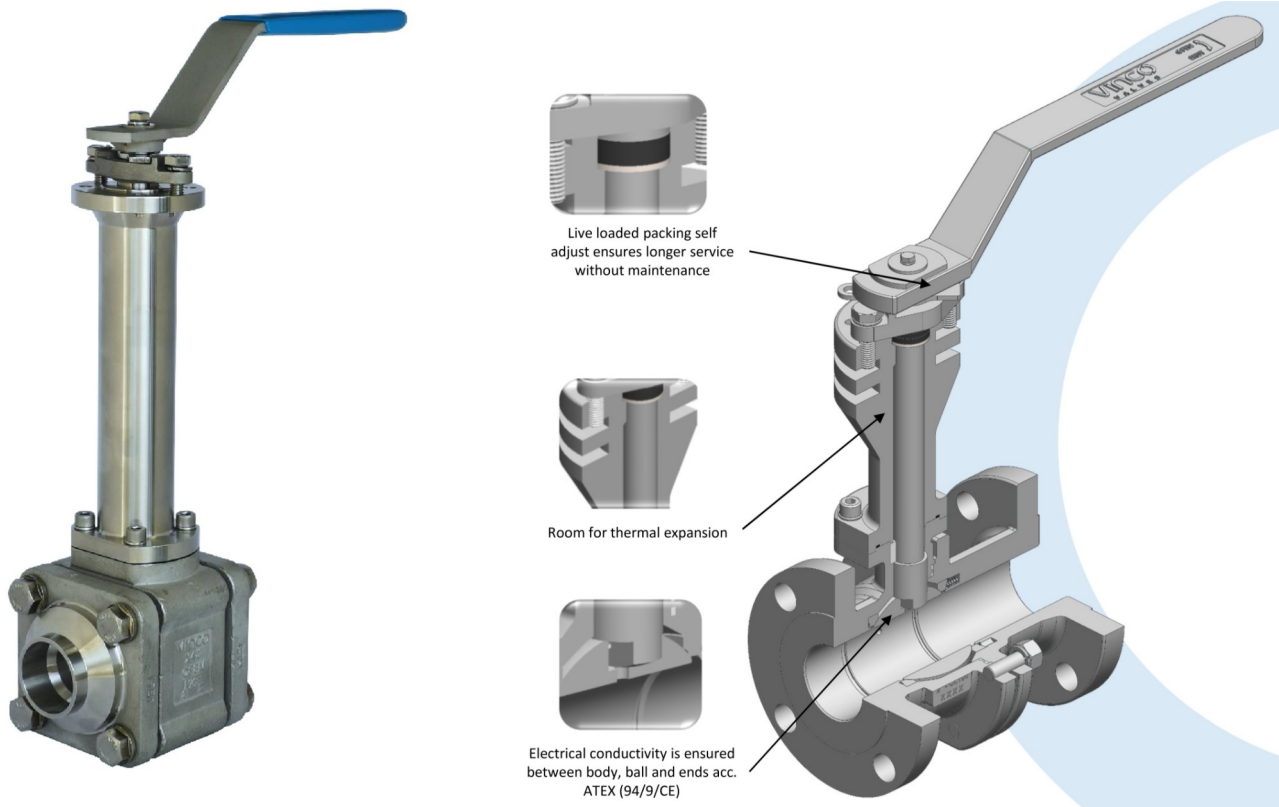


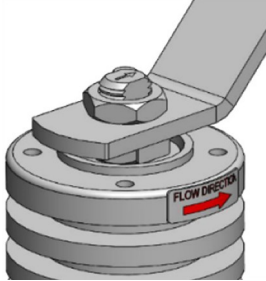


GENERAL FEATURES

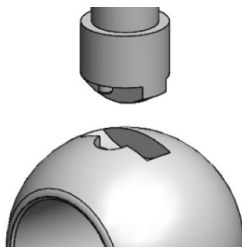


CERTIFICATION	CE Certification acc. to PED 2014/68/EU Fire Safe Design acc. to API 607Ed.6/ISO 10497 ATEX II 2GD Design acc. to 2014/34/EU Quality System Certified acc. to ISO 9001	CONSTRUCTION STANDARDS	ASME B16.34 ISO 17292 ASME B16.25 ASME B36.10M ASME B16.11 MSS-SP-25 ISO 5211
GENERAL FEATURES	One-piece Stem Cleaned, degreased and sealed in plastic bag Stem height avoids freezing of the packing Unidirectional flow Bonnet provision relief of excessive pressure when warmed up 3-Piece Bolted, Floating Type, Anti-static	TEMPERATURE RANGE	From -196°C to +200°C
		BODY MATERIALS	A351 CF3M
CONNECTIONS	Buttweld Ends, Socketweld Ends: BW (ISO, Sch.10 to XXS) SW (ASME B16.11, ASME B36.10M, B16.25) Nipple Ends Threaded	Sizes CL600/PN100	Full bore: 3/8" to 2" Reduced bore: 1/2" to 2" 1/2"
TEST STANDARDS	Pressure tests according to: EN12266-1 / API 598 / ISO 5208 Rate A Cryogenic pressure test according BS 6364 available under request EN 10204 type 3.1 Certificate	Ambient temperature tests applied: Hydrostatic Shell Test Hydrostatic Seat Test Pneumatic Tightness Test Pneumatic Seat Test	Sizes CL300/PN50: Full bore: 2" 1/2" to 4" Reduced bore: 3" to 6"

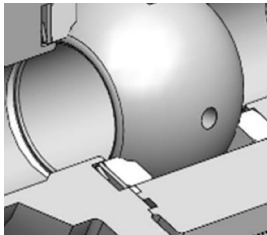
MAIN CONSTRUCTION FEATURES



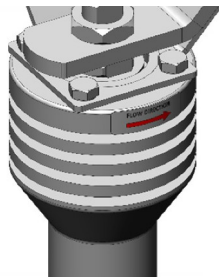
Unidirectional flow arrow engraved on the extension and on the stem for correct valve assembly



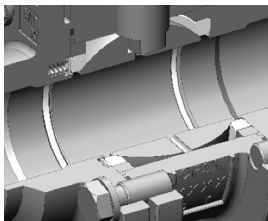
Rib and groove design between the ball and the stem to correct the alignment of the upstream relief hole. Avoids incorrect installation



Upstream vent hole for cavity relief in closed position

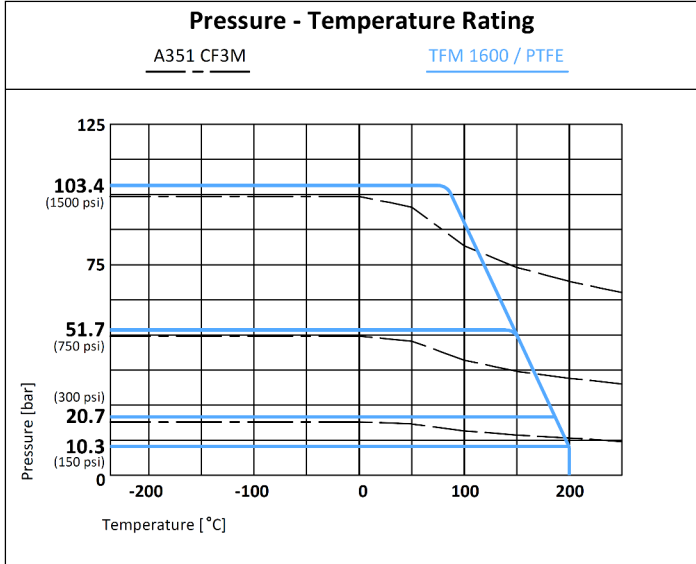


Heat exchanger on the top of the stem in order to warm up the stem top and keep the packing warm, hence extend its lifetime



Spring-loaded TFM 1600 back seat

CHARACTERISTIC



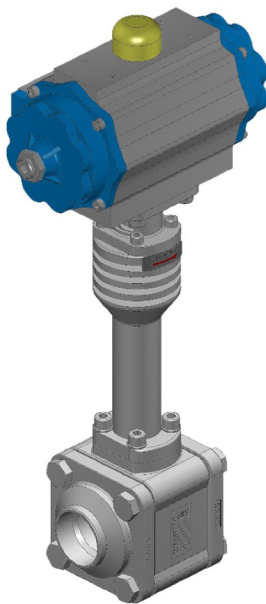
Seat Options		
Material	mOT* [°C]	MOT* [°C]
TFM 1600 / PTFE	-196	200

*mOT - minimum Operating Temperature.
 *MOT - Maximum Operating Temperature at 10 bar

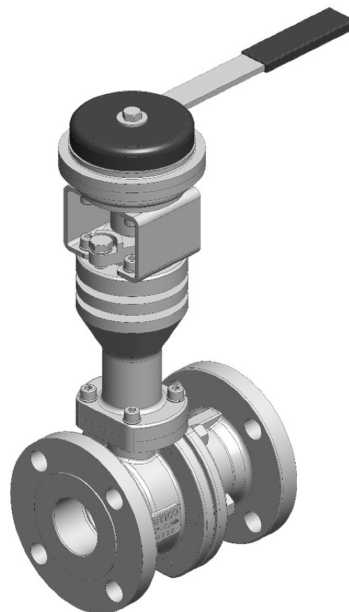
DN / SIZE	Rating	
	Trim S3	Trim A7
FB 15 (½") to 32 (1¼") RB 20 (¾") to 40 (1½")	103.4 bar / 1500 psi	
FB 40 (1½") RB 50 (2")	51.7 bar / 750 psi	103.4 bar / 1500 psi
FB 50 (2") to 65 (2½") RB 65 (2½") to 80 (3")	20.7 bar / 300 psi	51.7 bar / 750 psi
FB 80 (3") to 100 (4") RB 100 (4")	10.3 bar / 150 psi	

Each size has the same envelope design being the pressure class limitation only related with trim materials capabilities (mast)

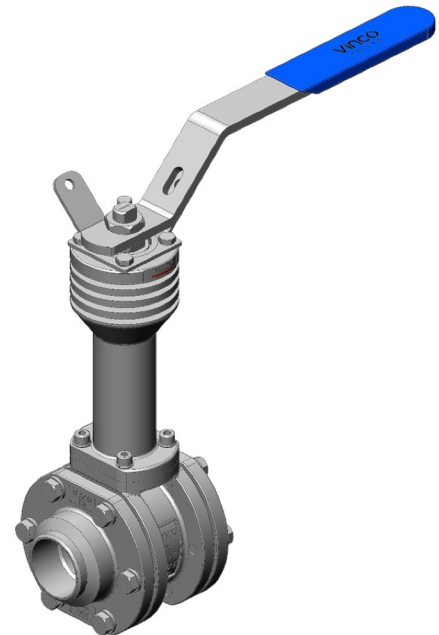
OPTIONAL



Actuators



Spring Return



Lockable Handle

