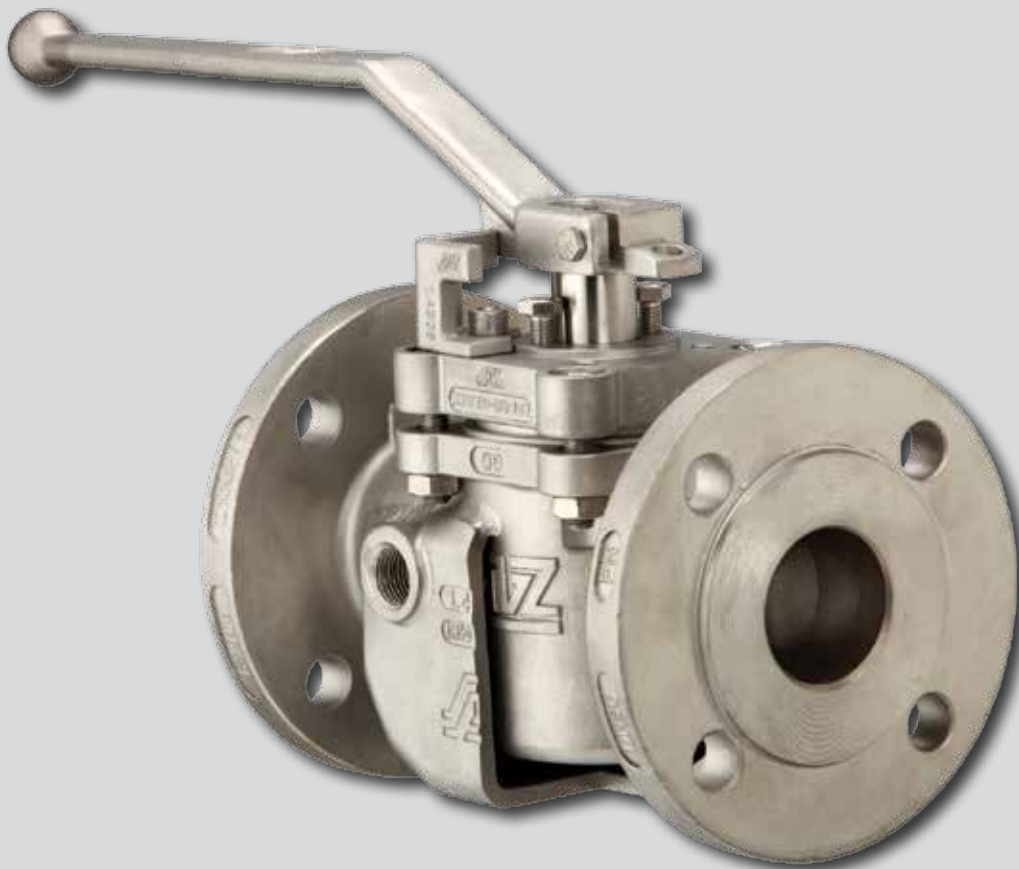


TYPE TM

Heating jacket valve (cast design)

DN 15 - 600 / PN 10 - 100

NPS ½" - 24" / class 150 - 600

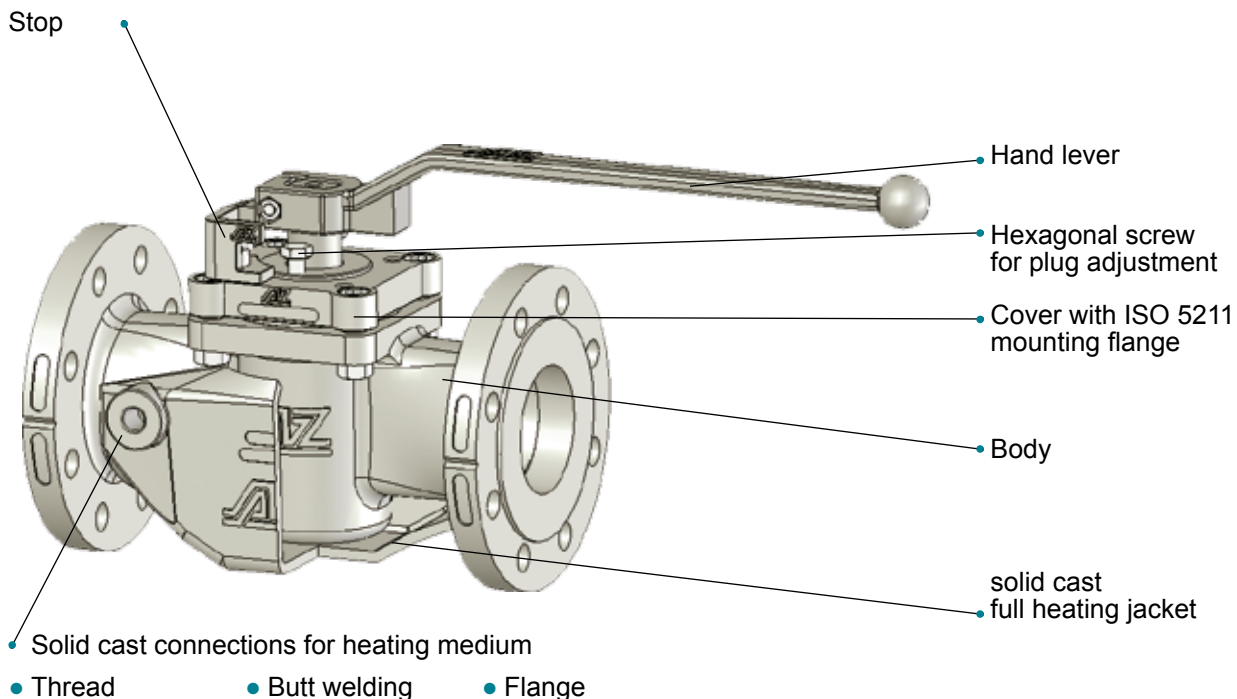


1.6

- Free of cavity and maintenance
- Tight chambering of the PTFE - sleeve
- Heating from flange to flange
- Solid cast heating jacket
- Solid cast connections for heating medium
- Bespoke heating jacket connections
- OVERSIZE - version (optional)
- Face-to-face dimensions according to DIN and ASME

TYPE TM

Design characteristics



Advantages and structure of the AZ plug valves with heating jacket (cast version)

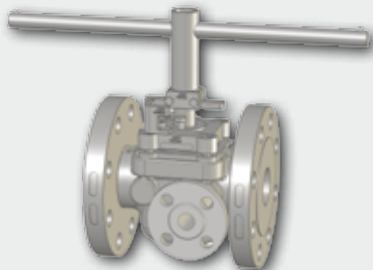
(Also see brochure "Technical Comparison" 1.0):

- **Cavity free**
PTFE sleeve encloses the entire plug.
- **Maintenance-free**
Broad contact area sealing strips ensure robust continuous operation.
- **Self-lubricating**
No seizing of the valve plug. Even after a longer standstill period switchable thanks to anti-adhesive PTFE sleeve without damaging the plug.
- **Tight chambering of all PTFE parts**
No cold-flow. Expansion chambers accommodate volume enlargement due to temperature increase.
- **Non-twisting PTFE sleeve**
Collar-shaped ribs around the passages. Stripping effects for media with solid fractions.
- **No stuffing box**
Sealing sleeve on the plug perimeter. No movement of the plug sealing surface. Additional seal to the outside with PTFE and stainless steel membrane.
(Also see brochure 10.5)
- **Materials:**
1.4408, as well as GS-C25
(Special materials on request)
- **Cast heating medium connection**
Solid and no cracking due to vibration
- **Easy plug adjustment**
Special tools not required, even under the most extreme implementation conditions. Hexagonal screws are easily accessible on the adjustment ring, even when the actuator is mounted.
- **Vacuum-compatible**
- **Hand lever made of stainless steel**
Even in aggressive ambient atmospheres no corrosion
- **Simple mounting of**
e.g. plug shaft extension with
T-lever (insulated pipelines)
Mounting of rotary actuators
- **Face-to-face dimensions and flanges in accordance with DIN, ANSI & JIS** Separate model series for the entire DIN ranges to PN100 or CLASS 600
- **TRD 801 no. 45 TÜV type-approved**
Component approval mark TÜ.AGG.105-90
- **Also all multi-directional valves, as well as special valves are available fully heated.**
- **Jacket connections:**
See last page of this brochure.
- **Maximum temperature 280°C;**
Depending on the medium and pressurisation

TYPE TM

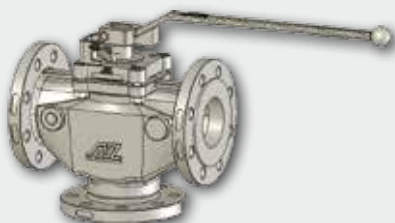
Application examples

F-2-ISO-STD-OS-TM-KSV OVERSIZE



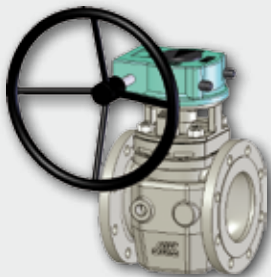
- 2-way ISO standard plug valve
- Oversize flange connection (in accordance with ASME/DIN EN)
- Mounting flange for actuators according to DIN ISO 5211
- Solid cast heating jacket
- Connection type 2A: Flange connection
- Plug shaft extension for insulated pipelines

F-3-S-ISO-STD-TM



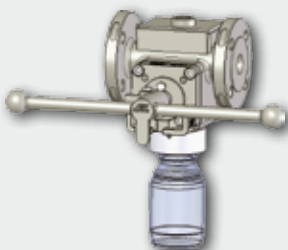
- 3-way ISO standard plug valve
- 3rd outlet vertical
- Mounting flange for actuators according to DIN ISO 5211
- Solid cast heating jacket
- Connection type 2: Threaded connection

F-2-ISO-STD-TM



- 2-way ISO standard plug valve
- Mounting flange for actuators according to DIN ISO 5211
- Gear unit with hand wheel
- Solid cast heating jacket
- Connection type 2: Threaded connection

CONTIFLOW-ISO-STD-TM



- Sampling system for fluids, solids
- Mounting flange for actuators according to DIN ISO 5211
- Heating jacket version
- Connection options: Threaded connection

Order example: F-3-W-ISO-STANDARD-DN50-PN40-TM-KSV-10-DN20

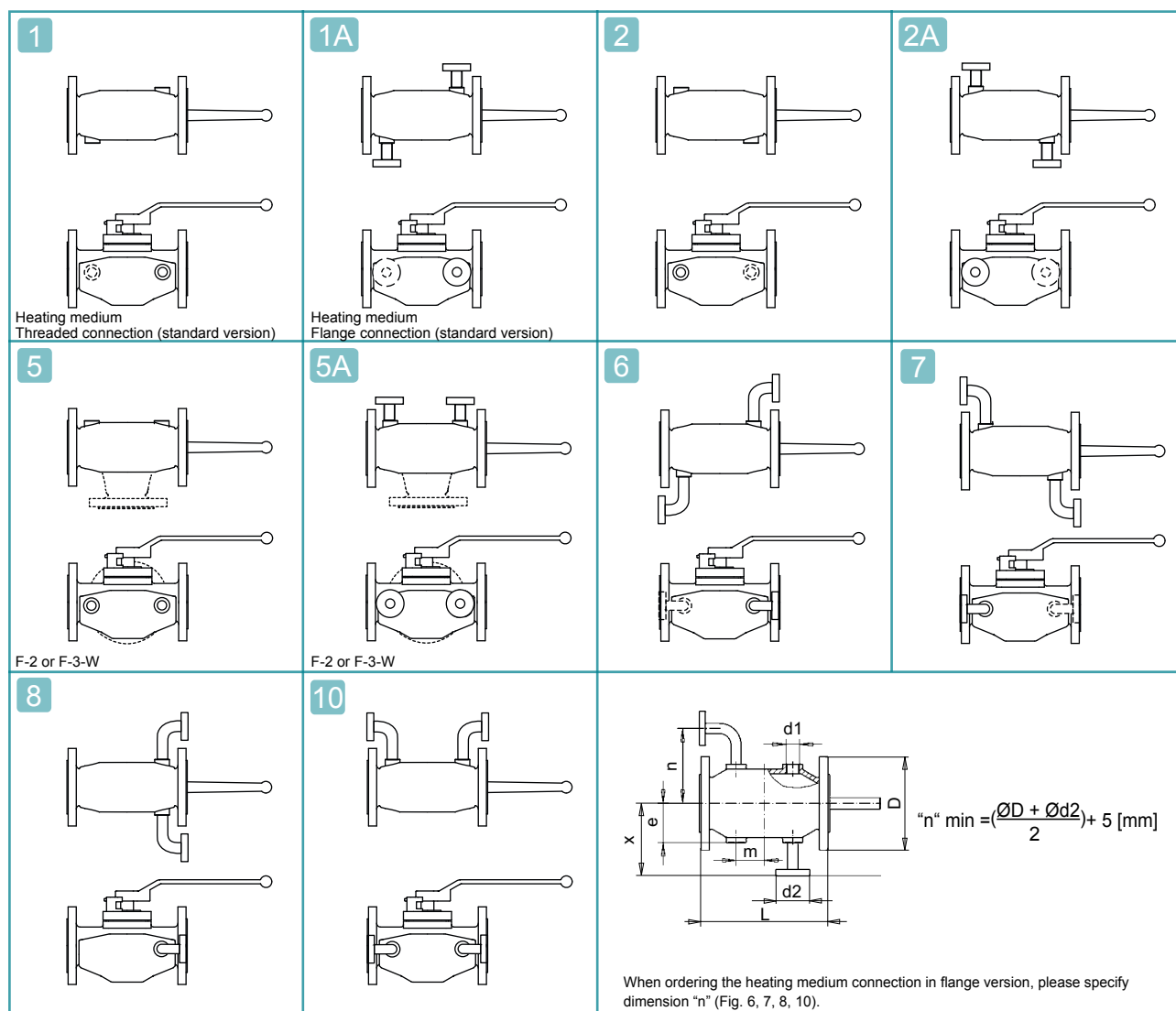
F= Flange, 3= Three-way, W= horizontal, ISO STANDARD= Type, DN50= Nominal width, PN40= Nominal pressure, TM= Heating jacket, KSV= Plug shaft extension, 10= Heating jacket connection, DN20= Flange size

For enquiries / purchase orders:

Specify material for body, plug and heating jacket.

TYPE TM

Dimensions in accordance with DIN / ASME



DIN	DN	15	15E	20E	25 **	25E	32	40	50	65	80	100	100S	125	150	200	250	300	
	x	100	*	*	140	*	140	150	160	170	170	175	185	200	200	255	*	290	
	m	25	*	*	30	*	32,5	45	50	87,5	90	110	110	75	86	90	*	90	
	e	41	*	*	45	*	50	51	62	75	74	77	87,5	108	113	156	*	168	
	d1	G ¾"					G ½"					G ¾"			G 1"				
	d2	DN 15																	
	Override	40	40	40	50	50	50	65	80	80	100	150	150	150	200	250	*	350	
L	130/200	130/200	150/200	160/230	160/230	180/230	200/290	230/310	290/310	310/350	350	350	325/350	350/400	400/450	*	500/550		
ANSI 150 ANSI 300	NPS	½"	¾"	1" **	1½"	2"	3"	4"	4"S	6"	8"	10"	12"	14"	16"	18"	20"	24"	
	x	90	90	90	100	110	125	125	140	185	205	215	*	*	*	*	*	*	
	m	0	0	15	30	35	40	45	40	50	45	65	*	*	*	*	*	*	
	e	40	40	45	53	60	74	72	93	106	128	165	*	*	*	*	*	*	
	d1	G ¾"			G ½"			G ¾"			G 1"								
	d2	NPS ½"																	
	Override	1½"	1½"	2"	3"	3"	4"	6"	6"	8"	10"	12"	*	*	*	*	*	*	
L Class 150	108/165	117/165	127/178	165/203	178/203	203/229	229/267	229/267	267/292	292/330	330/356	*	*	*	*	*	*		
L Class 300	140/190	152/190	165/216	190/282	216/282	282/305	305/403	305/403	403/419	419/457	457/502	*	*	*	*	*	*		

Override: For flange overrides, specify the desired face-to-face length "L", the values in bold are standard face-to-face lengths.

* Other nominal widths and pressure levels on request

**) heating medium connection DIN / ANSI 10 / 18 mm below valve centre.