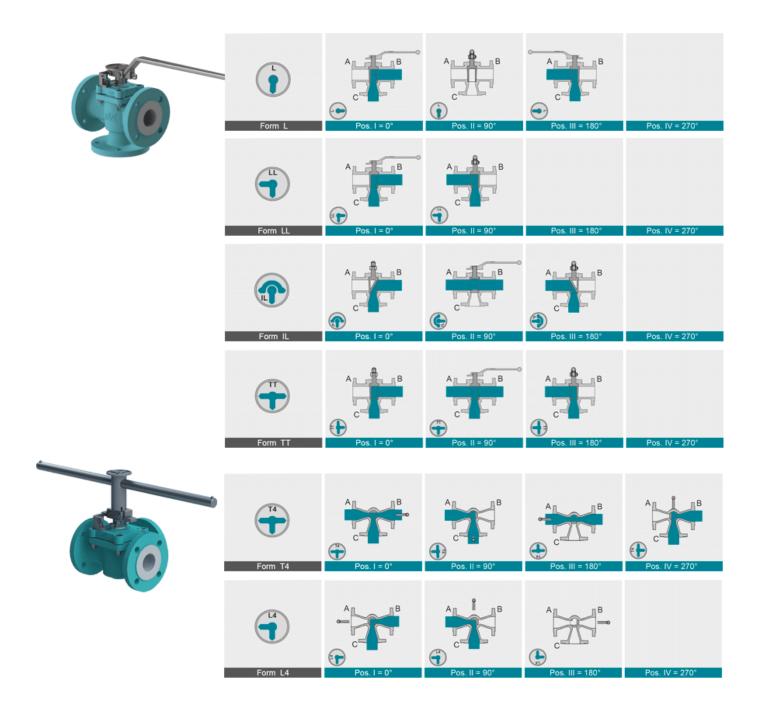
Port Forms



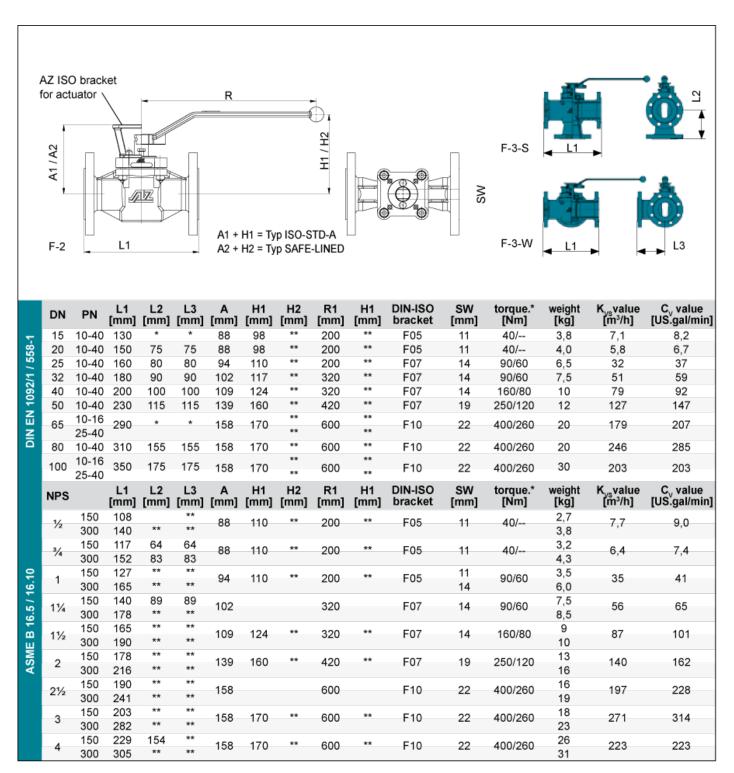
AZ plug valves are fitted with cast, rust proof position indicators. The position indicator is securely welded to the lever to prevent it from working loose.







Dimensions

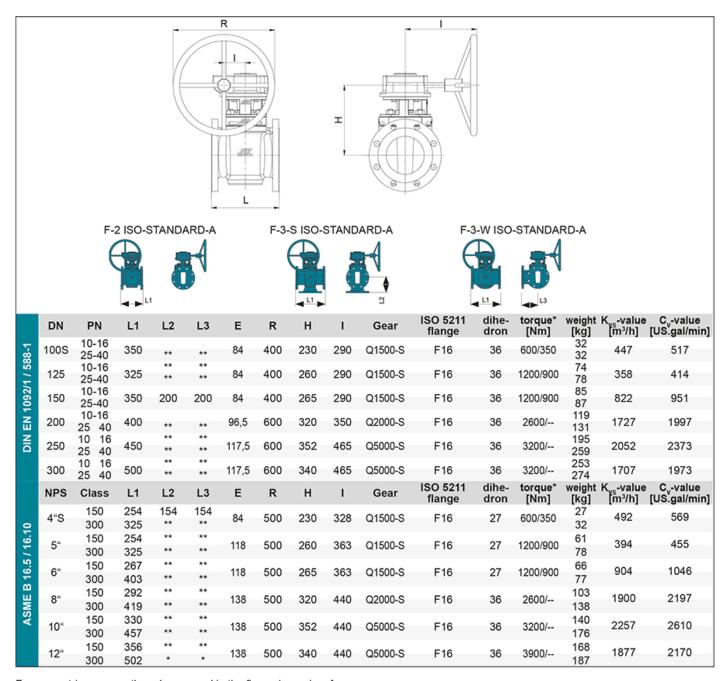


ISO flange instructions, weights and KVS values for straight-way valves

**) on request

Due to geometric reasons partly threaded holes in flange drilling

^{*)} Maximum breakaway torque Md breakawa< [Nm] for F-2 and F-3-S ISO standard A depending on material combinations (PFA+PFA / PFA+PT-FE). All data incl. 100% safety factor Breakaway torques for valves - types F-4 and F-3-W on request



For geometric reasons, threads are used in the flange bores in a few cases

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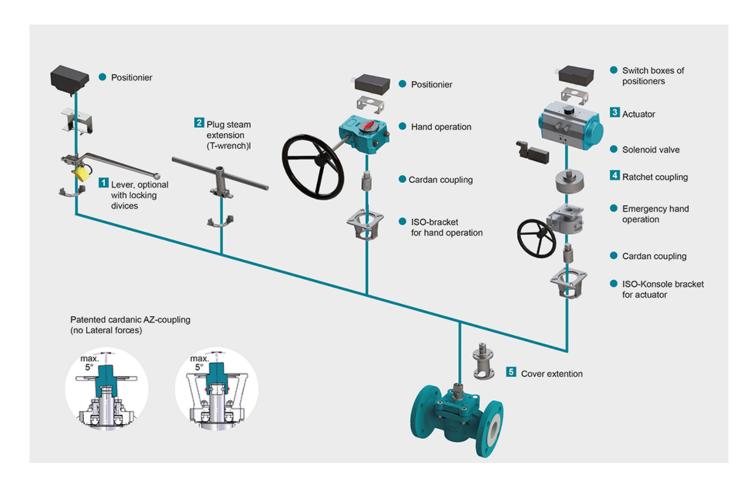
*) Maxium breakaway torque MD breakaway [Nm] for F2 and F3S ISO STANDARD A depending on material combinations (PFA+PFA / PFA+PTFE). All data incl. 100% safety factor. Breakaway torques for valves – tapes F-4 and F3W on request

ISO flange instructions, weights and Kvs values for straight-way valves

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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 usw 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 [...]