MG

Screwed plug valve

Cast design, thread size ½" - 3"



Design Features

Design Characteristics

- available with female and male threads
- 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
- vacuum tight
- fugitive emmission resp. clean air act certified (TA Luft 2002 approval)
- Directive 2014/68/EU
- fire safe design API 607 / ISO 10497
- FDA conformity

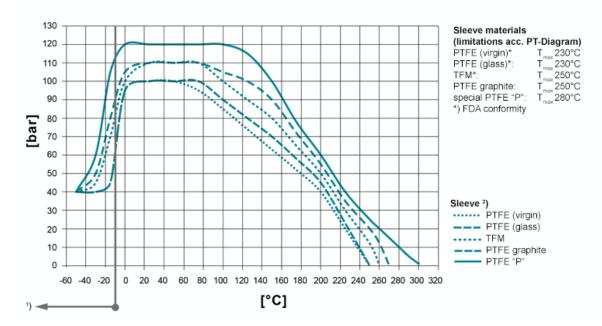
standard connections:

- tapered Whitworth pipe thread DIN 2999
- Whitworth pipe thread DIN ISO 228
- NPT pipe thread ANSI B 1.20.1

BSP British standard pipe thread

PT-Diagram

General Pressure-Temperature-Diagram



Operating temperatures < -30°C and > 220 °C have to be checked and approved by AZ according to the operating conditions.

Besides the P/T value of the sleeve the limitations of the valve bodies also have to be considered. Please refer to the EN 12516-1 resp. ASME B16.34 in order to choose a proper pressure rating (PN/class). The shown values refer to austenitic stainless steel 1.4408 (A351 Gr. CF8M).

- 1) For operating temperatures below -10°C low temperature / austenitic steels are required.
- 2) Sleeve: There are different sleeve materials / compounds available.

Materials

Standard body materials

- Carbon Steel 1.0619, ASTM A216 WCB
- Stainless Steel 1.4408, ASTM A351 CF8M
- Stainless Steel 1.4308, ASTM A351 CF8
- Unalloyed stainless steel casting (low Temp.) 1.1138, LCC/LCB/A352

Standard plug materials

Stainless Steel 1.4408, ASTM A351 CF8M

• Stainless Steel 1.4308, ASTM A351 CF8

Special materials

- Alloy
- Monel
- Nickel
- Zirconium
- Titan
- Tantal
- · other materials on request

Sealing Systems

Standard sealing for all major applications; Tmax 230°C

Type STD

read more [...]

Firesafe sealing (API 607) with graphite packing for additional stem sealing; Tmax 230°C

Type FS

read more [...]

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

Type CA

read more [...]

Firesafe safety sealing (API 607) for fluctuating temperatures

with 3x graphite packing (adjustable) for additional stem sealing; Tmax 280°C

Type FSN

read more [...]

Firesafe safety sealing (API 607) for fluctuating temperatures with 3x graphite packing (live loaded disc springs) for additional stem sealing; Tmax 280°C

Type FSN-SL

read more [...]

Chemical safety sealing for fluctuating temperatures with 3x PTFE packing (adjustment) for additional stem sealing;

Tmax 230°C

Type CASN

read more [...]

Chemical safety sealing for fluctuation temperatures with 3x PTFE packing (live loaded disc springs) for additional stem sealing; Tmax 230°C

Type CASN-SL

read more [...]

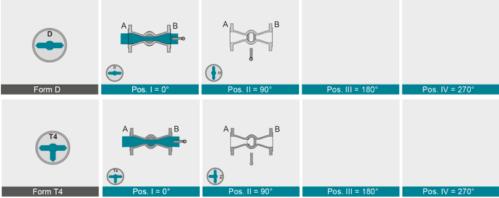
Port Forms

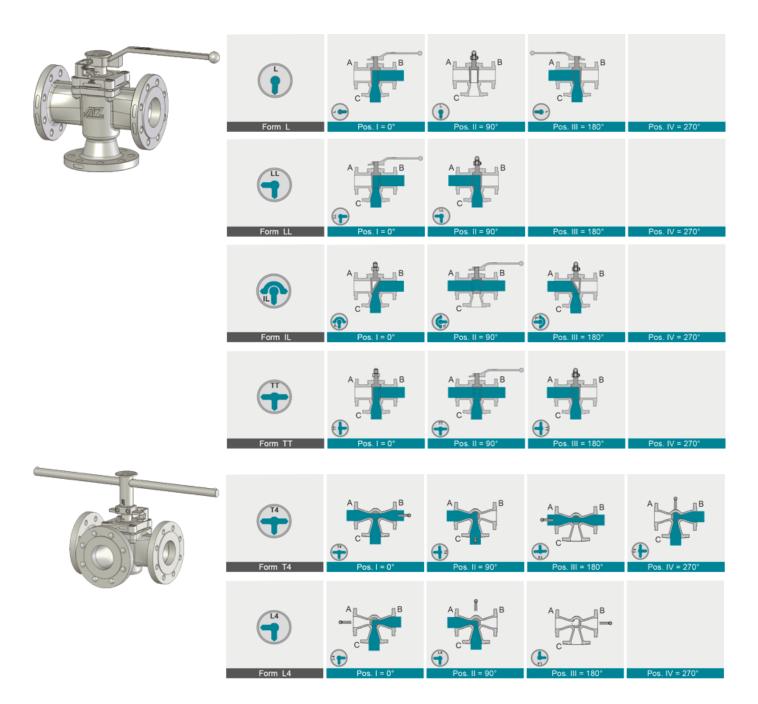


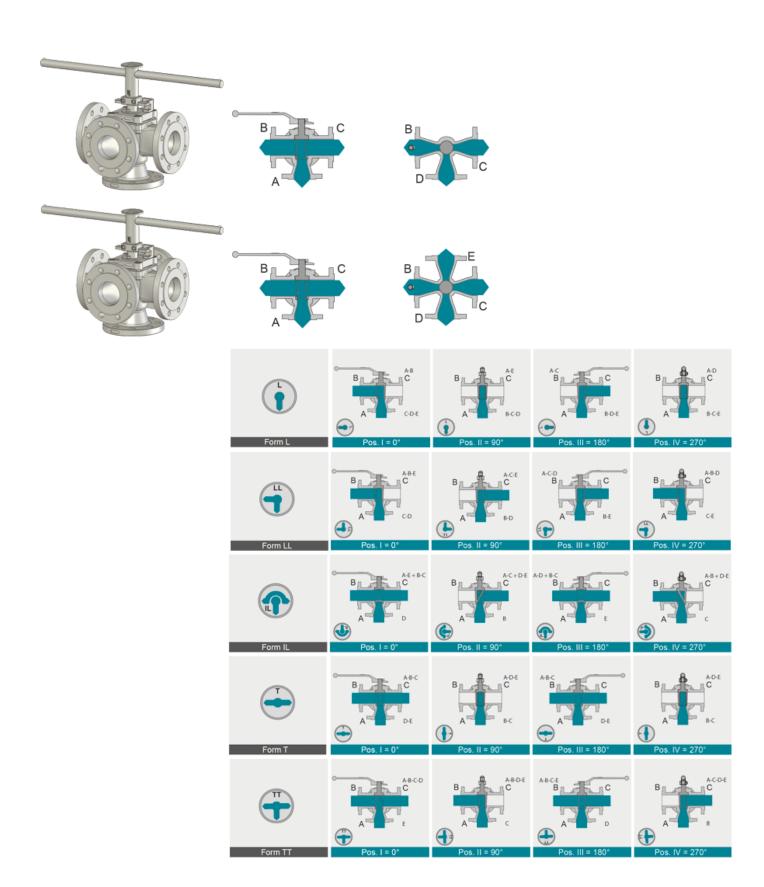
AZ plug valves are fitted with cast, rust proof position indicators.

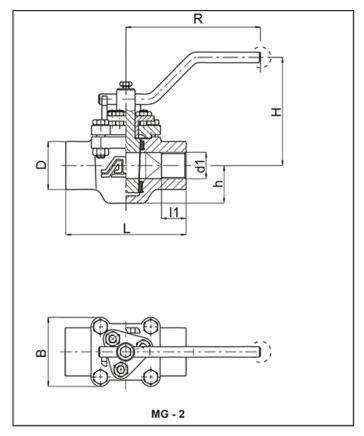
The position indicator is securely welded to the lever to prevent it from working loose.

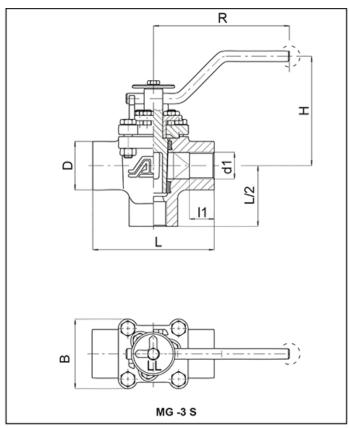


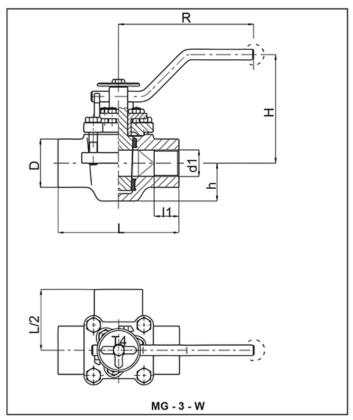


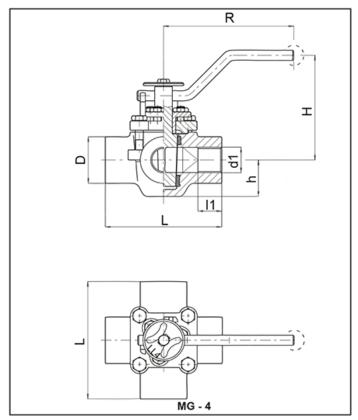


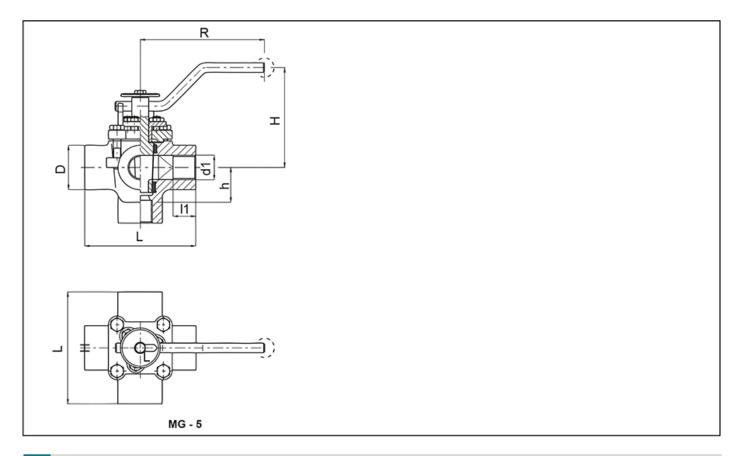












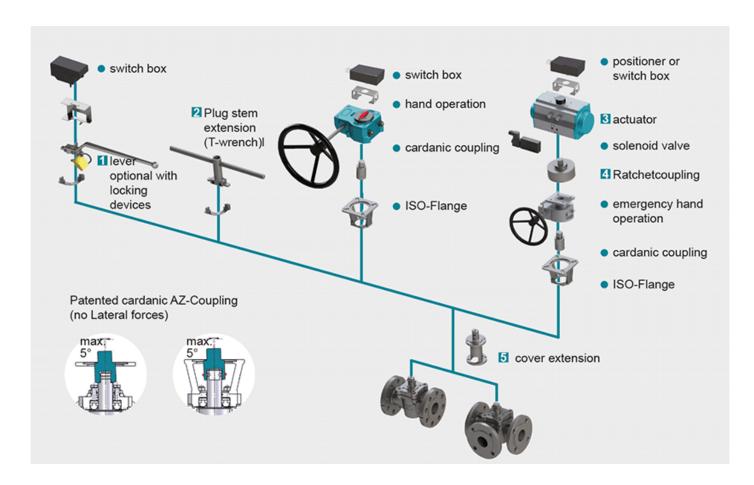
MG	d1	I1	L	L/2	D	h	В	R	Н
	1/2"	22	115/165*	57,5	46	36	66	200	110
	3/4"	22	115/165*	57,5	46	36	66	200	110
	1"	22	115/165*	57,5	46	36	66	200	110
	11/4"	22	150	75	60	44	84	320	125
	11/2"	22	150	75	60	44	84	320	125
	2"	23	180	90	78	55	102	420	150
	21/2"	24	180	90	90	66	102	420	150
	3"	24	220	110	105	86	124	600	165

^{*)} only for tow way valves M2, enlarge

size on request

up to R 1" lever with ball

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 [...]