

# KTM



## Product Profile

# KTM has one of the most complete line of ball valves in the World!



## Complete Range

The KTM line of ball valves from Tyco Valves and Controls has one of the most complete line of quality ball valves available anywhere. KTM can provide the exact ball valves and actuators to meet the most demanding application requirements.

## Experience and Reputation

With almost 70 years of valve manufacturing experience, KTM has developed a reputation for high quality, dependable valves. Additionally, they have a solid record of outstanding customer service.

## Totally Integrated Manufacturing Facility

Count on KTM ball valves for lasting, dependable service. Each valve is precision manufactured from foundry casting to final assembly. Total quality control for every component is maintained from start to finish.

## Dependable Quality Products and Performance

In addition, unique design features add to the life and performance of KTM ball valves. As an example, the incredibly high degree of accuracy machined into every ball; a sphericity of +/- 0.0008" and a 4RMS finish, specifications that are unsurpassed anywhere!

## Quality Assurance (ISO 9001)

KTM complies fully with the global ISO 9001 quality system requirements, the first major ball valve manufacturer to do so. This achievement is confirmation of the many years of commitment KTM has put forth toward product quality.

## Statistical Process and Quality Control

KTM products are manufactured utilizing S.P.Q.C. A powerful tool for producing quality products.

## Advantages

KTM offers advantages only a fully integrated manufacturer can:

- The most complete line of ball valves
- Manual or an automated mode of operation
- Standard, off-the-shelf, special and custom-made valves
- Mill Test Reports (MTRs) available on all valves
- Material traceability
- Continuing source guarantees
- Product warranties
- Qualified service and engineering support

## Special options and tests are available on application:

### Options:

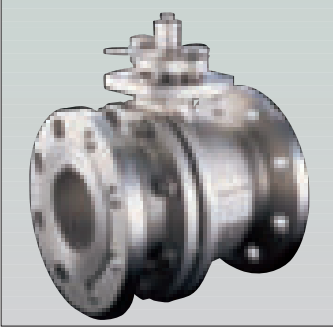


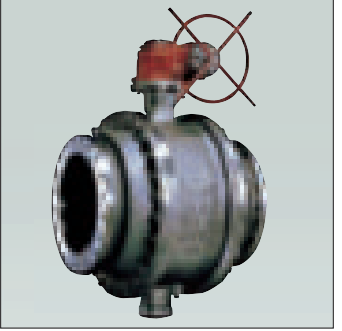

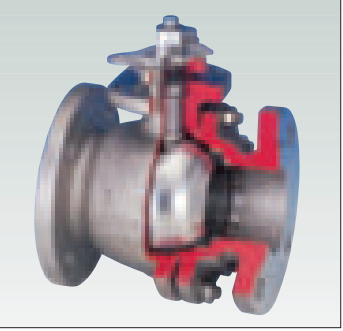
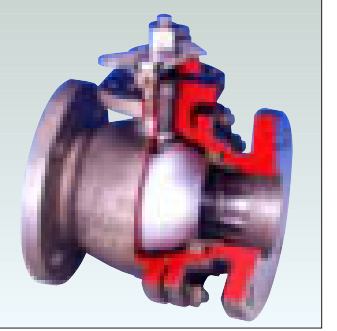
Stem extension  
Body Coating  
Double Block & Bleed  
Chlorine Service  
Oxygen Service  
Vacuum Service

### Tests:


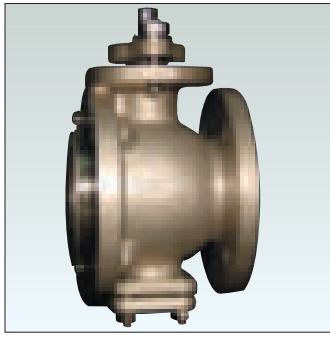
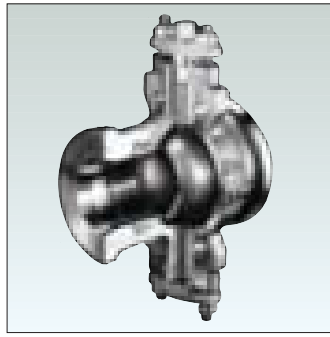

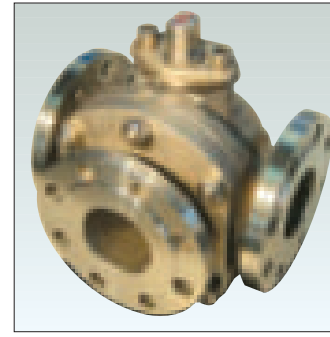
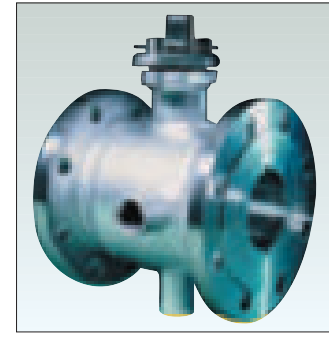
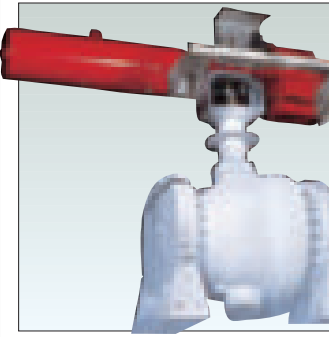
Liquid Penetrant  
Magnetic Particle  
Ultra-Sonic  
X-ray

No other valve manufacturer can surpass the product quality, availability and service of KTM. Take advantage of this experience and make it work for you.



	Floating			Trunnion	Lined	High Temperature					
											
	Omni II (EB Series)		SB11	Unibody	API 6D	PFA Lined	Gratite	Metaltite			
Construction	Split Body		Split Body	One-piece Body	Split Body	Split Body	Split Body				
Design	Bidirectional, Side Entry		Bidirectional, Side Entry	Bidirectional, Side Entry	Bidirectional, Side Entry	Floating, Side Entry	Floating, Bidirectional, Side Entry		Floating, Trunnion, Bidirectional, Side Entry		
Pressure Class - Size Range(mm)	Full bore	Reduced bore	Full bore	Reduced bore	Full bore	Reduced bore	Full bore	Reduced bore	Full bore	Reduced bore	
ANSI Class 150	15-200	150-250	15-200	15-200	50-900	80-900	15-100	15-200	80-250	15-500	80-600
ANSI Class 300	15-200	150-250		15-200	50-900	80-900		15-200	80-250	15-500	80-600
ANSI Class 600					15-750	80-750		15-100	80-150	15-500	80-600
ANSI Class 900					15-600	80-750		15-100	80-150	15-500	80-600
ANSI Class 1500					15-600	80-600					
ANSI Class 2500											
Temperature	-30°C to 260°C		-29°C to 232°C	-196°C to 260°C	-46°C to 220°C		-30°C to 150°C		-29°C to 500°C		
End Connection	Flanged		Flanged	Flanged	Flanged	Flanged	Flanged	Flanged	Flanged		
Face to Face Dimension	ANSI/ASME B16.10		ANSI/ASME B16.10	ANSI/ASME B16.10	ANSI/ASME B16.10 API 6D	ANSI/ASME B16.10	ANSI/ASME B16.10	ANSI/ASME B16.10	ANSI/ASME B16.10		
Shut-off Class	Soft seat - Class VI		Soft seat - Class VI	Soft seat - Class VI	Soft seat - Class VI	Soft seat - Class VI	Soft seat - Class VI	Gratite seat - Class V		Metal seat - Class V	
Body Materials	Carbon steel, Stainless steel, Duplex, Alloy 20, Monel, Hastelloy B & C, Nickel, Inconel, Titanium and others		Carbon steel and Stainless steel	Carbon steel and Stainless steel	Carbon steel, Stainless steel, Duplex, Alloy 20, Monel, Hastelloy B & C, Nickel, Inconel, Titanium and others	Stainless steel with PFA	Carbon steel, Stainless steel	Carbon steel, Stainless steel		Carbon steel, Stainless steel	
Trim Materials	Stainless steel, Duplex, Alloy 20, Monel, Hastelloy B & C, Nickel, Inconel, Titanium and others		Stainless steel	Stainless steel	Carbon steel, Stainless steel, Duplex, Alloy 20, Monel, Hastelloy B & C, Nickel, Inconel, Titanium and others	Stainless steel with PFA	Stainless steel	Stainless steel		Stainless steel with Hcr or SFNi	
Available Seat Materials	PTFE,RTFE, Nylon, PEEK, and others		PTFE and RTFE	RTFE	PTFE,RTFE, Nylon, PEEK and others	PTFE	Graphite	Graphite		Stainless steel with Stellite	
Standard Features											
Locking Device	0	0	0	0	0	0	0	0	0	0	
Cavity Relief	0	0	0	0	0	0	0	0	0	0	
Positive Shut-Off	0	0	0	0	0	0	0	0	0	0	
Blow-Out Proof Stem	0	0	0	0	0	0	0	0	0	0	
Fugitive Emission Control	0	0	0	0	0	0	0	0	0	0	
Fire Safe Construction	0	0	0	0	0	0	0	0	0	0	
Anti-Static Electricity	0	0	0	0	0	0	0	0	0	0	
Block & Bleed	0	0	0	0	0	0	0	0	0	0	
Integral Mounting Flange	0	0	0	0	0	0	0	0	0	0	
ISO Integral Mounting Flange	0	0	0	0	0	0	0	0	0	0	
Sulfide Stress Cracking Resistant (Compliance to NACE MR-01-75)	0	0	0	0	0	0	0	0	0	0	
Positive Flow Stem Indicator	0	0	0	0	0	0	0	0	0	0	
Cryogenic	0	0	0	0	0	0	0	0	0	0	
Vacuum Service	0	0	0	0	0	0	0	0	0	0	
Lethal / Toxic	0	0	0	0	0	0	0	0	0	0	

Tyco reserves the right to change any contents without notice

Control				Three-Way				Jacketed		Low Temperature				
														
V-Port		ISA V-Port		Dual V		2 Seats (L Port)		4 Seats (L & T port)		Steam Jacket		Cryogenic		
Split Body				Unibody		Split Body				Unibody		Split Body		<b>Construction</b>
Trunnion, Unidirectional, Side Entry		Trunnion, Unidirectional, Side Entry		Trunnion, Unidirectional, Side Entry		Floating, Side Entry		Floating, Side & Top Entry		Floating, Bidirectional, Side Entry		Unidirectional		<b>Design</b>
<i>Full bore</i>	<i>Reduced bore</i>	<i>Full bore</i>	<i>Reduced bore</i>	<i>Reduced bore</i>		<i>Full bore</i>	<i>Reduced bore</i>	<i>Full bore</i>	<i>Reduced bore</i>	<i>Full bore</i>	<i>Reduced bore</i>	<i>Full bore</i>	<i>Reduced bore</i>	<b>Pressure Class - Size Range(mm)</b>
25-450 25-300	40-500 40-300	25-100	150-200	25-200 25-200		40-350 40-250	150-350 150-300	15-200 15-200	150-350 150-300	15-200 15-200	80-250 80-250	15-500 15-500	150-300 150-300	ANSI Class 150 ANSI Class 300 ANSI Class 600 ANSI Class 900 ANSI Class 1500 ANSI Class 2500
-29°C to 350°C		-29°C to 250°C		-29°C to 260°C		-29°C to 260°C -29°C to 500°C (Available for Gratiite 25mm to 200mm only)		-29°C to 260°C		-20°C to 270°C		ambient temperature to -196°C		<b>Temperature</b>
Flanged		Flanged		Flanged & flangeless		Flanged		Flanged		Flanged		Flanged		<b>End Connection</b>
ANSI/ASME B16.10		ANSI/ASME B16.10 short pattern & ISA 75.04		ANSI/ASME B16.10 short pattern & ISA 75.04		KTM standard		KTM standard		KTM standard		ANSI/ASME B16.10		<b>Face to Face Dimension</b>
Laminated - Class IV Solid - Class II		Laminated - Class IV Solid - Class II		Metal - Class V		Soft seat - Class VI Gratite seat - Class V		Soft seat - Class VI		Soft seat - Class VI Gratite seat - Class V Metal seat - Class V		Soft seat - Class VI		<b>Shut-off Class</b>
Carbon steel, Stainless steel		Stainless steel		Stainless steel		Carbon steel, Stainless steel, Duplex, Alloy 20, Monel, Hastelloy B & C and others		Carbon steel and Stainless steel		Carbon steel and Stainless steel		Stainless steel		<b>Body Materials</b>
Stainless steel with Hcr or Stellited		Stainless steel with Hcr or Stellited		Stainless steel with Hcr or Stellited		Stainless steel, Duplex, Alloy 20, Monel, Hastelloy B & C and others		Stainless steel		Stainless steel		Stainless steel		<b>Trim Materials</b>
Laminated metal seat & Stellited thick (solid) metal seat		Laminated metal seat & Stellited thick (solid) metal seat		Stellited metal seat		PTFE, RTFE, PEEK and Graphite		PTFE and RTFE		PTFE, RTFE, PEEK, Graphite and metal		PTFE		<b>Available Seat Materials</b>
													<b>Standard Features</b>	
0		0		0		0		0		0		0		Locking Device
0		0		0		0		0		0		0		Cavity Relief
0		0		0		0		0		0		0		Positive Shut-Off
0		0		0		0		0		0		0		Blow-Out Proof Stem
0		0		0		0		0		0		0		Fugitive Emission Control
0		0		0		0		0		0		0		Fire Safe Construction
0		0		0		0		0		0		0		Anti-Static Electricity
0		0		0		0		0		0		0		Block & Bleed
0		0		0		0		0		0		0		Integral Mounting Flange
0		0		0		0		0		0		0		ISO Integral Mounting Flange
0		0		0		0		0		0		0		Sulfide Stress Cracking Resistant (Compliance to NACE MR-01-75)
0		0		0		0		0		0		0		Positive Flow Stem Indicator
0		0		0		0		0		0		0		Cryogenic
0		0		0		0		0		0		0		Vacuum Service
0		0		0		0		0		0		0		Lethal / Toxic

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