



# SUPREME ENTERPRISE

Industrial Valves

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Doc. No.	SV-DATA-2026-SUPREME_2_WAY_PILOT_OPERATED_AUTO_DRAIN_VALVE_AC_DC			Page	1 OF 1
Rev.	A			Date	13-Jun-2026
<b>Supreme 2 Way Pilot Operated Auto Drain Valve AC-DC -- Technical Datasheet</b>					
<b>R</b>	<b>REFERENCES &amp; RELATED DOCUMENTS</b>				
<b>R1</b>	<b>P&amp;ID / Process Diagram</b>	N/A -- Product Datasheet	<b>Piping Material Spec.</b>	N/A -- Product Datasheet	
<b>R2</b>	<b>Project Standard / Spec.</b>	IS 14735 / IEC 60947, coil IP65 per IEC 60529			
<b>1</b>	<b>GENERAL</b>				
<b>2</b>	<b>P&amp;ID No. / Tag No.</b>	N/A -- Product Datasheet	<b>Piping Class</b>	0 to 16 bar differential (model dependent; vacuum and high-pressure PBN series on request)	
<b>3</b>	<b>Valve Tag / Item No.</b>	N/A -- Product Datasheet	<b>Quantity Required</b>	As required	
<b>4</b>	<b>Design Standard</b>	IS 14735 / IEC 60947, coil IP65 per IEC 60529		<b>Pressure Class / Rating</b>	0 to 16 bar differential (model dependent; vacuum and high-pressure PBN series on request)
<b>5</b>	<b>Valve Size, Inlet x Outlet</b>	1/4" to 2" (screwed)		<b>End Connection</b>	Screwed BSP / NPT (flanged on 2½" and larger)
<b>6</b>	<b>Valve Type / Model</b>	Supreme 2 Way Pilot Operated Auto Drain Valve AC-DC		<b>Operation Mode</b>	2/2-Way normally closed (nc) pilot operated automatic condensate drain (ac / dc) solenoid valve. Standard coils 24V DC and 110 / 230V AC 50/60 Hz (other voltages on request). Operating temperature -30°C to 90°C; -10°C to 140°C. Manual override and DIN 43650 connector available.
<b>6A</b>	<b>Service / Application</b>	Process Automation, Pneumatic Skids, Water / Air / Gas / Steam Control, OEM Equipment		<b>Fluid State</b>	Liquid / Gas / Steam (as applicable)
<b>7</b>	<b>DESIGN CONDITIONS</b>				
<b>8</b>	<b>Design Pressure</b>	0 to 16 bar differential (model dependent; vacuum and high-pressure PBN series on request)		<b>Design Temp. Min / Max</b>	-29°C to +425°C (standard) -- higher/lower on request
<b>9</b>	<b>Operating Pressure</b>	0 to 16 bar differential (model dependent; vacuum and high-pressure PBN series on request)		<b>Operating Temp.</b>	Ambient to +200°C (standard) -- project-specific on request
<b>10</b>	<b>Set / Relief Pressure</b>	N/A -- Product Datasheet		<b>Back Pressure</b>	N/A -- Product Datasheet
<b>11</b>	<b>Fluid Handled / Service</b>	Process Automation, Pneumatic Skids, Water / Air / Gas / Steam Control, OEM Equipment		<b>Corrosion Allowance</b>	As per project specification
<b>12</b>	<b>Required Capacity / Flow Rate</b>	As per valve size and pressure class		<b>Location / Installation</b>	Indoor / Outdoor / Offshore / Marine (as applicable)
<b>13</b>	<b>VALVE OPERATION REQUIREMENT</b>				
<b>14</b>	<b>Type of Valve Operator</b>	2/2-Way normally closed (nc) pilot operated automatic condensate drain (ac / dc) solenoid valve. Standard coils 24V DC and 110 / 230V AC 50/60 Hz (other voltages on request). Operating temperature -30°C to 90°C; -10°C to 140°C. Manual override and DIN 43650 connector available.		<b>Actuator Specification</b>	ISO 5211 pad (actuated) -- Electric / Pneumatic / Hydraulic on request
<b>15</b>	<b>Fail-Safe Position</b>	As per project / application requirements		<b>Accessories Required</b>	Limit switches, positioners, solenoid valves, manual override -- on request
<b>16</b>	<b>VALVE MATERIAL SPECIFICATION (EQUIVALENT OR SUPERIOR)</b>				
	<b>Valve Part</b>	<b>Specified Material</b>	<b>Proposed Material (Supreme Valves India)</b>		
	<b>Body</b>	As per project specification	Brass / CF8 (SS304) / CF8M (SS316) body		
	<b>Bonnet / Cover</b>	As per standard	As per standard / matching body grade		
	<b>Trim (Disc / Seat)</b>	As per standard	NBR / EPDM / Viton (FKM) / PTFE -- selected per media		
	<b>Stem / Spindle</b>	As per standard	As per standard		
	<b>Gasket / Packing</b>	As per standard	Spiral wound SS316 + graphite		
	<b>Bolting / Nuts</b>	As per standard	ASTM A193 B7 / A194 2H		
	<b>Coil</b>	As per standard	Class F / H insulation, continuously rated, IP65 (Ex d / IP67 on request)		
	<b>Core / Plunger Tube</b>	As per standard	Stainless Steel 304 / 430F		
	<b>Seat</b>	As per standard	PTFE / metal (per service)		
	<b>Spring</b>	As per standard	Stainless Steel 304 / 316		

17	<b>TESTING, INSPECTION &amp; CERTIFICATION REQUIREMENTS</b>		
18	<b>Hydrostatic Shell Test</b>	Hydrostatic shell test per IS 14735 / manufacturer standard	<b>Seat / Pneumatic Test</b>
19	<b>NDT Requirements</b>	100% MPI / DPT on machined surfaces (if specified) -- Radiography / Ultrasonic on request	
20	<b>Required Certificates / MTC</b>	EN 10204 3.1 MTC (standard) -- EN 10204 3.2 / third-party inspection on request	
21	<b>Witness / Inspection Agency</b>	Client / TPI representative (if specified)	<b>Third Party Inspection</b>
22	<b>PAINTING, PRESERVATION &amp; PACKING</b>		
23	<b>Painting / Coating Specification</b>	Standard: one coat primer + two coats synthetic enamel (colour per client spec) -- special coatings (epoxy, PTFE, rubber lining) on request	
24	<b>Packing Requirement</b>	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 Supreme 2 Way Pilot Operated Auto Drain Valve AC-DC.</p> <p>2. Design Standard: IS 14735 / IEC 60947, coil IP65 per IEC 60529.</p> <p>3. Application / Service: Process Automation, Pneumatic Skids, Water / Air / Gas / Steam Control, OEM Equipment.</p> <p>4. Size Range: 1/4" to 2" (screwed). Pressure Rating: 0 to 16 bar differential (model dependent; vacuum and high-pressure PBN series on request).</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: Body options: Brass / CF8 (SS304) / CF8M (SS316). Viton / EPDM / PTFE seals per media; explosion-proof (Ex d) and plastic-body variants 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>		
	<b>Rev.</b>	<b>Date</b>	<b>Description of Change</b>
	A	13-Jun-2026	Initial issue -- Product datasheet generated from standard catalogue
			<b>Prepared / Reviewed / Approved</b>
			Supreme Valves India -- Technical Department

AP	<b>DOCUMENT APPROVAL</b>		
	<b>PREPARED BY</b> Supreme Valves India -- Technical Department, Ahmedabad	<b>REVIEWED BY</b>	<b>APPROVED BY</b>
	_____	_____	_____
	Signature / Date	Name / Signature / Date	Name / Signature / Date