



Excellence Since 1953



WASTEWATER PRODUCTS

Waste Water Treatment Product Selection



PPC Process Gauge

The PPC Series gauge is a durable gauge with a phenolic solid front and pressure relief back safety case. Use the PPC in situations where user safety is a must such as in the presence of contaminated media.

Dial Size	4.5"
Case	Black phenolic with pressure relief back, solid front, integral back flange
Accuracy	±0.5% ANSI/ASME Grade 2A
Range	Vac to 20,000 psi
Connection	1/4" or 1/2" NPT bottom or back, brass* or SS



PPC-ZR StabilizR® Process Gauge

The PPC-ZR StabilizR® gauge dampens movement and minimizes the effects of pulsation and vibration without liquid filling. Ideal for processes where chemical compatibility and vibration are a concern.

Dial Size	4.5"
Case	Black phenolic with pressure relief back, solid front, integral back flange
Accuracy	±0.5% ANSI/ASME Grade 2A
Range	Vac to 20,000 psi
Connection	1/4" or 1/2" NPT bottom or back, brass* or SS



PFP Premium Stainless Steel Liquid Filled Gauge

This gauge features a pulsation resistant, liquid filled stainless steel case with either brass* or stainless steel internals. Ideal for use outdoors or in severe ambient and process conditions.

Dial Size	2.5", 4", 4.5" or 6", panel mount
Case	AISI 304 SS
Accuracy	2.5" ±1.5%, 4" to 6" ±1% ANSI/ASME Grade 1A
Range	Vac to 40,000 psi
Connection	1/4" and 1/2" NPT - bottom, centre and lower back, high pressure and 9/16"



PFP-ZR Premium Stainless Steel StabilizR® Gauge

PFP-ZR utilizes a precision designed dampening mechanism to minimize the effects of pulsation and vibration. The gauge is suited for applications where corrosiveness and pulsation are a concern.

Dial Size	2.5", 4" or 6"
Case	AISI 304 SS
Accuracy	2.5" ±1.5% of full scale, 4" and 6" ±1% ANSI/ASME Grade 1A
Range	Vac to 20,000 psi
Connection	2.5": 1/4" NPT, 4" and 6": 1/4" or 1/2" NPT, SS



PFQ Stainless Steel Liquid Filled Gauge

The PFQ Series gauge is a durable stainless steel gauge that can withstand pulsation and vibration, making it an ideal choice for pumps, compressors and motors operating in harsh environments.

Dial Size	1.5", 2", 2.5" or 4"
Case	AISI 304 SS
Accuracy	1.5" and 2" ±2.5% of full scale, 2.5" and 4" ±1.5% of full scale
Range	Vac to 15,000 psi
Connection	1/8", 1/4" and 1/2" NPT bottom or back or 7/16"-20 SAE bottom, brass* or SS



PDT Differential Gauge

This gauge uses brass or stainless steel wetted parts and is available with conventional or balanced scales. The PDT is typically used to measure pressure drops across filters, pumps or other equipment.

Dial Size	4.5" or 6"
Case	Aluminum, painted black
Accuracy	±1% ANSI/ASME Grade 1A
Range	0 to 600 psi
Connection	1/4" NPT bottom or back, brass* or SS



DPG Digital Pressure Gauge

DPG is a simple to use digital pressure gauge with stainless steel wetted parts including a 316L welded diaphragm. It is ideal for test measurement and general purpose commercial and industrial applications.

Dial Size	2.5"
Case	ABS (IP60) with a protective silicone rubber boot.
Accuracy	±1% (±0.5% optional for gauges up to 5,000 psi)
Range	Vac to 15,000 psi
Connection	1/4" NPT bottom, SS



LE3 General Purpose Transmitter

LE3 is a compact general industry stainless steel transmitter suitable for outdoor use. Its wide variety of mechanical and electrical connections makes it ideal for pump and compressor monitoring.

Output	2-wire 4-20 mA
Housing	304 SS
Accuracy	±0.5% FSO
Range	Vac to 5,000 psi
Sensor	Ceramic



LM6 All Stainless Steel Submersible Transmitter

LM6 is designed for continuous level measurement in water or other liquids with low viscosity. Typical installations include ground or tank level monitoring of water and sewage treatment measurement.

Output	2-wire 4-20 mA
Housing	316L SS
Accuracy	±0.35% FSO
Range	50"H ₂ O to 300 psi
Sensor	Stainless steel



LM1 Anti-Clogging Submersible Transmitter

LM1 is a submersible transmitter with a built-in anti-clogging device to resist damage from floating solids. It is internally protected against lightning and includes a dual seal for increased environmental durability.

Output	2-wire 4-20 mA
Housing	316L SS
Accuracy	±0.5% FSO (±0.25% FSO optional)
Range	5 to 50 psi (higher ranges also available)
Sensor	316L

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WinSMART™ LY16 Pressure Transmitter

LY16 is a high-powered smart transmitter with hazardous approvals and broad accuracy classes, able to handle all pressure measurement requirements.

Output	4/20mA, 1/5VDC, Modbus RS485, 4/20mA + HART®
Housing	Die-cast aluminum, painted blue
Accuracy	0.5%, 0.2%, 0.1%, 0.075%, 0.05%
Range	-14.5 psi up to 14,500 psi
Sensor	316 SS



WinSMART™ LY36 Differential Pressure Transmitter

LY36 smart differential pressure transmitter can handle low and high pressure requirements and is equipped with hazardous approvals. Differential pressure transmitters measure pressure drops across orifices and can also monitor flow and level.

Output	4/20mA, 1/5VDC, Modbus RS485, 4/20mA + HART®
Housing	Die-cast aluminum, painted blue
Accuracy	0.075% , 0.05%
Range	-24"H ₂ O up to 1,450 psi
Sensor	316 SS



PEC Premium Stainless Steel Gauge with Electrical Contacts

PEC is a premium gauge with independently adjustable electrical contacts rated up to 1 amp at 220-338 VAC. The gauge is installed in applications where electrical switching is required with local indication.

Dial Size	4"
Case	304 SS
Accuracy	±1%
Range	Vac to 10,000 psi
Connection	1/4" NPT bottom, SS



2WPS General Purpose Pressure Switch

General Purpose, watertight pressure switch NEMA 4, 4X & IP66 rated. Available with high current ratings and fixed or adjustable deadband options.

Housing	Die cast aluminum construction
Wetted Parts	Stainless steel welded seal
Range	10-4,000 psi (0.7-275 Bar)
No. of Contacts	1 x SPDT or 2 x SPDT (only 1 x SPDT available for Adjustable Deadband range)
Accuracy	1%



6WPS Low Pressure Diaphragm Pressure Switch

Heavy-Duty, explosion proof pressure switch IP68 rated. Available with high current ratings and fixed or adjustable deadband options.

Housing	Anodized aluminum
Wetted Parts	Stainless steel welded seal
Range	10-4,000 psi (0.7-275 Bar)
No. of Contacts	1 x SPDT or 2 x SPDT (only 1 x SPDT available for Adjustable Deadband range)
Accuracy	1%

D40 Medium Duty Diaphragm Seal

This compact lightweight diaphragm seal is ideally suited for applications where space limitations exist. This diaphragm seal is primarily utilized to protect gauges and transmitters from corrosive media.



Housing	AISI 316 SS
Diaphragm	AISI 316L SS, welded
Min. Pressure	30 psi
Max. Pressure	1,000 psi
Connection	1/4" and 1/2" NPT female or male

D70 Heavy Duty Diaphragm Seal

The D70 is found in applications where process fluids are corrosive or viscous and could damage instrumentation. An optional flushing connection is available to prevent clogging of the seal.



Housing	316L SS, Monel®, Hastelloy® C
Diaphragm	316L SS, Monel®, Hastelloy® C, FKM
Min. Pressure	30 psi
Max. Pressure	2,500 psi
Connection	1/4", 1/2", 3/4" and 1" NPT bottom, 1/4" and 1/2" top

D81 Isolation Ring

D81 is an in-line diaphragm seal that is available in a variety of configurations to fit specific applications. The wafer style isolation ring makes the D81 ideal for measuring the pressure of viscous or solid media.



Housing	Carbon Steel, 316 SS, Acetal, others available
Diaphragm	EPDM, Neoprene, Nitrile, Natural Rubber and others available
Min. Pressure	Vacuum
Max. Pressure	1,000 psi
Connection	1/4" and 1/2" NPTF gauge ports, 1"-42" pipe sizes, (consult factory for larger sizes) *Tee fitting also available

NVA Needle Valve

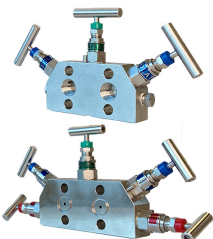
NVA Needle Valves come in straight, angle body, multiport or block & bleed, hard or soft seat, carbon or stainless steel with a NACE option. They provide excellent flow regulation and are leak tight.



Body	Carbon steel or stainless steel with or without NACE
Seat	Hard or soft seat
Max. Pressure	6,000 or 10,000 psi
Connection	1/4", 3/8", 1/2", 3/4" and 1" NPTF and NPTM connection options

MVA 3 & 5 Handle Manifold

Manifold valves are designed to be perfectly installed with Winters LY36 Series differential transmitter and are critical in process and industrial environments for the enabling of shut-downs for the testing, repair and upgrading of instruments.



Body	Stainless Steel
Connections	1/2" NPTF x 1/2" NPTF
Pressure	6,000 psi (41,368 kPa) (hard seat)
Needle / Needle Tip	Stainless Steel
Stem O-rings	PTFE/Graphite (Graphite is used for high temperature applications)

Waste Water Treatment Product Selection



TBM Bi-Metal Thermometer

This industrial grade thermometer uses a bi-metallic sensing element for reliable temperature readings. All models are hermetically sealed and fully moisture and water proof.

Dial Size	1" to 6"
Case	AISI 304 SS
Accuracy	±1% of full scale
Range	-100°F to 1,000°F (-70°C to 550°C)
Connection	1/4" and 1/2" NPT bottom, back and adjustable angle



TRR Remote Reading Thermometer

TRRs are heavy duty gas or vapour filled thermometers for remote reading installations. This product is available for immediate delivery off-the-shelf and non-standard configurations are made-to-order.

Dial Size	2.5", 3.5", 4", 4.5", 6" or 8.5"
Case	2.5": 316 SS, 3.5" and 4": steel painted black, others are aluminum painted black
Accuracy	Gas ±0.5% of full scale value, Vapour ±2% of full scale value
Range	-40°F to 1,000°F (-40°C to 537°C)
Connection	1/2" bulb diameter brass* or SS



WinSMART™ TY52 Temperature Transmitter

Equipped with a PT100 RTD, TY52 can handle many different smart temperature reading applications from hazardous to general purpose areas.

Output	4/20mA, 1/5VDC, Modbus RS485, 4/20mA + HART®
Housing	Die-cast aluminum, painted blue
Accuracy	0.5%
Range	-50 up to 400°C / -58 up to 752°F



TBR Bi-Metal Threaded Thermowell

The TBR is standard in a "stepped construction" and available in a variety of custom configurations. Use to protect TBM thermometers from media or to allow for maintenance without shutting down a system.

Material	Brass*, AISI 304 SS, AISI 316 SS, other materials available upon request
Bore	.260" standard
Length	2.5", 4", 6", 9", 12" or 15"
Process Connect.	3/4", 1/2" or 1" standard, other thread sizes available upon request
Therm. Connect.	1/2" NPT female, other thread sizes available upon request



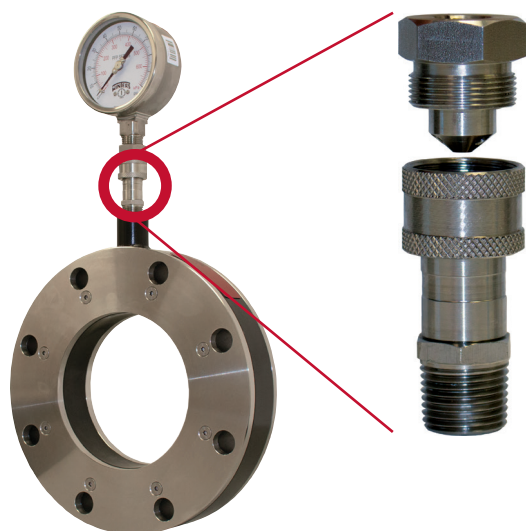
TWF Bi-Metal Thermowell

The TWF thermowell is designed for use on a closed system. It is used to protect temperature sensor from process media and to allow for replacement without requiring shut-down of the system.

Material	304 SS or 316 SS
Bore	.260"
Length	4", 6", 9", 12" or 15"
Process Connect.	1", 1.5" or 2" flange
Therm. Connect.	1/2" NPT female

Winters D81 Isolation Ring

Winters D81 Isolation Ring provides a clog-free method of measuring the pressure of media containing solids. The flanged pipe connection provides accurate measurement while minimizing the amount of weight added to the system. A unique WinCONNECT fitting provides quick replacement of instrumentation, minimizing system down-time.



Description and Features:

- ✓ Pressure measurement with no clogging
- ✓ WinCONNECT fitting allows pressure instruments to be shipped separately preventing damage in transit
- ✓ Quick field replacement without tools eliminates system down-time and leakage
- ✓ Tee fittings can be used so multiple instruments can be installed on the same ring
- ✓ Isolation ring works with 150# and 300# flanges




A 5-year warranty applies to all instrumentation and instrumentation accessories.

Winters Instruments' products are warranted for a stated period of time (see above) after date of purchase against manufacturing and materials defects. Any product which is found by Winters to be defective will be replaced at Winters' discretion. Winters' product warranty does not cover product defects resulting from improper product selection, misuse or misapplication EXCEPT AS SPECIFICALLY SET FORTH IN THIS WARRANTY. WINTERS INSTRUMENTS MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, WHETHER EXPRESSED OR IMPLIED, TO PURCHASER OR ANY OTHER PERSON WITH RESPECT TO ANY OF THE PRODUCTS. WITHOUT LIMITING THE GENERALITY OF THE PRECEDING SENTENCE, WINTERS INSTRUMENTS DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Any liability from Winters to Purchaser or any other person or entity pursuant to this Warranty, whether for a claim in tort, for breach of contract or otherwise, shall not exceed the purchase price of the Product giving rise to such liability. Winters shall in no event have any liability to Purchaser or any other person or entity for any consequential, indirect, punitive or special damages (including, without limitation, lost profits) pursuant to this Warranty or pursuant to its sale of the Products, even if the possibility of such damages could have been foreseen by Winters Instruments.

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Viton® is a registered trademark of DuPont Performance Elastomers

*  **WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WINTERS INSTRUMENTS

MANUFACTURER OF INDUSTRIAL INSTRUMENTATION



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