



VENTURA
SPRAY

INDUSTRIAL SPRAY + FLOW CONTROL

PRODUCT CATALOGUE

Spray nozzles / valves / filtration / fittings



SUPPLIED IN CANADA BY VENTURA SPRAY

Technical selection support / Application review / Request a quote

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TECHNICAL RESOURCES

Catalogue overview

Industrial spray and flow-control solutions available through Ventura Spray. This consolidated guide presents the current product families and selected catalogue ranges for preliminary selection.

How to use this guide

Choose the relevant product family, then contact Ventura with the fluid, flow, pressure, temperature, material, connection and application requirements. Ventura will confirm the exact model, technical data, availability and applicable documentation before quotation.

Product designs, specifications and availability are subject to confirmation. Ventura Spray supplies products through approved manufacturing partners.

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SPRAY NOZZLES

General Spray Nozzle Catalogue

A broad selection of hydraulic and pneumatic spray nozzles for washing, cooling, coating, atomizing, dust control, tank cleaning and process applications.

AVAILABLE THROUGH VENTURA SPRAY



PRODUCT FAMILIES

01

Flat spray

Wide fan patterns for rinsing, coating and surface coverage.

02

Full and hollow cone

Round patterns for washing, cooling, gas conditioning and dust control.

03

Atomizing and tank washing

Fine droplets, two-fluid atomization and vessel-cleaning configurations.

SPECIFICATIONS AT A GLANCE

SPRAY PATTERNS	Flat, full cone, hollow cone, solid jet, fine mist and air atomizing
REPRESENTATIVE MATERIALS	SS304, SS316, brass and selected polymers; confirm by series
CONNECTIONS	Threaded, tip, welded and flanged options depending on series

APPLICATIONS

Where it works

- Industrial washing and rinsing
- Cooling and quenching
- Gas scrubbing, humidification and dust suppression
- Coating and process atomization

SELECTION NOTE Flow, angle, droplet size and material compatibility must be selected for the actual fluid and operating conditions.

SPRAY NOZZLES

Quick Spray Selection Guide

A concise product-family overview for early-stage selection before a detailed application review.

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PRODUCT FAMILIES

01

CA-CN flat-spray families

Series covering threaded, removable-tip, weld-end and specialty flat-fan formats.

02

DA-DM full-cone families

Series covering compact through high-capacity cone patterns.

03

Tank, oil-burner and air-atomizing

Specialized families for vessel cleaning, combustion and controlled fine sprays.

SPECIFICATIONS AT A GLANCE

FLAT-SPRAY FLOW SPAN	Representative catalogue families span approximately 0.5 to 430 LPM; exact range varies by series
FLAT-SPRAY ANGLES	Common listed angles include 15°, 30°, 45°, 60°, 90°, 120° and specialty patterns
FULL-CONE FLOW SPAN	Representative catalogue families span approximately 1 to 10,000 LPM; confirm exact series and pressure

APPLICATIONS

Where it works

- Fast product-family comparison
- Preliminary nozzle-pattern selection
- Identifying series for detailed sizing

SELECTION NOTE These broad spans combine several distinct series and must not be used as a final sizing schedule.

PHARMA

Pharmaceutical Spray Solutions

Spray nozzles and lances for top spray, bottom spray, tablet coating, RMG/HSMG and fluid-bed processing configurations.

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PRODUCT FAMILIES

01

Top spray TS series

Full-cone options for different shell sizes with direct or lance mounting.

02

Bottom spray WS series

Full-cone Wurster and perforated-plate configurations.

03

Coating and granulation

Tablet-coating guns plus RMG/HSMG and fluid-bed spray lances.

SPECIFICATIONS AT A GLANCE

TOP-SPRAY ORIFICE RANGE	Representative TS models: 0.5 to 2.5 mm
TOP-SPRAY WATER FLOW	Representative TS models: 0.1 to 12 LPM
TOP-SPRAY SHELL SUITABILITY	Representative TS models: up to 350 mm through up to 2,500 mm
AUTO SHUT-OFF	Available on selected TS and WS models; confirm exact model

APPLICATIONS

Where it works

- Fluid-bed granulation and coating
- Top-spray and bottom-spray processing
- Tablet coating
- RMG/HSMG liquid addition

SELECTION NOTE Materials, surface finish, seals and any regulatory requirements must be confirmed for the exact pharmaceutical process.

VALVES

Industrial Control Valves

Control-valve configurations for modulating, isolation and flow-reversal duties across steam, utility and process services.

AVAILABLE THROUGH VENTURA SPRAY



PRODUCT FAMILIES

01

Globe control valves

Two-way, three-way, microflow and sanitary globe configurations.

02

Rotary control valves

Butterfly, V-notch ball and on/off ball-valve configurations.

03

Special process valves

Flush-bottom and sanitary configurations with actuator and accessory choices.

SPECIFICATIONS AT A GLANCE

GLOBE TWO-WAY SIZE	1/2 in to 12 in (15 to 300 mm)
GLOBE TWO-WAY RATING	ANSI Class 150 to 2500; other ratings listed on request
BUTTERFLY SIZE	2 in to 24 in (50 to 600 mm)
SEAT LEAKAGE OPTIONS	Classes III, IV, V and VI are listed for relevant globe configurations; verify exact trim
ACTUATION	Pneumatic diaphragm, pneumatic piston, rotary and electric options by valve type

APPLICATIONS

Where it works

- Steam, utility and process pipelines
- Mixing, diverting and throttling
- Sanitary food, dairy and beverage service
- Vessel drainage and flush-bottom duty

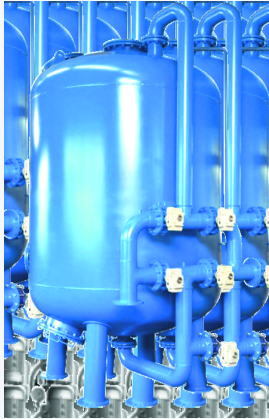
SELECTION NOTE Design standards, pressure class, leakage class, metallurgy and actuator sizing require order-specific confirmation.

FILTRATION

Strainers and Filters

Filtration products for coarse-particle retention, liquid clarification, water treatment and high-solids process duties.

AVAILABLE THROUGH VENTURA SPRAY



PRODUCT FAMILIES

01

Basket filters

Simplex and duplex housings, including continuous-service changeover arrangements.

02

Self-cleaning and sand filters

Automatic cleaning concepts and gravity or pressure sand-filtration options.

03

Bag and specialty filters

Bag housings, magnetic options and customized process arrangements.

SPECIFICATIONS AT A GLANCE

SIMPLEX BASKET SIZE	1/2 in to 32 in and above
BASKET-FILTER PRESSURE RANGE	ANSI Class 150 to 600 listed; confirm by design
DUPLEX BASKET SIZE	1 in to 24 in and above
REPRESENTATIVE MATERIALS	Carbon steel, SS304/304L, SS316/316L, Hastelloy and selected nonferrous alloys
BAG-FILTER FLOW	Catalogue lists capacities up to 2,500 m³/h and above, subject to design

APPLICATIONS

Where it works

- Water and wastewater treatment
- Chemical and petrochemical processing
- Food, beverage and dairy
- Paint, ink, dye, steel and textile processes

SELECTION NOTE Filtration rating, differential pressure, corrosion allowance and code requirements must be defined for each service.

FITTINGS

Instrumentation Fittings

Tube fittings, valves, manifolds, couplings and accessories for instrumentation and process tubing systems.

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PRODUCT FAMILIES

01

Double-compression fittings

Unions, elbows, tees, adapters, bulkheads and other fractional or metric tube connections.

02

Instrumentation valves

Needle valves, ball valves and valve manifolds.

03

Couplings and accessories

Quick-release couplings and supporting tube-system accessories.

SPECIFICATIONS AT A GLANCE

TUBE SYSTEMS	Fractional and metric options
PIPE-THREAD CHOICES	NPT, BSPT, BSP, SAE and ISO options are listed by configuration
MATERIALS	Stainless steel, steel, brass, aluminum, titanium, Hastelloy, Monel and selected special alloys
THREAD REFERENCE	ANSI B1.20.1 is listed for applicable pipe threads

APPLICATIONS

Where it works

- Instrument impulse lines
- Process tubing and sampling systems
- Hydraulic and pneumatic instrumentation
- Manifoldd pressure measurement

SELECTION NOTE Tube wall, hardness, pressure rating, temperature and fluid compatibility determine the safe fitting selection.

FITTINGS

Hydraulic Fittings

Tube connection parts, adapters, unions, flanges, pipe clamps, seals and hose-interface components for hydraulic systems.

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PRODUCT FAMILIES

01

Tube connections

Straight, elbow, tee, bulkhead, swivel and weld configurations.

02

Adapters and flanges

BSP adapters, standpipes, hose adapters and SAE split flanges.

03

Clamps and sealing

Light- and heavy-duty pipe clamps, bonded seals and copper washers.

SPECIFICATIONS AT A GLANCE

VERY-LIGHT SERIES	Catalogue lists selected components at 100 bar
LIGHT SERIES	Representative ratings vary by tube size from 250 bar down to 100 bar
HEAVY SERIES	Representative ratings vary by tube size from 630 bar down to 250 bar
TUBE OUTSIDE DIAMETERS	Representative catalogue tables span 4 mm through 42 mm depending on series

APPLICATIONS

Where it works

- Hydraulic tube runs
- Equipment and manifold connections
- Bulkhead transitions
- Pipe support and hose adaptation

SELECTION NOTE Quoted pressure ranges are series- and size-dependent; verify the exact part number, tube specification and assembly procedure.

VALVES & FITTINGS

Valve Automation and Sanitary Fittings

Sanitary and process valves, pneumatic automation options, ferrules and clamps for fluid and powder-handling equipment.

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PRODUCT FAMILIES

01

Sanitary butterfly valves

Manual and actuator-ready stainless-steel configurations.

02

Ball, flush-bottom and non-return valves

Process isolation and vessel-outlet configurations.

03

Sanitary connections

TC ferrules, TC clamps and related fittings.

SPECIFICATIONS AT A GLANCE

BUTTERFLY-VALVE SIZES	0.5 in, 0.75 in, 1 in, 1.5 in, 2 in, 2.5 in, 3 in, 4 in, 6 in and 8 in listed
MATERIALS	304 or 316 stainless steel listed for sanitary butterfly valves
CONNECTIONS	Sanitary clamp, butt-weld and SMS options listed
ACTUATION	Integrated actuator mounting; pneumatic configurations available

APPLICATIONS

Where it works

- Food, beverage and dairy lines
- Pharmaceutical powder and liquid handling
- Sanitary process isolation
- Automated flow control

SELECTION NOTE Surface-finish, elastomer, pressure, temperature and hygienic-design requirements must be confirmed before supply.

FIRE PROTECTION

Fire-Fighting Nozzles

Water-spray, sprinkler and specialty nozzle families intended for engineered fixed fire-protection systems.

AVAILABLE THROUGH VENTURA SPRAY



PRODUCT FAMILIES

01

High- and medium-velocity
spray

Open-nozzle configurations for fixed water-spray and deluge systems.

02

Curtain and sprinkler products

Window/wall exposure patterns and pendent/upright sprinkler configurations.

03

Foam and spiral spray

Specialized products for flammable-liquid and suppression applications.

SPECIFICATIONS AT A GLANCE

HIGH-VELOCITY PATTERN	Dense solid/full-cone spray is described for cooling and extinguishment applications
MEDIUM-VELOCITY CONFIGURATION	Open-orifice, directional, external-deflector design
CURTAIN PATTERN	Flat-fan exposure-protection pattern; stainless steel and brass options listed
FOAM SPRINKLER BODY	Bronze body with optional SS316 is listed

APPLICATIONS

Where it works

- Transformer and switchgear deluge
- Flammable-liquid storage protection
- Conveyor and process-equipment protection
- Window, wall and roof exposure protection

SELECTION NOTE Fire-protection products must be selected and approved by the project's qualified fire-protection professional and authority having jurisdiction.

SPRAY NOZZLES

Clip-On Spray Nozzles

Adjustable clamp-mounted nozzle assemblies for pretreatment, industrial washing and process spray headers.

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PRODUCT FAMILIES

01

SA and SB clamp families

Single- and double-spring swivel clip-on configurations.

02

Integrated swivel-ball tips

Flat-spray and full-cone colour-coded tip options.

03

Quick-release tips

Flat, full-cone and hollow-cone options for service access.

SPECIFICATIONS AT A GLANCE

SA MAXIMUM WORKING TEMPERATURE	80°C
SWIVEL ADJUSTMENT	40° listed for SA single-clamp design
RECOMMENDED WORKING PRESSURE	3 bar single spring; 5 bar double spring
SA BODY MATERIAL	Glass-filled polypropylene; SS304/SS316 clamp options listed
PIPE SIZES	Representative SA clamp table lists 3/4 in through 2 in

APPLICATIONS

Where it works

- Surface pretreatment plants
- Industrial washing machines
- Adjustable process spray headers
- Semiconductor-process washing

SELECTION NOTE Pipe diameter, drilled-hole size, seal material and clamp loading must match the exact assembly.

INJECTION & PROCESS EQUIPMENT

Injection Quills

Fixed, retractable and online-retrievable quill arrangements for introducing chemicals or sampling process streams.

AVAILABLE THROUGH VENTURA SPRAY



PRODUCT FAMILIES

01

Online-retrievable assemblies

Systems used with retrieval tools and service valves for access under operating conditions.

02

Retractable quills

Safety-clamp and safety-chain configurations for serviceable injection points.

03

Double-block-and-bleed

Isolation arrangements for injection or process sampling duties.

SPECIFICATIONS AT A GLANCE

RETRIEVER TOOL TEMPERATURE	15°F to 400°F (-26°C to 204°C) listed for the referenced tool kit
RETRIEVER TOOL PRESSURE	2,500 psi listed for the referenced tool kit
FLANGE PRESSURE CLASSES	150 to 2500 lb listed for selected non-retrievable quill designs
OPTIONAL FEATURES	Check valves, bleed arrangements and tip configurations by design

APPLICATIONS

Where it works

- Chemical inhibitor injection
- Corrosion monitoring and sampling
- Pressurized water and process headers
- Maintenance-sensitive injection points

SELECTION NOTE The cited ratings apply only to the specific source configurations. Pressure-boundary design and retrieval procedures require engineering confirmation.

FILTRATION

Sand Filter Nozzles

Polymer filter nozzles, strainers and underdrain components for water-treatment filtration and backwash service.

AVAILABLE THROUGH VENTURA SPRAY



PRODUCT FAMILIES

01

Filter nozzles

Slotted filter-and-stem assemblies for underdrain plates.

02

Hub and lateral systems

Distribution assemblies for filter vessels.

03

Strainers and media

Soft strainers, disk strainers, double-decker strainers and support media.

SPECIFICATIONS AT A GLANCE

LISTED MATERIALS	PP, high-temperature PP, glass-filled PP and PVDF
FILTER CONSTRUCTION	Slotted filter with threaded stem, washers and nuts
CLEANING METHOD	Backwash cleaning is described
MEDIA SERVICE	Sand and anthracite filtration applications are listed

APPLICATIONS

Where it works

- Pressure and gravity sand filters
- Water-treatment underdrains
- Ion-exchange and media retention
- Backwash distribution systems

SELECTION NOTE Slot size, open area, stem thread, material and hydraulic loading must be confirmed against the vessel and media design.

APPLICATION SUPPORT

Let's specify the right solution.

Tell us what you are spraying, filtering, controlling or connecting. Ventura can help identify the appropriate product family and obtain order-specific technical confirmation from an approved manufacturing partner.

EMAIL	PHONE	BRIEF US Information to include • Application and fluid • Required flow • Operating and design pressure • Temperature and materials • Connection and quantity • Applicable codes or standards
info@venturaspray.com	416-206-9308	
LOCATION	WEBSITE	
Whitby, Ontario, Canada	venturaspray.com	

Technical and legal notice

This overview is for preliminary product-family selection only. Product designs, specifications and availability are subject to confirmation. Ventura Spray supplies products through approved manufacturing partners. No certification, code compliance, pressure rating, material suitability or performance guarantee should be inferred for an exact product until confirmed in Ventura's quotation and the applicable manufacturer documentation.