



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**TEKNO VALVES (LABORATORY DIVISION)**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

NATUN RASTA, BILKANDA, KOLKATA, 24 PARAGANAS NORTH, WEST BENGAL, INDIA

in the field of

**CALIBRATION**

Certificate Number: CC-3949

Issue Date: 05/06/2024

Valid Until: 04/06/2026

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Entity: Tekno Valves

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



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## SCOPE OF ACCREDITATION

<b>Laboratory Name :</b>	TEKNO VALVES (LABORATORY DIVISION), NATUN RASTA, BILKANDA, KOLKATA, 24 PARAGANAS NORTH, WEST BENGAL, INDIA		
<b>Accreditation Standard</b>	ISO/IEC 17025:2017		
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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	3 Point Internal Micrometer ( L.C.: 0.001 mm )	Using Master Setting Ring by Comparison Method	6 mm to 35 mm	0.001 mm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper - Vernier / Dial / Digital ( L.C.: 0.01 mm )	Using Gauge Block, Slip Gauge Accessories and Master Setting Ring by Comparison Method	0 to 300 mm	0.013 mm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Plunger Type ( L.C.: 0.01 mm )	Using Universal Length Measuring Machine by Comparison Method	0 to 25 mm	0.005 mm
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Lever Type ( L.C.: 0.002 mm )	Using Length Measuring Machine by Comparison Method	0.2 mm to 0.6 mm	0.002 mm



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5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Gauge - Lever Type ( L.C.: 0.01 mm )	Using Length Measuring Machine by Comparison Method	0.01 mm to 0.8 mm	0.005 mm
6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer - Analog / Digital ( L.C.: 0.001 mm )	Using Gauge Block Set by Comparison Method	0 to 100 mm	0.002 mm
7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Limit Gauge (Depth)	Using Plunger Type Digital Gauge and Gauge Block by Comparison Method	0 to 60 mm	0.004 mm
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Master Setting Ring Gauge	Using Length Measuring Machine and Master Setting Ring by Direct Method	4 mm to 60 mm	0.001 mm
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Micrometer Setting Rod	Using Dial Comparator and Gauge Blocks by Comparison Method	25 mm to 75 mm	0.005 mm



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10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Plug Gauge (External Diameter)	Using Length Measuring Machine by Direct Method	1 mm to 50 mm	0.002 mm
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Receiver Gauge ( Verification of Centre Distance among 2/3 hole / pin location)	Using 2D Height Gauge by Direct Method	1 mm to 30 mm	0.012 mm
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Snap Gauge	Using Gauge Blocks by Comparison Methods	3 mm to 100 mm	0.006 mm
13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plug Gauge ( Taper Angle)	Using Length Measuring Machine and Measuring Pin by Direct Method	1 ° to 70 °	0.005 °
14	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Plug Gauge (External Taper Diameter)	Using Length Measuring Machine and Measuring Pin by Direct Method	1 mm to 70 mm	0.002 mm



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15	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Ring Gauge ( Taper Angle)	Using Length Measuring Machine and Master Setting Ring Gauge by Direct Method	1 ° to 11 °	0.005 °
16	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Ring Gauge (Internal Taper Diameter)	Using Length Measuring Machine and Master Setting Ring by Direct Method	2.5 mm to 50 mm	0.003 mm
17	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Plug Gauge (Pitch Diameter)	Using Length Measuring Machine and Thread Measuring Wire by Direct Method	7 mm to 50 mm	0.002 mm
18	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Plug Gauge (Pitch Diameter)	Using Floating Carriage Diameter Measuring Machine and Thread Measuring wires by Comparison Method	7 mm to 50 mm	0.003 mm
19	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Ring Gauge ( Pitch Diameter )	Using Check Plug and Lever Dial Gauge by Comparison Method	7 mm to 50 mm	0.003 mm



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20	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Taper Thread Ring Gauge (Taper Angle)	Using Length Measuring Machine and Master Setting Ring Gauge by Comparison Method	1 ° to 11 °	0.005 °
21	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Plug Gauge ( Simple Pitch Diameter & Major Diameter )	Using Floating Carriage Diameter Measuring Machine and Thread Measuring wires by Comparison Method	2 mm to 50 mm	0.002 mm
22	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge (Minor Diameter)	Using 3 Point Internal Micrometer by Comparison Method	16 mm to 35 mm	0.004 mm
23	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Thread Ring Gauge (Simple Pitch Diameter)	Using Length Measuring Machine and Master Setting Ring by Comparison Method	4 mm to 50 mm	0.002 mm
24	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Dial / Digital Pressure Gauge / Pressure Transmitter with DRO Unit / Calibrator (L.C.: 1 bar)	Using Digital Pressure Gauge, Hydraulic Pump by Comparison Method	600 bar to 1000 bar	2 bar



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25	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure - Dial /Digital Pressure Gauge / Pressure Transmitter with DRO Unit / Calibrator ( L.C.: 0.1 bar )	Using Digital Pressure Gauge Hydraulic Pump by Comparison Method as per DKD R6 - 1	0 to 600 bar	0.4 bar
26	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool (DC Nut Runner) , Rotation: Clockwise and Counter Clockwise, (L.C.: 0.001 Nm)	Using Rotary Torque Transducer with DRO Unit by Comparison Method as per ISO 5393:2017	10 Nm to 50 Nm	2 %
27	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool (DC Nut Runner) , Rotation: Clockwise and Counter Clockwise, (L.C.: 0.01 Nm)	Using Rotary Torque Transducer with DRO Unit by Comparison Method as per ISO 5393:2017	36 Nm to 180 Nm	2 %
28	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool (DC Nut Runner) , Rotation: Clockwise, ( LC: 0.0001 Nm )	Using Rotary Torque Transducer with DRO Unit by Comparison Method as per ISO 5393:2017	0.5 Nm to 2 Nm	2.5 %
29	MECHANICAL-TORQUE GENERATING DEVICES	Rotary Torque Tool (DC Nut Runner) , Rotation: Clockwise, (L.C.: 0.0001 Nm)	Using Rotary Torque Transducer with DRO Unit by Comparison Method as per ISO 5393:2017	2 Nm to 10 Nm	2 %



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30	MECHANICAL-TORQUE GENERATING DEVICES	Torque Wrench - Type I ( Class B & C 2 ) & Type II ( Class A, B & C ) ( L.C.: 0.01 Nm )	Using Torque Transducer with DRO Unit by Comparison Method as per ISO 6789-1:2017 & 6789-2:2017	0.5 Nm to 135 Nm	3 %

\* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.