



# SUPREME ENTERPRISE

Industrial Valves

4th Floor, Survey No. 235/A and 247/A, E/401, Nr. Bhattha School, Gyaspur, Ahmedabad, Gujarat 382405, India | Branch: Mehta House, Relief Road, Ahmedabad 380001  
 GST 24AFAFS5839J1ZQ • IEC AFAFS5839J • info@supremevalves.in | www.supremevalves.in • +91 97732 78770

Doc. No.	SV-DATA-2026-KOC_SAFETY_RELIEF_VALVE_GATHERING_CENTER			Page	1 OF 1
Rev.	A			Date	13-Jun-2026
<b>KOC-Spec Safety Relief Valve (Kuwait Oil Company KOC Spec) -- Technical Datasheet</b>					
<b>R</b>	<b>REFERENCES &amp; RELATED DOCUMENTS</b>				
R1	P&ID / Process Diagram	N/A -- Product Datasheet	Piping Material Spec.	N/A -- Product Datasheet	
R2	Project Standard / Spec.	ASME Section VIII, API 526, API 527, API 598			
<b>1</b>	<b>GENERAL</b>				
2	P&ID No. / Tag No.	N/A -- Product Datasheet	Piping Class	Set 10 BARG @ 15°C; Orifice 0.06 sq.in (0.387 cm <sup>2</sup> ); -29°C to +200°C	
3	Valve Tag / Item No.	N/A -- Product Datasheet	Quantity Required	As required	
4	Design Standard	ASME Section VIII, API 526, API 527, API 598	Pressure Class / Rating	Set 10 BARG @ 15°C; Orifice 0.06 sq.in (0.387 cm <sup>2</sup> ); -29°C to +200°C	
5	Valve Size, Inlet x Outlet	1" Class 300# Inlet x 1" Class 150# Outlet	End Connection	Flanged RF (Raised Face) per ASME B16.5	
6	Valve Type / Model	KOC-Spec Safety Relief Valve (Kuwait Oil Company KOC Spec)	Operation Mode	Conventional spring-loaded safety relief valve engineered to Kuwait Oil Company specification (26313-CN-000 series) -- drop-in compatible for Gathering Centers GC 03, 04, 06 & GC 21	
6A	Service / Application	Oil & Gas Gathering Centers, Wellhead Overpressure Protection, KOC GC 03/04/06/21	Fluid State	Liquid / Gas / Steam (as applicable)	
<b>7</b>	<b>DESIGN CONDITIONS</b>				
8	Design Pressure	Set 10 BARG @ 15°C; Orifice 0.06 sq.in (0.387 cm <sup>2</sup> ); -29°C to +200°C	Design Temp. Min / Max	-29°C to +425°C (standard) -- higher/lower on request	
9	Operating Pressure	Set 10 BARG @ 15°C; Orifice 0.06 sq.in (0.387 cm <sup>2</sup> ); -29°C to +200°C	Operating Temp.	Ambient to +200°C (standard) -- project-specific on request	
10	Set / Relief Pressure	Set 10 BARG @ 15°C; Orifice 0.06 sq.in (0.387 cm <sup>2</sup> ); -29°C to +200°C	Back Pressure	N/A -- Product Datasheet	
11	Fluid Handled / Service	Oil & Gas Gathering Centers, Wellhead Overpressure Protection, KOC GC 03/04/06/21	Corrosion Allowance	As per project specification	
12	Required Capacity / Flow Rate	As per valve size and pressure class	Location / Installation	Indoor / Outdoor / Offshore / Marine (as applicable)	
<b>13</b>	<b>VALVE OPERATION REQUIREMENT</b>				
14	Type of Valve Operator	Conventional spring-loaded safety relief valve engineered to Kuwait Oil Company specification (26313-CN-000 series) -- drop-in compatible for Gathering Centers GC 03, 04, 06 & GC 21	Actuator Specification	ISO 5211 pad (actuated) -- Electric / Pneumatic / Hydraulic on request	
15	Fail-Safe Position	As per project / application requirements	Accessories Required	Limit switches, positioners, solenoid valves, manual override -- on request	
<b>16</b>	<b>VALVE MATERIAL SPECIFICATION (EQUIVALENT OR SUPERIOR)</b>				
	Valve Part	Specified Material	Proposed Material (Supreme Valves India)		
	Body	As per project specification	ASTM A216 WCB / ASTM A351 CF8M (SS316)		
	Bonnet / Cover	As per standard	As per standard / matching body grade		
	Trim (Disc / Seat)	As per standard	Stainless Steel 316 (SS316)		
	Stem / Spindle	As per standard	As per standard		
	Gasket / Packing	As per standard	Spiral wound SS316 + graphite		
	Bolting / Nuts	As per standard	ASTM A193 Gr. B7 / A194 Gr. 2H		
	Spring	As per standard	Stainless Steel 316 / Inconel X-750 (High Temp)		
	Adjusting Screw	As per standard	Stainless Steel 316 (Part No. P-105212)		
	Disc Holder	As per standard	Stainless Steel 316 (Part No. P-105208)		
<b>17</b>	<b>TESTING, INSPECTION &amp; CERTIFICATION REQUIREMENTS</b>				
18	Hydrostatic Shell Test	Hydrostatic per ASME Section VIII	Seat / Pneumatic Test	API 527 seat tightness at set pressure	
19	NDT Requirements	100% MPI / DPT on machined surfaces (if specified) -- Radiography / Ultrasonic on request			
20	Required Certificates / MTC	EN 10204 3.1 MTC (standard) -- EN 10204 3.2 / third-party inspection on request			

21	Witness / Inspection Agency	Client / TPI representative (if specified)	Third Party Inspection	TUV / SGS / BV / Lloyds Register (client cost)
22	<b>PAINTING, PRESERVATION &amp; PACKING</b>			
23	Painting / Coating Specification	Standard: one coat primer + two coats synthetic enamel (colour per client spec) -- special coatings (epoxy, PTFE, rubber lining) on request		
24	Packing Requirement	Wooden cases / pallets with VCI protection -- sea-worthy packing for export on request		

26	<b>NOTES</b>			
<p>1. This datasheet covers standard specifications for KOC-Spec Safety Relief Valve (Kuwait Oil Company KOC Spec).</p> <p>2. Design Standard: ASME Section VIII, API 526, API 527, API 598.</p> <p>3. Application / Service: Oil &amp; Gas Gathering Centers, Wellhead Overpressure Protection, KOC GC 03/04/06/21.</p> <p>4. Size Range: 1" Class 300# Inlet x 1" Class 150# Outlet. Pressure Rating: Set 10 BARG @ 15°C; Orifice 0.06 sq.in (0.387 cm<sup>2</sup>); -29°C to +200°C.</p> <p>5. All valves are manufactured new and unused by an ISO 9001 compliant foundry.</p> <p>6. Material Test Certificates (MTC) per EN 10204 3.1 provided as standard; EN 10204 3.2 available on request at additional cost.</p> <p>7. Testing performed per ISO 5208 / API 598: shell test at 1.5x rated pressure, seat test at 1.1x rated pressure -- bubble-tight zero leakage.</p> <p>8. Face-to-face dimensions per ASME B16.10 / BS 2080 / manufacturer standard unless otherwise specified.</p> <p>9. Marking per MSS SP-25: Size, Pressure Class, Material, Heat Number, Tag Number, Serial Number, Flow Direction.</p> <p>10. Alternative / upgraded materials: Bonnet &amp; spring housing in matching WCB / CF8M; alternate orifices to suit relief load on request.</p> <p>11. Actuated valves (electric, pneumatic, hydraulic) supplied with ISO 5211 mounting pad and position indicator.</p> <p>12. Third-party inspection by TUV, SGS, Bureau Veritas, or Lloyds Register available on request at client cost.</p> <p>13. This datasheet is for general reference. Firm specifications to be confirmed upon receipt of confirmed Purchase Order with technical requirements.</p> <p>14. For specific project requirements, deviation forms, or material substitutions, please contact our engineering team.</p>				

RH	<b>REVISION HISTORY</b>			
	Rev.	Date	Description of Change	Prepared / Reviewed / Approved
	A	13-Jun-2026	Initial issue -- Product datasheet generated from standard catalogue	Supreme Valves India -- Technical Department

AP	<b>DOCUMENT APPROVAL</b>		
	<p style="text-align: center;"><b>PREPARED BY</b></p> <p style="text-align: center;">Supreme Valves India -- Technical Department, Ahmedabad</p> <p>_____</p> <p style="text-align: center;">Signature / Date</p>	<p style="text-align: center;"><b>REVIEWED BY</b></p> <p>_____</p> <p style="text-align: center;">Name / Signature / Date</p>	<p style="text-align: center;"><b>APPROVED BY</b></p> <p>_____</p> <p style="text-align: center;">Name / Signature / Date</p>