

TEXAS SAMPLING INCORPORATED



C L O S E D L O O P S A M P L I N G S Y S T E M S



Custom is Our Standard.

TEXAS SAMPLING, INC. MANUFACTURES CUSTOMIZED CLOSED-LOOP SAMPLING SYSTEMS DESIGNED FOR USE IN INDUSTRIAL ENVIRONMENTS. WE TAKE PRIDE IN PRODUCING QUALITY PRODUCTS THAT MEET OR EXCEED THE CUSTOMER'S SPECIFICATIONS AND NEEDS. SINCE NO TWO SAMPLING APPLICATIONS ARE EXACTLY ALIKE, MANY PRODUCTS THAT LEAVE OUR DOORS ARE ONE OF A KIND. ALL OF OUR SYSTEMS ARE CUSTOM DESIGNED AND MANUFACTURED IN-HOUSE BY A DEDICATED STAFF OF ENGINEERS, TECHNICIANS, AND SUPPORT SERVICES USING THE LATEST TECHNIQUES IN QUALITY CONTROL. OUR SALES REPRESENTATIVES ARE LOCATED THROUGHOUT THE UNITED STATES AND IN MANY FOREIGN COUNTRIES, SO ACCESS TO OUR PRODUCTS AND SERVICES IS ALWAYS EASY. HERE AT TEXAS SAMPLING, WE'VE BUILT OUR REPUTATION ON OUR QUALITY PRODUCTS, SUPERB SERVICE, AND OUR COMPANY-WIDE PHILOSOPHY:



Why Closed-Loop Sampling?

- EXCELLENT SAMPLE QUALITY
- PROVIDES OPERATOR SAFETY
- PREVENTS EMISSIONS

Why Texas Sampling, Inc.?

- ZERO DEAD VOLUME SAMPLING
- COMPLETE SYSTEMS EXPERTISE
- CUSTOMIZED SYSTEMS
- BOTTLE VERSATILITY
- REPLACEABLE NEEDLES
- PROCESS NEEDLE PURGE
- USER-FRIENDLY
- EASY MAINTENANCE

Customer Satisfaction Is Number One.

TODAY'S EPA REGULATIONS MANDATE THE USE OF THE MOST ENVIRONMENTALLY-SAFE SAMPLING SYSTEMS AVAILABLE. TEXAS SAMPLING'S EMISSION-FREE, ZERO DEAD VOLUME SAMPLING SYSTEMS MEET THESE STRICT EPA REQUIREMENTS THROUGHOUT THE SAMPLE VALVE ASSEMBLY, WHILE ALLOWING FOR A CLEAN AND ACCURATE SAMPLE. BUT THIS IS ONLY PART OF THE PICTURE. ENSURING MAXIMUM OPERATOR SAFETY IS OF THE UTMOST IMPORTANCE, AND WE'VE MADE IT A TOP PRIORITY HERE AT TEXAS SAMPLING. OURS IS A HANDS-ON APPROACH. OUR REPRESENTATIVES WORK CLOSELY WITH THE CUSTOMER IN THE FIELD TO IDENTIFY INDIVIDUAL SAFETY NEEDS, THEN THE TEXAS SAMPLING DESIGN TEAM ENGINEERS A SOLUTION THAT SATISFIES ALL THE CUSTOMER'S REQUIREMENTS. TEXAS SAMPLING IS DEDICATED TO PROVIDING A REPETITIVE QUALITY SAMPLE, TO REDUCING EMISSIONS, AND TO CREATING SAFE CONDITIONS IN WHICH TO WORK.

MANUAL CONTINUOUS SAMPLING SYSTEMS

- Closed Loop
- Cost Effective
- Minimal Maintenance
- Simple to Operate

TEXAS SAMPLING'S MANUAL CONTINUOUS SAMPLE SYSTEM FULFILLS A VARIETY OF SAMPLING NEEDS. OUR LOWEST-PRICED BASIC SYSTEM, THE MANUAL CONTINUOUS SAMPLE SYSTEM, IS A CLOSED-LOOP SAMPLER THAT IS IDEAL FOR MINIMAL PRESSURE AND TEMPERATURE APPLICATIONS. ALL MANUAL CONTINUOUS SAMPLING SYSTEMS COLLECT EMISSION-FREE, REPRESENTATIVE SAMPLES OF PROCESS WHILE ENSURING OPERATOR SAFETY. EASY TO INSTALL AND SIMPLE TO OPERATE, THE SAMPLE IS DISPENSED INTO THE SAMPLE BOTTLE BY MERELY TURNING A VALVE. PROCESS PRESSURE FORCES THE SAMPLE THROUGH OUR PATENTED VALVE DESIGN INTO THE BOTTLE, AND WITH PROCESS NEEDLE PURGE, ZERO DEAD VOLUME IS ENSURED THROUGHOUT THE SAMPLE VALVE ASSEMBLY.

WHAT IS PROCESS NEEDLE PURGE (PNP)?

PROCESS NEEDLE PURGE REFERS TO THE SYSTEM CLEAN-OUT AFTER THE SAMPLE HAS BEEN COLLECTED. PRESSURIZED NITROGEN REMOVES THE SAMPLE FROM THE PROCESS NEEDLE, ELIMINATES PLUGGING OF ALL COMPONENTS, ALLOWS THE OPERATOR TO CHECK THE STATUS OF THE SYSTEM, AND PROVIDES A CLEAN, REPRESENTATIVE SAMPLE.



MD - Flow Thru

TEXAS SAMPLING'S MD - FLOW THRU SYSTEM CONSISTS OF A SAMPLE VALVE THAT ALLOWS FOR CONTINUOUS FLOW THROUGH A 1" OR SMALLER ORIFICE. THE RISING STEM SAMPLE VALVE ALLOWS THE OPERATOR TO CONTROL THE FLOW OF THE SAMPLE BEING DISPENSED INTO THE SAMPLE BOTTLE. THIS SYSTEM IS USED FOR BOTH HIGH AND LOW PRESSURES AND TEMPERATURES WHERE CONTINUOUS FLOW IS DESIRED OR VISCOUS PROCESS IS ENCOUNTERED.



MH - Manual Continuous

THE MH - MANUAL CONTINUOUS SYSTEM FEATURES A CUSTOMIZED, QUARTER TURN, THREE-WAY BALL VALVE WITH AN ORIFICE THAT ALLOWS CONTINUOUS FLOW DURING THE SAMPLING PROCESS. THE MH SAMPLE SYSTEM IS TYPICALLY USED FOR LOW PRESSURE AND TEMPERATURE APPLICATIONS WITH A RETURN OF PROCESS.



MB - Close Coupled With Blowback

THE CLOSE-COUPLED BLOWBACK SYSTEM IS VERY VERSATILE. TEXAS SAMPLING'S MB SYSTEM IS DESIGNED WITH THE CAPABILITY TO BLOW STATIC PRODUCT BACK INTO THE PROCESS BEFORE A SAMPLE IS OBTAINED. PROCESS NEEDLE PURGE (PNP) IS USED TO REMOVE ALL RESIDUAL PROCESS FROM THE VALVE. TANK FARMS AND PIPELINES WITHOUT SAMPLE RETURN ARE IDEAL APPLICATIONS FOR THIS TYPE OF SAMPLE SYSTEM.



MR - Close Coupled Ram

TEXAS SAMPLING CUSTOMIZES "RAM" TYPE VALVES TO ALLOW PROCESS TO BE CAPTURED IN A CLOSED SAMPLE BOTTLE. WITH THIS CUSTOMIZATION, EXISTING OR NEW RAM VALVES MEET EPA GUIDELINES. IN ADDITION TO HAVING PNP, THE MR VALVE CAN BE EQUIPPED WITH FLUSH AND PURGE TO REMOVE ANY RESIDUAL PROCESS FROM THE VALVE AND NEEDLE ASSEMBLY. THE SYSTEM CAN BE USED IN TANKS AND PIPELINES WITH HIGH VISCOSITY PROCESS STREAMS.



Manual Fixed Volume Sample System

- Fixed Sample Size 1 cc to 1 gallon
- Acceptable for Low or High Pressures
- Wide Variety of Materials Available
- Simple Operation

MANUAL FIXED VOLUME

WITH PROCESS NEEDLE PURGE

TEXAS SAMPLING'S MANUAL FIXED VOLUME SYSTEMS ARE CLOSED-LOOP SAMPLE SYSTEMS DESIGNED TO TAKE A SPECIFIED AMOUNT OF SAMPLE. THIS AMOUNT CAN BE VARIED ACCORDING TO THE DESIGN REQUIREMENTS. THESE SYSTEMS ARE DESIGNED FOR USE IN BOTH LOW AND HIGH PRESSURE APPLICATIONS, IN TANKS AND PIPELINES AND WITH A WIDE VARIETY OF VISCOSITIES. HERE'S HOW IT WORKS. A FIXED AMOUNT OF SAMPLE IS ISOLATED FROM THE PROCESS, THEN LOW PRESSURE NITROGEN IS USED TO BLOW THE SAMPLE DOWN INTO THE SAMPLE CONTAINER. PROCESS NEEDLE PURGE REMOVES ANY RESIDUAL SAMPLE. AS ALWAYS, THIS SYSTEM CAN BE CUSTOMIZED TO MEET THE CUSTOMER'S NEEDS. FOR INSTANCE, A FIXED-VOLUME COOLER MAY BE ADDED THAT COOLS HIGH TEMPERATURE PROCESS BEFORE BEING DISPENSED INTO THE BOTTLE. TEXAS SAMPLING CAREFULLY EVALUATES EACH SITUATION AND APPLICATION, CUSTOMIZING EVERY SAMPLING SYSTEM APPROPRIATELY.



S a m p l e S y s t e m s

AUTO FIXED VOLUME

THE AUTO FIXED VOLUME SAMPLE SYSTEM IS SIMPLE TO OPERATE AND IS AN EXCELLENT CHOICE FOR HIGH OR LOW PRESSURE LIQUIDS. SAMPLING INTERVALS CAN BE BASED ON TIME OR FLOW RATE USING A PLC, AND SINGLE OR MULTIPLE SAMPLE BOTTLES CAN BE USED. THE AUTO FIXED VOLUME SYSTEM COLLECTS THE SAME AMOUNT OF SAMPLE EACH TIME, SO WASTE IS ELIMINATED. THE SYSTEM TAKES THE EXACT AMOUNT OF SAMPLE NEEDED FROM THE PROCESS, ISOLATES THE SAMPLE BETWEEN TWO AUTOMATED VALVES, THEN USES LOW PRESSURE AIR OR NITROGEN TO BLOW THE SAMPLE DOWN INTO THE SAMPLE CONTAINER. THE AUTO FIXED VOLUME SYSTEM PROVIDES MAXIMUM SAFETY TO THE OPERATOR BY ELIMINATING ALL FUGITIVE EMISSIONS AND BY PREVENTING OVERFILLING OF THE SAMPLE CONTAINER. THE AUTO FIXED VOLUME DESIGN CAN BE CUSTOMIZED TO MEET THE CUSTOMER'S REQUIREMENTS.

- Operator Selectable Sample Intervals
- Simple Automated Operation
- Multiple Electrical Class Ratings
- Accurate Representative Sample of Process



Auto Fixed Volume Sample System



LPG SAMPLER

OUR LPG SAMPLERS ENABLE OPERATORS TO OBTAIN SAMPLES OF LPG GAS OR LIQUIDS WITH HIGH VAPORIZATION PRESSURES. THE SAMPLE IS CAPTURED IN A SAMPLE CYLINDER FOR EASY TRANSPORT TO THE LAB. TEXAS SAMPLING'S PATENTED CYLINDER SADDLES ENSURE SAFE, PROPER ALIGNMENT AND PREVENT LEAKAGE WHEN CONNECTING THE CYLINDER. FOR MAXIMUM OPERATOR SAFETY, OUR LPG LIQUID SAMPLER DESIGN ALLOWS THE OPERATOR TO MAINTAIN THE PROPER OUTGAGE. ANY EXCESS SAMPLE

LEFT IN THE SYSTEM IS VENTED SO THAT THE PRESSURE IN THE QUICK CONNECTS IS REDUCED. SIMPLE OPERATION AND THE EASY ON/OFF DESIGN OF THE SAMPLE CYLINDER MAKES THE TEXAS SAMPLING SYSTEM AN EXCELLENT CHOICE FOR ANY HIGH VAPORIZATION LIQUID OR GAS APPLICATION.



Simple Operation

Cylinder Saddles
for Stable and
Proper Alignment

Continuous Flow

Liquid or Gas
Processes With or
Without Return

Available With
Purge



LPG Sample System ▲

S a m p l e S y s t e m s

CUSTOM SAMPLER

BECAUSE WE CUSTOM DESIGN AND BUILD ALL OF OUR SAMPLING SYSTEMS, TEXAS SAMPLING STANDS OUT FROM THE COMPETITION. FOR SAMPLE SYSTEM NEEDS THAT ARE NOT STANDARD TO THE INDUSTRY, WE WORK CLOSELY WITH THE CUSTOMER TO CREATE A SAMPLING SYSTEM TO MEET ANY SAMPLING REQUIREMENT.



Acid

Powder

Flare Gas

Hot Asphalt

Gasoline Blending
Composite



Custom Sample System ▼



F e a t u r e s

NEEDLES

- EASILY REPLACED OR CLEANED.
- WIDE VARIETY OF SIZES AND MATERIALS.
- DESIGN ALLOWS ZERO DEAD VOLUME.
- COST EFFECTIVE.

BOTTLES

- ANY TYPE OF SAMPLING BOTTLE MAY BE USED IN CONJUNCTION WITH TEXAS SAMPLING'S PATENTED BOTTLE SLEEVE.
- STANDARD SIZES RANGE FROM A 2 cc VIAL TO A 1 GALLON CONTAINER.
- CAN BE PURCHASED WITH CAPS AND SEPTAS.
- CAPS AND SEPTAS CAN BE PURCHASED SEPARATELY.

PROCESS NEEDLE PURGE

- PROVIDES A REPRESENTATIVE SAMPLE.
- REMOVES RESIDUAL PROCESS FROM VALVE AND NEEDLE ASSEMBLIES TO ELIMINATE PLUGGING.
- ROTAMETER VERIFIES PURGE FLOW FOR SAFE OPERATION.
- PURGES SAMPLE CONTAINER.
- REDUCES MAINTENANCE COST BY ELIMINATING CORROSION AND PLUGGING.



B e n e f i t s

- TEXAS SAMPLING OFFERS A WIDE VARIETY OF SYSTEMS THAT CAN BE USED FOR HIGH TEMPERATURE AND PRESSURE APPLICATIONS.
- TEXAS SAMPLING OFFERS A VARIETY OF MATERIALS TO ACCOMMODATE THE CUSTOMER'S INDIVIDUAL APPLICATIONS.
- ALL TEXAS SAMPLING'S SYSTEMS COME WITH OPERATING INSTRUCTIONS PRINTED ON AN ENGRAVED TAG ADHERED TO THE SYSTEM.
- ZERO DEAD VOLUME. NO PROCESS IS LEFT IN THE SYSTEM AFTER SAMPLING.
- **Custom is Our Standard.**



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