



ADELAIDE • BRISBANE • PERTH

## **SFEROVA**

## TM3/TM3-L SERIES FORGED SIDE ENTRY BALL VALVE

## **DESIGN FEATURES**

- Manufactured and tested to API6D
- 3 piece Side Entry type
- · Full Bore Full through conduit Piggable
- Manual operation Gear (Rotork)
- Trunnion mounted
- Stem separate from the ball, anti-blow-out design
- No side load on the stem. Bearing blocks absorb the pressure load on the ball
- Triple barrier stem seals
- Anti blow-out stem configuration
- Metal seat retainer complete with soft insert
- O-ring for static (body joints) and dynamic (seat rings and stem) seals. 1500 Class and above c/w PEEK or Nylon or PTFE backing rings behind o-ring.
- All o-rings are supplied by MCM SRL (confirmed on material certificate)
- · Self-relieving seat design feature
- Anti-static to API6D & ISO 17292
- Sealant injection
- Fire safe certified in accordance with ISO 10497 & API607
- Fugitive emission certified ISO EN 15848-1
- · Cavity relief vent & drain





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ISO 900

97/23/EC/PED

	OFFRANCE			PROJECT	Stock Order
5	SFEROVA	FEROVA TECHNICAL OVERVIEW SHEET		PURCHASER	Global Supply Line
				END USER	Australia
.INE					CIFICATIONS
1	VALVE DESCRIPTION				ntry Trunnion Bolted Bonnet
2	VALVE MODEL NO.		TM3/TM3-L Series Ball Valve Side Entry		
3					
4					
5					
6	PRESSURE CLASS		Refer to drawing		
7	BORE (FULL/REDUCED)			Refer to drawing	
8	END CONNECTIONS		Refer to drawing		
9	OPERATION (MANUAL/ACTUATED)		Refer to drawing		
10	GEARBOX (WHERE APPLICABLE)			Rotork	
11	SEAT CONFIGURATION			Self-Relieving	
12	ANTI BLOWOUT STEM DESIGN (YES/NO)			Yes	
13	ANTI STATIC DEVICE (YES/NO)		Yes		
14	VENT/DRAIN FITTING			NPT Plug and Bleed Valve - as per API 6D	
15	FIRE SAFE DESIGN & TESTING (YES/NO - SPEC)			Yes - API 607-6th/ISO 10497	
16	TINE OALE BEGICIT & TESTING	3 (120/140 - 0/ 20)		103 - 74 10	07-04/100 10-07
17	VALVE MATERIALS OF COME	TRUCTION			
-	VALVE MATERIALS OF CONSTRUCTION			Pafer to drawing	
18	BODY			Refer to drawing	
19	CLOSURE			Refer to drawing	
20	STEM		Refer to drawing		
21	BALL			Refer to drawing	
22	SEATS			Refer to drawing	
23	SEAT INSERT			Refer to drawing	
24	SEAT SPRINGS			INCONEL X750	
25	OTHER SEALS			Graphite/Elastomer* (refer to Drawing)	
26	BOLTING			Refer to drawing	
27	STEM GREASE FITTING			Yes	
28	SEAT SEALANT INJECTION FI	TTING		Yes	
29					
30					
31	VALVE DESIGN LIMITS				
32	TEMPERATURE			Refer to drawing	
33	PRESSURE			Refer to drawing	
34	DIFFERENTIAL PRESSURE (MAX.)			Refer to Drawing	
35	,	,			, o
36	TESTING				
37	REFERENCED SPECIFICATION		API6D (ISO 5208 Rate A)		
38	OTHER TEST/INSPECTION CONDUCTED		PMI/CT/MPI as required		
39	OTHER TECHNICI ECTION CO	1100120		1 1111/01/	1 40 10441104
40	CERTIFICATION				
41	PRESSURE RETAINING PARTS			EN	10001.0.1
42	- BODY, BONNET,	CLUSUKE			10204 3.1
43	- STEM				10204 3.1
44	- BOLTING <sup>†</sup>			EN	10204 3.1
45	PRESSURE CONTROLLING PA	KIS			
46	- SEATS			EN 10204 3.1	
47	- BALL		EN 10204 3.1		
48					
49	* MCM SRL Equivelant to FR58/9	90:- AED/T57/VED (Norsok M710	certified) or Viton (	SLT AED	
50					
51					
52		†AL	L B7, B7M, L7, L7M B0	DLTING IS GALVANISED.	
53	CLARIFICATIONS/QUALIFICATIONS:				
54					
-	All valves are provided with locking devices on their individual operators.				
_	Valves are designed with capability for double block and bleed operation/function.				
	Vanves are designed with capability for double block and bleed operation/function. Vent and drain connections include bleed valve.				
$\rightarrow$	Valve body cavity pressure can be released during open and close position.				
	<ul><li>4) valve body cavity pressure can be released during open and close position.</li><li>5) Gear box's cover screw shall be accessible from the top.</li></ul>				
-	•	· · · · · · · · · · · · · · · · · · ·	II 21600		
60	All external fixtures, i.e. seal in		11 3 1033.		DEV NO
	PREPARED BY	CHECKED BY			REV. NO.
-	BT	AS			

## SAMPLE DRAWING

