

Company Profile 2026

Caspian Edge

Hygienic Stainless Steel Process Components — Sourced, Verified, Documented

Caspian Edge is a Canada-based sourcing partner for hygienic stainless steel process components — valves, tubing, fittings, tank accessories, and selected equipment.

We help food, dairy, beverage, pharmaceutical, and biotech manufacturers specify the right material, standard, finish, and documentation, then deliver it audit-ready from a vetted global supply network.



Who We Are

A specialized sourcing partner — not a general commodity supplier.

We help hygienic-process manufacturers source stainless steel components with confidence. From a base in North York, Ontario, we serve customers across North America and beyond — combining hands-on product knowledge, vetted manufacturing sources, and a documentation-first approach, so every order arrives with the material, finish, standards, and certifications its application requires.

Alongside hygienic process work, we also support industrial and oil & gas applications with reliable, fit-for-purpose components.



Focused Product Selection

A curated range of hygienic stainless steel components, chosen for cleanability, reliability, and process fit — not catalogue breadth.



Global Supply Network

Vetted manufacturing sources and streamlined logistics for consistent quality, availability, and on-time delivery.



Quality-Checked Supply

Components verified against spec before they ship.



What We Do

Caspian Edge is a sourcing partner and supplier of hygienic process components. We connect you with the right parts from vetted manufacturing sources worldwide — and manage the path from RFQ to delivery.

Our role is to simplify procurement, reduce risk, and keep critical lines moving.



Specialized Sourcing

We match each requirement to a vetted manufacturing source that meets your standard, finish, and grade.



Documentation-First Supply

Traceability, material test reports, and compliance docs with every order.



Supply Coordination

We manage vendors, logistics, and customs so orders arrive complete and on time.



Quality Assurance

Components are checked against spec before shipment — material, finish, and dimensions.



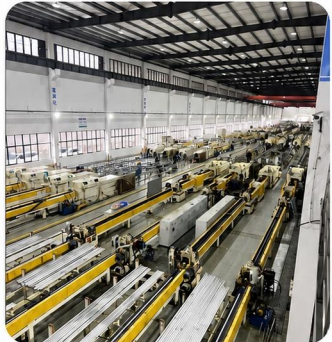
Fast Turnaround

Strategic stock and streamlined processes shorten lead times and reduce downtime.



Project Sourcing

Support for mixed-item and project-based requirements, including hard-to-find parts.



04 | Industries We Serve

Industries We Serve

We supply hygienic stainless steel components for highly regulated, performance-driven industries — and support industrial and oil & gas applications with durable, fit-for-purpose parts.



Food Processing

Hygienic flow components for safe, efficient food production.



Dairy

Sanitary solutions built for the strict hygiene demands of dairy.



Beverage

Contamination-free components for breweries, distilleries, and bottling lines.



Pharmaceutical

Sanitary, compliance-ready components for product integrity in pharma.



Biotechnology

High-purity components for sterile biotech and life-science processes.



OEMs / System Builders

Standard and custom parts that integrate cleanly into complete systems.

Core Product Portfolio

A focused range of hygienic stainless steel products for critical process lines — engineered for cleanability and compliance, across food, dairy, beverage, pharma, and biotech.



Sanitary Valves

Precise flow control and reliable shut-off for hygienic systems.



Sanitary Fittings

Tri-clamp fittings and adapters for leak-free connections.



Hygienic Components

Spray balls, sight glasses, and process accessories for clean integration.



Sanitary Tubing

High-purity tube in a wide range of sizes and standards.

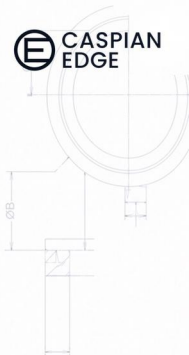


Process Equipment

Pumps, heat exchangers, manways, and selected equipment for sanitary duty.

Sanitary Valves

Our sanitary valves are built from high-grade stainless steel for cleanability and long service life. On request, they can be specified in hygienic configurations to standards such as 3-A, EHEDG, or ASME BPE — subject to confirmation from the selected source — for precise flow control across food, dairy, beverage, pharma, and biotech.



Ball Valves

Full port, precision-machined ball valves for on/off service with exceptional durability and seal integrity.



Butterfly Valves

Lightweight and compact valves for efficient flow regulation and isolation in hygienic process lines.



Diaphragm Valves

Engineered for sterile and high-purity applications, offering tight shut-off and smooth product flow.



Check Valves

Prevent backflow and protect process integrity with low-cracking pressure and hygienic design standards.



Divert Valves

Direct product flow with precision. Ideal for multi-line distribution and process routing applications.



Sampling Valves

Aseptic sampling with minimal product loss. Designed for safe, repeatable, and contamination-free sampling.

Sanitary Fittings

Engineered for hygiene, precision, and reliability. Our sanitary fittings ensure secure, leak-free connections and smooth process flow across the most demanding clean applications.



Elbows

90° and long-radius elbows for clean flow direction changes.



Tees

Equal and reduced tees for branching and system distribution.



Ferrules

Weld ferrules in various standards for strong, sanitary weld connections.



Clamps

High-quality tri-clamp assemblies for quick, tool-free connection and disassembly.



Reducers

Concentric and eccentric reducers to adapt line sizes efficiently.



Unions

Sanitary unions for secure, serviceable line connections and easy assembly and maintenance.



Adapters / Miscellaneous Fittings

A complete range of adapters, nipples, unions, hose barsbs, and other sanitary fittings to meet diverse application needs.



Hygienic Components

Engineered for performance, built for purity.

Our hygienic components are designed to meet the highest standards of cleanability, durability, and process reliability. Built from premium stainless steel and crafted for seamless integration, they support critical operations across sanitary industries.



Spray Balls

High-impact cleaning with 360° coverage for tanks and vessels.



Cleaning / Distribution Heads

Precision-engineered for efficient cleaning, rinsing, and fluid distribution.



Sight Glasses

Clear visibility for safe and reliable process inspection.



Tank or Process Lights

Illumination solutions for enhanced visibility in tanks and process vessels.



Pressure / Instrument Components

Reliable instrumentation components for accurate monitoring and control.

Sanitary Tubing

Caspian Edge supplies premium sanitary tubing for critical process systems in food, dairy, beverage, pharmaceutical, and biotechnology applications. Our tubing meets the highest hygienic standards for cleanliness, corrosion resistance, and traceability—supporting safe, contamination-free transfer and processing.

ENGINEERED FOR HYGIENIC PERFORMANCE

- ✓ Electropolished and mechanically polished finishes
- ✓ Excellent corrosion resistance and cleanability
- ✓ Dimensional accuracy and straightness
- ✓ Full material traceability and documentation
- ✓ Clean, protected, and ready for process installation

CORE LINE GROUPINGS



ASTM A270

Seamless and welded austenitic stainless steel sanitary tubing



ASME BPE

Hygienic process tube (SF1–SF4 surface finishes available where the selected source can confirm).



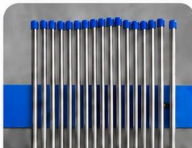
Common Standards / Series

304 / 304L / 316L
1D, 1.5D, 2D, 2.5D, 3D



READY STOCK

Extensive inventory of sanitary tubing in multiple sizes and specifications for fast fulfillment.



WIDE SIZE RANGE

OD range from 1/4" to 4" and beyond with precise wall thickness and tight tolerances.



VERIFIED QUALITY

100% inspection for surface finish, dimensions, and cleanliness to ensure consistent performance.

Process Equipment

In addition to valves, tubes, and fittings, Caspian Edge supports the sourcing of selected hygienic process equipment. We partner with trusted manufacturing sources to supply reliable, high-performance equipment engineered for sanitary applications across critical food, dairy, beverage, pharmaceutical, and biotech processes.



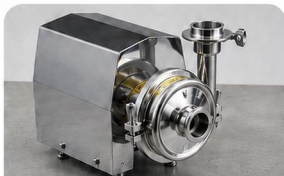
Manways / Tank Openings

Hygienic manways and tank openings for safe access and reliable sealing.



Filter Housings

Sanitary filter housings designed for efficient clarification and contaminant removal.



Pumps

Hygienic centrifugal pumps built for consistent performance and easy maintenance.



Plate Heat Exchangers

Efficient plate heat exchangers for precise temperature control and energy optimization.



Related Equipment

Supporting process equipment including strainers, mixers, and custom-fabricated assemblies.

Inspection & Verification

Practical quality checks before shipment and project delivery.

For critically hygienic applications, inspection and verification help confirm that supplied components align with specified material, finish, dimensions, and basic visual expectations before dispatch.



Surface Finish Verification

Review of surface condition and roughness where required.



Dimensional Checks

Basic measurement checks for key dimensions and thickness.



Material Verification

Support for PMI or material verification through available channels when required.



Visual & Fit-Up Review

Inspection of weld condition, component finish, and overall presentation before shipment.



Inspection scope depends on product type, project requirement, and supplier capability.



Supply, Packaging & Logistics

Coordinated sourcing and shipment support from supply channel to delivery point.

Caspian Edge supports the practical side of supply — from sourcing coordination and order consolidation to protective packaging, export preparation, and delivery planning for hygienic stainless steel components.



Coordinated Supply

Support for project-based and mixed-item sourcing requirements.



Protective Packaging

Packaging arranged to help protect polished components during handling and transit.



Export & Shipping Readiness

Preparation for shipment, consolidation, and documentation coordination where required.



Delivery Support

Responsive coordination for delivery location, timing, and commercial requirements.

i Packaging and logistics approach may vary depending on product, shipment size, and destination.



Quality & Documentation

The right component is only right when material, finish, standard, and documentation align with the process.



01 | Material Traceability

Heat-number and material traceability support where available.



02 | Mill Test Reports

MTRs may be available depending on product, supplier, and project requirement.



03 | Certificates & Inspection Documents

EN 10204 3.1, inspection records, and supporting documents may be coordinated on request.



04 | Specified to Your Process

Selection support for grade, connection standard, surface finish, gasket compatibility, and application needs.

 Documentation availability depends on product type, supplier, standard, size, and project specification.



Why Caspian Edge

A specialized sourcing partner for hygienic stainless steel process components.

We combine technical awareness, sourcing discipline, and practical project support to help customers source more confidently.



01 Specialized Focus

Focused on hygienic stainless steel and process components rather than general commodity supply.



02 Technical Understanding

Support with grade, surface finish, connection type, and sanitary process needs.



03 Sourcing Capability

Access to qualified international supply channels for project-specific and hard-to-find items.



04 Documentation Mindset

Attention to traceability and documentation support where required.



05 Practical Procurement Support

Helping customers prepare clearer RFQs and avoid sourcing delays.



06 Canada-Based Support

Responsive business support for Canadian and North American customers.



Caspian Edge
Hygienic Process Solutions

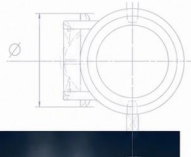


15 | Send Us Your Requirement

Send Us Your Requirement

Need a specific hygienic stainless component?

Send us the drawing, datasheet, photo, sample, or part number — we'll help identify suitable sourcing options.



RFQ Checklist

- ✓ Product type
- ✓ Size / OD / DN
- ✓ Material grade
- ✓ Connection type
- ✓ Standard
- ✓ Surface finish requirement
- ✓ Quantity
- ✓ Required documentation
- ✓ Application or industry
- ✓ Delivery location
- ✓ Drawing, photo, datasheet, or existing part number if available



For detailed technical specifications and dimensional information, please refer to the Caspian Edge Technical Catalog or product datasheets.



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Location: North York, Ontario, Canada



Start an RFQ