Vantimond™ FLOW CONTROL SOLUTIONS

INDUSTRIAL FLUID SOLUTIONS

Valves, pumps, quick disconnects and intelligent dosing systems



COMPANY PROFILE

Vantimond Flow Control LLC

www.vantimond.com

Company Introduction



FLOW HARDWARE + EDGE INTELLIGENCE

Vantimond Flow Control LLC supplies products for industrial fluid handling and control. The product range includes fluoropolymer-lined valves, metal valves, stainless steel pumps, titanium pumps, liquid-cooling quick disconnects and the Haniwis™ intelligent dosing system. These products are used in chemical processing, pulp and paper, energy and offshore service, and data-centre liquid cooling.

Product selection is based on the medium, concentration, line size, pressure, temperature, flow, connection, operation and applicable project standards. Wetted materials, lining, sealing, pressure class, actuation and technical documentation are confirmed for the project.

01 PRODUCT SELECTION

Select the product type, materials, pressure class, connection and operation from the actual medium and working conditions.

02 DOCUMENTATION

Provide available catalogues and confirm technical data, drawings and supporting documents required for the project.

03 CUSTOMER SERVICE

Support technical enquiries, quotations, order execution and after-sales communication.

SOLUTION PORTFOLIO

Products and Solutions

Vantimond supplies valves, pumps, liquid-cooling quick disconnects and intelligent dosing systems. Product size, materials and configuration are selected to suit the stated operating conditions and project requirements.



01	**VALVES**	Metal and fluoropolymer-lined ball, butterfly, diaphragm and check valves for shutoff, control and reverse-flow prevention.
02	**PUMPS**	Stainless steel and titanium axial-flow, centrifugal and circulation pump products.
03	**QUICK DISCONNECTS**	UQD products for quick connection and disconnection between liquid-cooling equipment, racks and pipework.
04	**HANIWIS™**	An intelligent dosing system for process-data acquisition and communication with dosing equipment, control valves and plant control systems.



VALVE SOLUTIONS

Valve products for corrosive and general industrial service

Vantimond supplies ball, butterfly, diaphragm and check valves in metal and fluoropolymer-lined constructions. Selection is based on medium corrosiveness, working pressure, temperature, size, connection, operating frequency and installation conditions. Body material, lining, seat, packing and actuator are specified from the project data.

BALL VALVES

For pipeline shutoff. Metal and lined constructions are available for different media and working conditions.

BUTTERFLY VALVES

For larger line sizes and installations with limited space. Lining, seat and disc materials are selected for the medium.

DIAPHRAGM VALVES

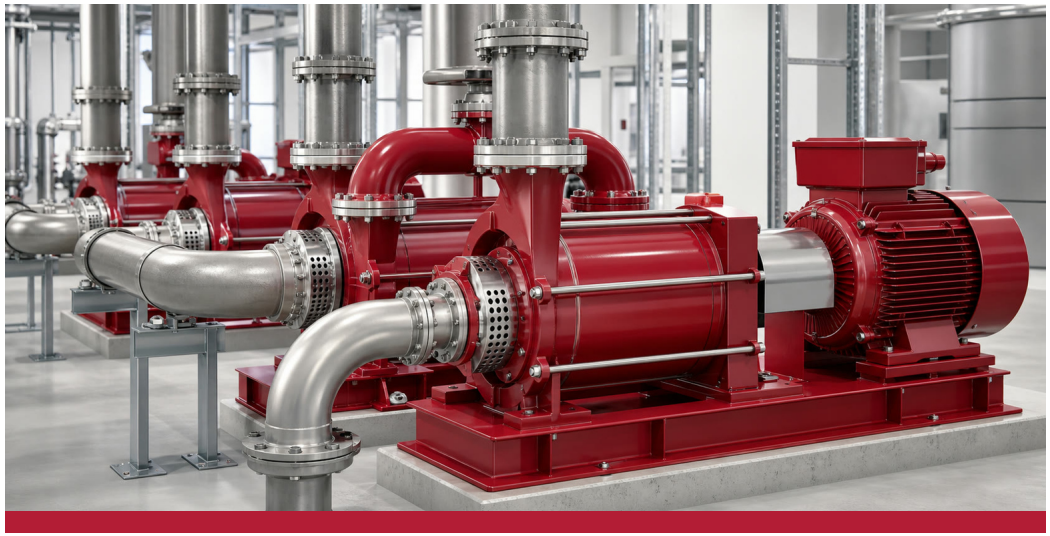
The diaphragm separates operating parts from the process medium and is suitable for corrosive service and media isolation.

CHECK VALVES

For prevention of reverse flow. Flow direction, installation, opening pressure and system pressure drop must be confirmed.

REVIEW INPUTS: MEDIUM & CONCENTRATION / DESIGN & WORKING PRESSURE / TEMPERATURE / SIZE & CONNECTION / OPERATION & ACTUATION / PROJECT STANDARD

Pump and liquid-cooling quick disconnect products



STAINLESS STEEL & TITANIUM PUMPS

Vantimond supplies stainless steel and titanium pumps. Stainless steel pumps are suitable for a broad range of industrial fluids. Titanium pumps are intended for media requiring higher corrosion resistance. Medium, concentration, temperature, flow, head and installation data are required to select the impeller, seal, connection and drive arrangement.

UQD LIQUID-COOLING QUICK DISCONNECTS

The UQD series is used for quick connection and disconnection in data-centre liquid-cooling systems. Products can be installed at server, rack or pipework interfaces. Coolant, working pressure, temperature, flow, interface size, installation space and maintenance requirements must be confirmed for selection.





INTELLIGENT FLOW CONTROL

Haniwis™ Intelligent Dosing System

Haniwis is used for data acquisition, calculation and operating monitoring in chemical-dosing processes. The system can be installed on an on-site industrial server, read instrument and equipment data through defined interfaces, and exchange information with metering pumps, control valves and PLC systems.

The system analyses dosing data against the specified process target and provides a reference for dosage adjustment. The PLC remains responsible for equipment control, safety interlocks and field execution. Models, interfaces, control authority and network configuration are defined during project engineering.

01	**DATA INPUT**	Read process measurements and equipment status
02	**CALCULATION**	Calculate dosing data against the specified process target
03	**CONTROL INTERFACE**	Exchange information with metering pumps, valves and PLC systems
04	**OPERATING RECORD**	Record dosing results, alarms and equipment status

APPLICATIONS

Main Application Industries



For acids, alkalis, solvents and other industrial media. Materials, lining and sealing are selected from the medium and pressure-temperature conditions.



For fibre stock, bleaching chemicals and utility lines. Selection considers corrosion, fibre content, blockage and maintenance requirements.



For process and utility systems. Product configuration considers continuous operation, environmental corrosion, coating and maintenance conditions.



For liquid-cooling pumping, flow control and quick connection. Coolant, pressure, temperature and interface requirements must be confirmed.

Application review aligns the product family, materials, pressure-temperature limits, connection and operating method into one consistent project definition.

ENGINEERING SUPPORT & CONTACT

Technical and After-sales Support

Vantimond selects products and prepares quotations from the operating data supplied by the customer. During order execution, available catalogues, technical data and drawings can be provided, and materials, connections, actuation and system interfaces can be confirmed. After delivery, support is provided in accordance with the order and written warranty terms.

01	**SHARE THE DUTY**	Medium, concentration, flow, pressure, temperature, size, connection, quantity and standards
02	**REVIEW THE CONFIGURATION**	Product family, materials, lining, sealing, actuation and system interfaces
03	**CONFIRM DOCUMENTATION**	Technical data, available drawings, project notes and commercial quotation
04	**SUPPORT DELIVERY**	Installation and operating boundaries, written warranty terms and after-sales response

Eligible fluid hardware and Haniwis solutions may carry a three-year limited warranty. Coverage depends on product eligibility, approved application, correct installation and operation, and the written warranty terms. For severe service, Chesterton sealing and packing technologies may be considered, together with protective coating systems defined against the relevant ISO 12944 exposure category.

MATERIAL & SEALING PARTNERS

DAIKIN / CHEMOURS / CHESTERTON



PROJECT ENQUIRIES

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