

TIWIN



A 2-year warranty applies to all
Pressure Gauges and Temperature Gauges.
Simply put we have The Best Warranty
in the industry.



Corporate Office :

Walchandnagar Industries Ltd,
Walchand House,
167 A, Karve Road, Kothrud,
Pune - 411038, Maharashtra, India
☎ +91 20 30252400/2700
✉ sales-instrumentation@walchand.com

Branch office :

Walchandnagar Industries Ltd,
201 Milap Niketan, 2nd Floor,
8-A, Bahadur Shah Zafar Marg,
New Delhi - 110002, India
☎ +91 11 23705191/92
✉ sales-instrumentation@walchand.com

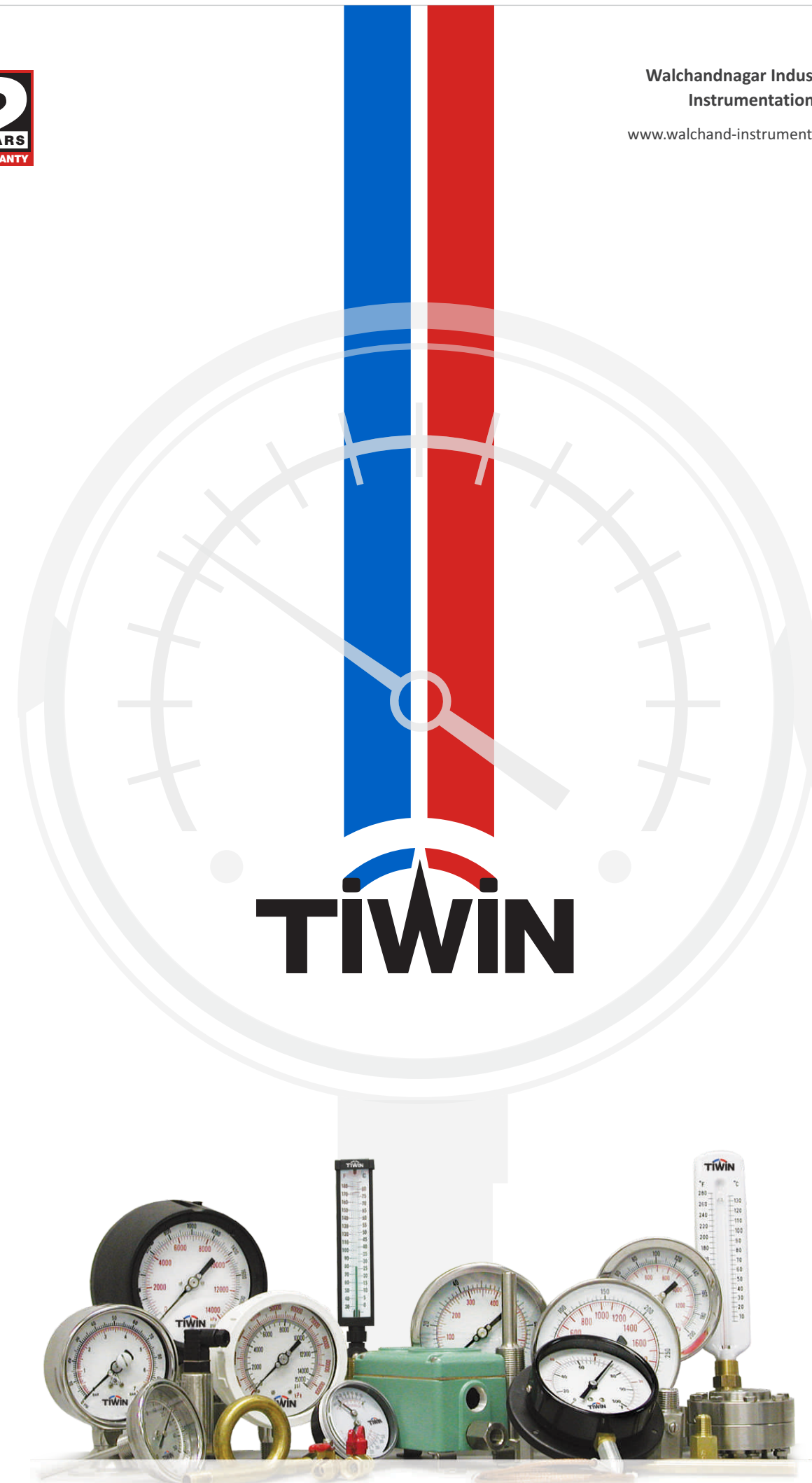
Warehouse Address :

Walchandnagar Industries Ltd,
Instrumentation Division,
Bungalow No. 3, R.S.No.72/B,
Attikolla, Dharwad - 580 003,
Karnataka, India
☎ +91 836 2448565
✉ customercare.tiwin@walchand.com

Represented by



Walchandnagar Industries Ltd.
Instrumentation Division
www.walchand-instrumentation.com



Pressure Gauges | Temperature Gauges | Pressure Transmitters
Pressure Switches | Diaphragm Seals | Accessories



TIWIN is a premium range of precision instruments from **Walchandnagar Industries Limited (WIL)**, one of India's leading heavy engineering company.

TIWIN products have superior engineering, better performance, high durability and a longer life.

TIWIN is the only brand in India to offer a **2 years warranty** on its gauges.



Certifications / Approvals



NACE

ASME

SIL APPROVED
IEC 61508-1:2011

FM

WIL Instrumentation Division

The **Instrumentation division** of WIL has more than 20 years experience in process instrumentation for various industrial applications. It caters to more than 80 leading companies across 25 industrial segments. The products are approved by more than 40 prominent consultants, OEMs, and government agencies.

Walchandnagar Industries Limited (WIL) is an ISO 9001:2008 certified company specializing in heavy engineering, hi tech manufacturing and turnkey project execution, catering to customers across the globe. Backed by a strong foundation and a century old tradition of engineering excellence. WIL is known for its pioneering achievements and for its contribution to nation building activities.



Industries Served

- Automotive
- Chemical and Petrochemical
- Food and Beverage
- HVAC / Plumbing
- Mining & Metals
- Pharmaceutical
- Pulp & Paper
- Cement
- Compressors
- Government
- Hydraulics & Pneumatics
- OEM – Oil and Gas
- Power Generation
- Water / Waste Water



Product Range

- Pressure Gauges
- Pressure Transmitters
- Pressure Switches
- Temperature Gauges
- Temperature Transmitters
- Thermowells
- Diaphragm Seals
- Accessories



Why choose TIWIN?

Pressure Gauges:

- Higher accuracy due to bigger Bourdon tube construction
- Stronger system assembly due to larger and thicker movement plates
- Increased durability due to wider temperature limit, even in adverse conditions
- Higher resistance to rapid pressure fluctuations
- Ease in installation in limited space conditions
- 360 degree rotation for easy pressure readings
- Highly robust, break-free isolation ring connection stem
- Patented "stinger" assembly with every iso ring ensures less down time
- Standard restrictor screw in industrial applications gauges

Temperature Gauges:

- Wide variety of dial sizes ranging from 1" to 6"
- Superior degree of protection with the highest IP rating of IP:68

Pressure Transmitters:

- Offers a higher operating temperature rating as (-) 40 to 135 Deg C
- Compact design (2088 mm) to ensure installation in tighter areas
- Offers higher over pressure rating of 2.5 times



T1S 100 Series



Dial Size
3.5" (90mm), 4" (100mm),
4.5" (115mm), 6" (150mm)

Tube & Socket
Phosphor bronze/brass

Connection
1/4" NPT

Range: Vac-0-5, 000 psi/Kg/cm²
Dual Scale

T3S 300 Series



Dial Size
4.5" (115mm), 6" (150mm),
8.5" (215mm), 10" (250mm)

Tube & Socket
Brass/316L SS

Connection
1/4" NPT for 600 psi or lower
½" NPT for 1,000 psi or higher

Range: Vac-0-20,000 psi/Kg/cm²
Dual Scale

T9S 90 Series



Dial Size
1.5" (40mm), 2" (50mm),
2.5" (63mm), 3.5" (90mm)

Tube and Socket
Phosphor bronze/brass

Connection
1.5" dial: 1/8" NPT
2" dial: 1/8", 1/4" NPT
2.5", 3.5" dial: 1/4" NPT

Range: Vac-0-600 psi/Kg/cm²
Dual Scale

TAG/TPG 3A Sanitary



Dial Size
2.5" (63mm),
4" (100mm)

Tube and Socket
316L SS

Connection
AISI 316 SS,
electro-polished with
1.5" or 2" Tri-Clamp®

Range: Vac-0-600 psi/Kg/cm²
Dual Scale

TAM Ammonia



Dial Size
2.5" (63mm), 3.5" (90mm),
4" (100mm), 6" (150mm),
8.5" (215mm), 10" (250mm)

Tube and Socket
316L SS

Connection
1/4" NPT

Range: Vac-0-300 psi/°C
Dual Scale

TBC Forged Brass Case



Dial Size
2.5" (63mm),
4" (100mm)

Tube and Socket
Brass

Connection
2.5" dial: 1/4" NPT
4" dial: 1/4", 1/2" NPT

Range: Vac-0-10,000 psi/Kg/cm²
Dual Scale

TCC Colour Coded



Dial Size
4" (100mm)

Tube and Socket
316L SS/phosphor
bronze/brass

Connection
1/4" or 1/2" NPT

Range: Vac-0-20,000 psi/Kg/cm²
Dual Scale

TCT Contractor



Dial Size
4.5" (115mm)

Tube and Socket
Phosphor bronze/brass

Connection
1/4" NPT

Range: Vac-0-5,000 psi/Kg/cm²
Dual Scale

TDT/TDX Duplex/Differential



Dial Size
4.5" (115mm),
6" (150mm)

Tube and Socket
316L SS/phosphor
bronze/brass

Connection
1/4" NPT

Range: 15-600 psi
Dual Scale

TEM/TEU Economy



Dial Size
1.5" (40mm), 2" (50mm),
2.5" (63mm), 4" (100mm)

Tube and Socket
Phosphor bronze/brass

Connection
1.5" dial: 1/8" NPT
2" dial: 1/8", 1/4" NPT
2.5", 4" dial: 1/4" NPT

Range:
(for TEM) Vac-0-5,000 psi/Kg/cm²
(for TEU) Vac-300 psi/Kg/cm²
Dual Scale

TET Gas or Water Test



Dial Size
Gas Test: 2" (50mm)
Water Test: 2.5" (63mm)

Tube and Socket
Phosphor bronze/brass

Connection
Gas Test: 3/4" FNPT
Water Test: 3/4" female swivel
hose

Range: 0-300 psi/Kg/cm²
Dual Scale

TFP Premium LF



Dial Size
2.5" (63mm), 4" (100mm),
6" (150mm), Bayonet ring

Tube and Socket
316 SS

Connection
2.5" dial: 1/4" NPT
4", 6" dial: 1/4", 1/2" NPT

Range: Vac-0-20,000 psi/Kg/cm²
Dual Scale

TQP Liquid Filled



Dial Size
1.5" (40mm), 2" (50mm),
2.5" (63mm), 4" (100mm),
Crimped ring

Tube and Socket
316 SS/brass

Connection 1.5" dial: 1/8" NPT
2" dial: 1/8", 1/4" NPT
2.5" dial: 1/4" NPT, 7/16"-20 SAE
4" dial: 1/4", 1/2" NPT

Range: Vac-0-15,000 psi/Kg/cm²
Dual Scale

TLP Low Pressure



Dial Size
2.5" (63mm), 4" (100mm),
4.5" (115mm), 6" (150mm)

Tube and Socket
316 SS/brass

Connection
1/4" NPT

Range: Vac-0-10 psi/Kg/cm²
Dual Scale

TMN Mining



Dial Size
2" (50mm)
Triple color scale

Tube and Socket
Brass

Connection
3/8" Steck-O connection with
Buna Sealing O-ring and
Viton washer

Range: 0-9,000 psi/Kg/cm²
Dual Scale

TN2 NACE - MR0175-2002



Dial Size
4" (100mm)

Tube and Socket
316 SS

Connection
1/4" or 1/2" NPT

Range: Vac-0-20,000 psi/Kg/cm²
Dual Scale

TPC Process



Dial Size
4.5" (115mm)

Tube and Socket
316L SS/phosphor
bronze/brass

Connection
1/4" or 1/2" NPT

Range: Vac-0-20,000 psi/Kg/cm²
Dual Scale

TPS StabilizR™



Dial Size
2.5" (63mm)

Tube and Socket
phosphor bronze/brass

Connection
1/4" or NPT

Range: Vac-0-10,000 psi/Kg/cm²
Dual Scale

TRC Receiver



Dial Size
4.5" (115mm)

Tube and Socket
316L SS

Connection
1/4" or 1/2" NPT

Range: 3-27 psi
Dual Scale

TRL Regulator



Dial Size
1.5" (40mm),
2" (50mm)

Tube and Socket
316 SS

Connection
1.5" dial: 1/8" NPT
2" dial: 1/8", 1/4" NPT

Range: Vac-0-3,000 psi/Kg/cm²
Dual Scale

TSB Premium StabilizR™



Dial Size
2.5" (63mm),
4" (100mm)

Tube and Socket
316 SS

Connection
2.5" dial: 1/4" NPT
4" dial: 1/4", 1/2" NPT

Range: Vac-0-20,000 psi/Kg/cm²
Dual Scale

TSC Safety Case



Dial Size
4" (100mm), 4.5 (115mm),
6" (150mm)

Tube and Socket
316L SS

Connection
1/4" or 1/2" NPT

Range: Vac-0-20,000 psi/Kg/cm²
Dual Scale

TSP Spiral Tube



Dial Size
1" (25mm), 1 1/8" (30mm),
1.25" (32mm), 1.5" (40mm)

Tube and Socket
304 SS/beryllium copper/brass

Connection
1/8" NPT

Range: 0-5,000 psi

TST StabilizR™ Premium



Dial Size
2.5" (63mm), 4" (100mm)

Tube and Socket
316 SS

Connection
2.5" Dial: 1/4" NPT
4" Dial: 1/4" / ½"NPT

Range: Vac-0-20,000 psi/Kg/cm²
Dual Scale

TTG Test



Dial Size
4" (100mm), 6" (150mm),
Mirror band for precise reading

Tube and Socket
316 SS/brass

Connection
1/4" or 1/2" NPT

Range: Vac-0 -10,000 psi/Kg/cm²
Dual Scale

TTS Tube Stub



Dial Size
2.5" (63mm)

Tube and Socket
316L SS

Connection
1/4" tube stub

Range: Vac-0-5,000 psi/Kg/cm²
Dual Scale

TWL Welding






















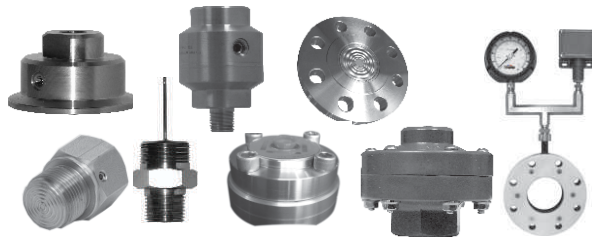
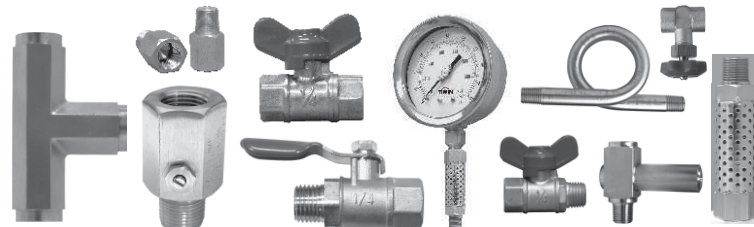


Dial Size
2" (50mm),
2.5" (63mm)

Tube and Socket
Phosphor bronze/brass

Connection
1/4" NPT

Range: 0-4,000 psi /Kg/cm²
Dual Scale

Temperature Gauges				Pressure Transmitters															
																			
<div>WAG/WAS Industrial</div> <div></div> <div>Dial/Scale HVAC TAG: 4.5”(115mm), 6”(150mm) Industrial TAS: 5” (125mm)</div> <div>Sensing Element Brass</div> <div>Bulb/StemLength 3.5” (90mm), 6” (150mm)</div> <div>Accuracy: ±2% full scale</div>	<div>TBT Bi-metal</div> <div></div> <div>Dial/Scale 1” (25mm), 2” (50mm), 3” (75mm), 4” (100mm), 5” (125mm), 6” (150mm)</div> <div>Sensing Element SS</div> <div>Bulb/StemLength 2.5” (63mm) - 48” (1219mm)</div> <div>Accuracy: ±1% full scale</div>	<div>WBT HVAC Bi-metal</div> <div></div> <div>Dial/Scale 3.5”(90mm)</div> <div>Sensing Element Brass</div> <div>Bulb/StemLength 2” (50mm)</div> <div>Accuracy: ±2% full scale</div>	<div>TRD Industrial RTD</div> <div></div> <div>Dial/Scale NA</div> <div>Sensing Element SS</div> <div>Bulb/StemLength 2.5” (63mm) - 6” (150mm)</div> <div>Accuracy: ±0.12% at 32°F (0°C)</div>	<div>TPT1 Series Transmitter</div> <div></div> <div>Features: Can be utilized in many applications. Rugged stainless steel, CE, CSA, NEMA 4X, ±0.5% accuracy</div> <div>Applications: Industrial machinery, pumps, hydraulics & pneumatics, compressor controls, boilers, chillers, AC & refrigeration</div> <div>Range: Low, Compound & Gauge Pressure up to 600 Bar</div>	<div>TPT1S Intrinsically Safe Transmitter</div> <div></div> <div>Features: Intrinsically safe design for hazardous areas. Rugged stainless steel, CE, CSA, NEMA 4X ±0.25% accuracy</div> <div>Applications: Appropriate for all hazardous areas where an intrinsically safe rating is required</div> <div>Range: Low Compound & Gauge Pressure up to 600 Bar</div>	<div>TPT6 Submersible Transmitter</div> <div></div> <div>Features: Designed to provide continuous depth level and measurement, CSA, ±0.1% accuracy</div> <div>Applications: Level and depth measurement, waste water treatment, irrigation systems, environmental monitoring</div> <div>Range: Up to 300 psi</div>	<div>TPT Sanitary Transmitter</div> <div></div> <div>Features: Meets 3A standards for food & beverage processing, dairy & pharmaceutical environments. 3A, CE, ±0.25% accuracy</div> <div>Applications: Food and beverage processing, dairy, pharmaceutical, liquid level control</div> <div>Range: Up to 1,000 psi</div>												
Pressure Switches																			
<div>WIM Industrial 9IT</div> <div></div> <div>Dial/Scale 9” (229mm)</div> <div>Sensing Element Brass</div> <div>Bulb/StemLength 3.5” (90mm), 6” (150mm)</div> <div>Accuracy: ±1% full scale</div>	<div>WIR Bi-metal with RTD</div> <div></div> <div>Dial/Scale 3” (75mm)</div> <div>Sensing Element SS</div> <div>Bulb/StemLength 2.5” (63mm) - 9” (229mm)</div> <div>Accuracy: ±1% full scale</div>	<div>WNC Noc-Contact</div> <div></div> <div>Dial/Scale LCD size: 1.125” (30mm) x 0.75” (19mm)</div> <div>Sensing Element SS</div> <div>Accuracy: ±2% of reading</div>	<div>WRR Remote Reading</div> <div></div> <div>Dial/Scale 2.5” (63mm), 3.5” (90mm), 4” (100mm), 4.5” (115mm), 6” (150mm), 8.5” (215mm)</div> <div>Sensing Element SS/brass</div> <div>Bulb/StemLength 6” (150mm)</div> <div>Accuracy: Gas actuated: ±0.5% full scale Vapour actuated: ±2% full scale</div>	<div>T2PS Pressure Switch</div> <div></div> <div>Features: Snap-action pressure switch. Standard construction features a rugged aluminum bar stock body/base. Constructed with materials that make it compatible with most liquids & gases. 1/2” NPT conduit, 1/4” NPT pressure port</div> <div>Applications: Tank and compressor level and precision control, hydraulic systems, pumping controls, hazardous area lift station controls, good for low and high pressure</div> <div>Range: Up to 3,000 psi</div>	<div>T5PS Pressure Switch</div> <div></div> <div>Features: Tandem settings, independent adjustment for highlow operation, adjustable switch differential and manual resets on increasing or decreasing pressures</div> <div>Applications: Systems that require a heavy-duty switch, pumping stations, ideal for high/low level control (requiring dual elements)</div> <div>Range: Up to 5,000 psi</div>	<div>T6PS Pressure Switch</div> <div></div> <div>Features: Up to four independently adjustable set points. NEMA 4X and 12 or NEMA 7 and 9 enclosures. 3/4” NPT conduit, 1/4” NPT pressure port</div> <div>Applications: Multiple tank or pump controls, alarm purposes</div> <div>Range: Up to 300 psi</div>	<div>T7PS Pressure Switch</div> <div></div> <div>Features: Designed for low pressure applications. Housing can be watertight or explosion-proof, and can accommodate 4 contacts</div> <div>Applications: Designed for low pressure applications, gas installations, HVAC, high/low alarms</div> <div>Range: Up to 150 wc</div>												
Diaphragm Seals				Accessories															
<div>WSD/WHS Solar Digital</div> <div></div> <div>Dial/Scale Solar Digital THS: LCD size: 2.25” (57mm) x 2.25” (57mm) Solar Digital Bi-metal WHS: 3” (75mm)</div> <div>Sensing Element THS: Brass WHS: SS</div> <div>Bulb/StemLength THS: 3.5” (90mm) WHS: 2.5” (63mm) - 24” (600mm)</div> <div>Accuracy: Accuracy ±1 of reading</div>				<div>WSW Hot Water</div> <div></div> <div>Dial/Scale Dial: 2” (50mm), 2.5” (63mm) Scale: 8” (200mm)</div> <div>Sensing Element Brass</div> <div>Bulb/StemLength Dial: 1.5” (40mm) Scale: 2.5” (63mm)</div> <div>Accuracy: ±1% full scale</div>				<div>WTD Tridicator</div> <div></div> <div>Dial/Scale 2.5” (63mm), 3” (75mm)</div> <div>Sensing Element Brass</div> <div>Bulb/StemLength 2.5” (63mm): 2.15” (55mm) stem 3” (75mm): 2.75 (70mm) stem</div> <div>Accuracy: Pressure: ±3-2-3% Temperature: ±3% full scale</div>				<div></div> <div>Features: Available in 1 or 2 piece construction. Various types of materials, housing and diaphragms available. Flanges available in all sizes</div> <div>Ranges: TD10 Vac-0-200 psi TD15 50-5,800 psi TD20 30-600 psi TD30 1,000-6-000 psi TD40 15-1,000 pis TD44 Vac-1-2,500 psi TD46 30-1,300 psi TD50 100-1,000 psi TD70 Vac-0-2,000 psi TD71 30-2,500 psi TD85 30-600 psi TD90 30-600 psi</div>				<div></div> <div>Features and Ranges: TNV Brass Needle Valve: 1/4” NPT FxF, 400 psi TVA Stainless Steel Needle Valve: 316 SS or carbon steel body, 1/4” or ½” NPT FxF, MxF Soft seat: 6,000 psi Hard seat: 10,000 psi TOP Over Pressure Protector: 1/4” or ½”NPT Bellows type: 3-20 psi to 15-90 psi Piston type: 90-230 psi to 1,450-5,800 psi TSN Snubber: Brass or stainless steel 1/4” or ½” NPT Brass: 10,000 psi Stainless steel: 20,000 psi TSP Syphon: Steel, brass or ss, 1/4” or ½” NPT 3.200 psi TMV Mini Ball Valve: Brass, 1/4” NPT FxF, MxF, 400 psi TTP Test Plug: Brass, 1/4” or specifications ½” NPT, 1,000 psi TCT Cooling Tower: 316 SS 1/4” or NPT MxF, 1,500 psi Thermowell: Bi-metal, Sanitary, Scotket-weld, Weld-in, Flanged, Stepped, Tapered Custom Dials: All custom dials are manufactured to meet your specifications More accessories are available. Please contact us for a full list of products.</div>			