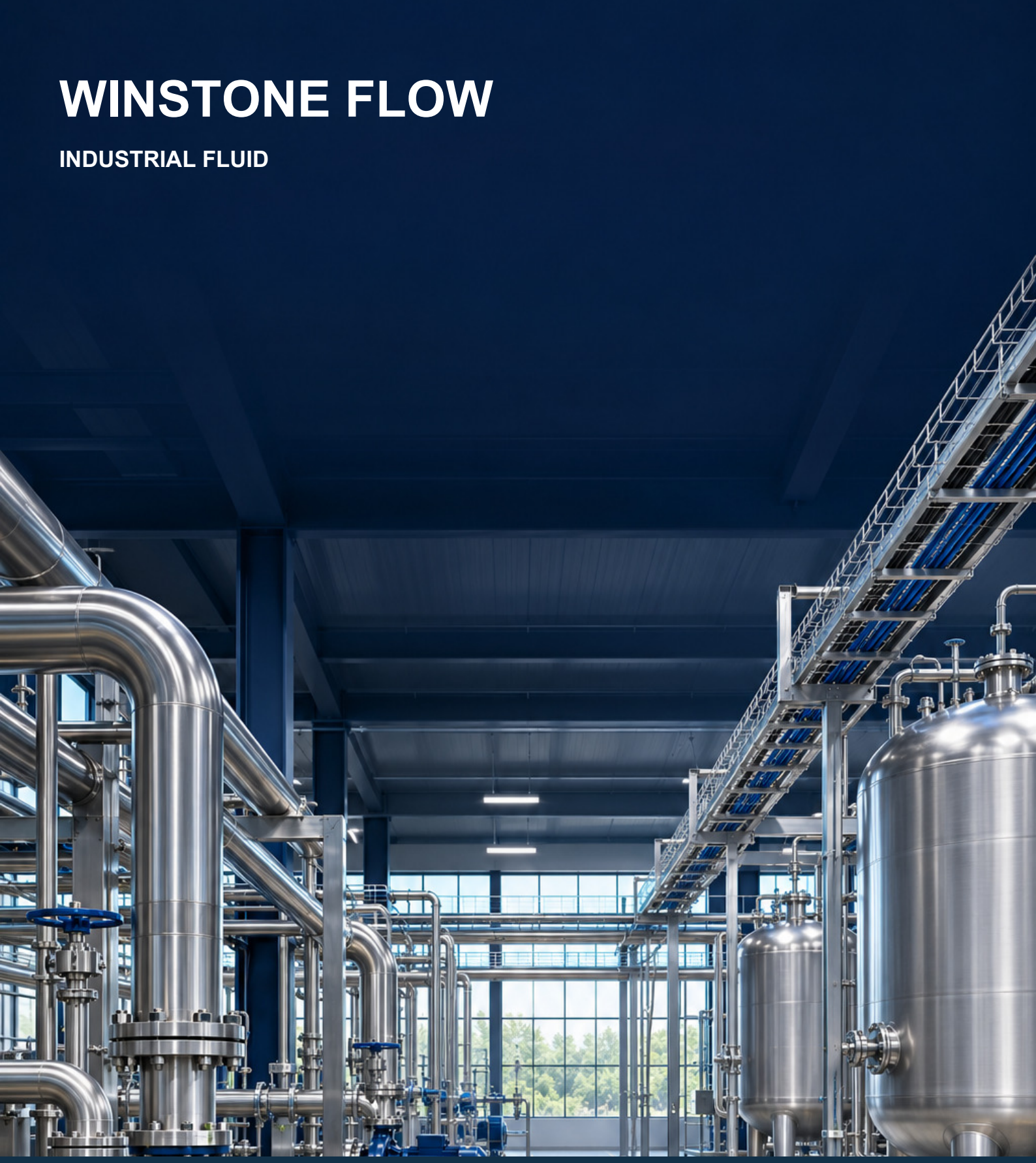
WINSTONE FLOW

INDUSTRIAL FLUID



INDUSTRIAL FLUID
PRODUCT CATALOGUE

Winstone Industrial Tech Co., Ltd.

V7 | 2026.11 | ENGLISH

www.winstoneflow.com

Product categories

20 product categories



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Our brand story

WINSTONE FLOW



Industrial applications

Bringing clarity to industrial flow

Every industrial process begins with an understanding of fluids. Water circulation, media transfer, pressure regulation and heat exchange connect individual equipment into a working process. This is the focus of WINSTONE FLOW: attention to each stage of flow, clearer product choices and well-matched connections.

Across transfer, control, connection, filtration, measurement and heat exchange, we organize products around applications and present choices in clear technical language. From water treatment and process plants to utilities and maintenance, our focus is the fit between media, materials and operating conditions.

Machining & assembly



Equipment workshop illustration

From fluid transfer to process control

01 Industrial Pumps





Centrifugal, multistage, submersible and in-line pumps

WIF-01-01	Centrifugal pump	WIF-01-02	In-line pump
WIF-01-03	Multistage pump	WIF-01-04	Self-priming pump
WIF-01-05	Submersible pump	WIF-01-06	Circulation pump
WIF-01-07	Deep-well pump	WIF-01-08	Magnetic-drive pump
WIF-01-S01	End-suction single-stage pump	WIF-01-S02	Horizontal split-case pump
WIF-01-S03	Vertical multistage booster pump	WIF-01-S04	Self-priming centrifugal pump
WIF-01-S05	Deep-well submersible pump	WIF-01-S06	Vertical in-line centrifugal pump
WIF-01-S07	Magnetic-drive centrifugal pump	WIF-01-S08	Twin-head circulation pump
WIF-01-T01	Canned-motor centrifugal pump	WIF-01-T02	Side-channel pump
WIF-01-T03	Peripheral pump	WIF-01-T04	Horizontal multistage pump
WIF-01-T05	Vertical turbine pump	WIF-01-T06	Submersible axial-flow pump
WIF-01-T07	Close-coupled centrifugal pump	WIF-01-T08	Back-pull-out centrifugal pump

02 Positive Displacement Pumps





Diaphragm, peristaltic, metering and rotary pumps

WIF-02-01	Diaphragm pump	WIF-02-02	Gear pump
WIF-02-03	Screw pump	WIF-02-04	Rotary lobe pump
WIF-02-05	Metering pump	WIF-02-06	Plunger pump
WIF-02-07	Peristaltic pump	WIF-02-S01	Air-operated double-diaphragm pump
WIF-02-S02	External gear pump	WIF-02-S03	Internal gear pump
WIF-02-S04	Progressive cavity pump	WIF-02-S05	Twin-screw pump
WIF-02-S06	Rotary lobe pump	WIF-02-S07	Plunger metering pump
WIF-02-S08	Peristaltic head and tubing set	WIF-02-T01	Hydraulic diaphragm metering pump
WIF-02-T02	Mechanical diaphragm metering pump	WIF-02-T03	Solenoid metering pump
WIF-02-T04	Flexible impeller pump	WIF-02-T05	Circumferential piston pump
WIF-02-T06	Reciprocating transfer pump	WIF-02-T07	Triplex plunger pump
WIF-02-T08	Three-screw pump		

03 Specialty Pumps



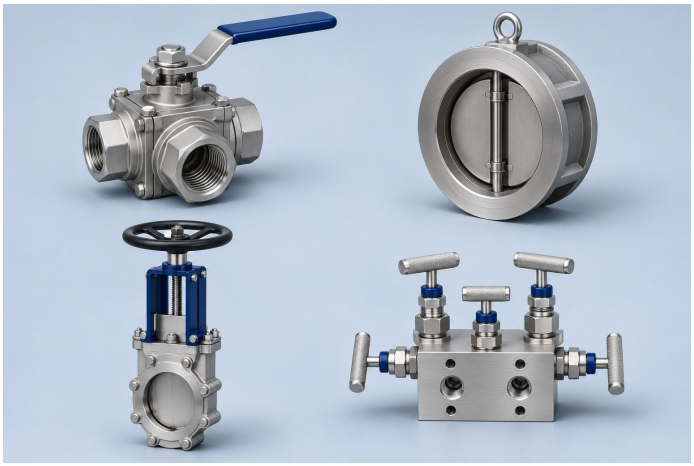


Slurry, sewage, chemical and drum pumps

WIF-03-01	Slurry pump	WIF-03-02	Mud pump
WIF-03-03	Sewage pump	WIF-03-04	Corrosion-resistant pump
WIF-03-05	Chemical process pump	WIF-03-06	Oil transfer pump
WIF-03-S01	Rubber-lined slurry pump	WIF-03-S02	Vertical sump slurry pump
WIF-03-S03	Dredging pump	WIF-03-S04	Submersible cutter pump
WIF-03-S05	Submersible vortex pump	WIF-03-S06	Fluoroplastic-lined chemical pump
WIF-03-S07	Drum transfer pump	WIF-03-S08	Thermal oil circulation pump
WIF-03-T01	Cantilever chemical sump pump	WIF-03-T02	Jacketed centrifugal pump
WIF-03-T03	Nonmetallic magnetic chemical pump	WIF-03-T04	Screw-centrifugal sewage pump
WIF-03-T05	Submersible slurry pump	WIF-03-T06	Froth slurry pump
WIF-03-T07	Condensate pump	WIF-03-T08	Machine coolant pump

04 Industrial Valves





Ball, butterfly, gate, check valves and manifolds

WIF-04-01	Ball valve	WIF-04-02	Butterfly valve
WIF-04-03	Gate valve	WIF-04-04	Globe valve
WIF-04-05	Check valve	WIF-04-06	Knife gate valve
WIF-04-07	Plug valve	WIF-04-08	Needle valve
WIF-04-S01	L-port / T-port three-way ball valve	WIF-04-S02	Three-piece threaded ball valve
WIF-04-S03	V-port control ball valve	WIF-04-S04	Wafer butterfly valve
WIF-04-S05	Uni- / bidirectional knife gate valve	WIF-04-S06	Dual-plate wafer check valve
WIF-04-S07	Bellows-sealed globe valve	WIF-04-S08	2 / 3 / 5-valve manifold
WIF-04-T01	Fully welded ball valve	WIF-04-T02	Trunnion ball valve
WIF-04-T03	Fluoropolymer-lined ball valve	WIF-04-T04	Lug butterfly valve
WIF-04-T05	Double-offset butterfly valve	WIF-04-T06	Triple-offset butterfly valve
WIF-04-T07	Swing check valve	WIF-04-T08	Lift check valve

05 Flow Control Valves





Control, reducing, relief, solenoid valves and steam traps

WIF-05-01	Control valve	WIF-05-02	Pressure reducing valve
WIF-05-03	Safety valve	WIF-05-04	Pressure relief valve
WIF-05-05	Balancing valve	WIF-05-06	Diaphragm valve
WIF-05-07	Solenoid valve	WIF-05-08	Float valve
WIF-05-S01	Inverted bucket steam trap	WIF-05-S02	Float steam trap
WIF-05-S03	Thermodynamic disc steam trap	WIF-05-S04	Bimetallic / capsule steam trap
WIF-05-S05	Automatic air vent	WIF-05-S06	Vacuum breaker
WIF-05-S07	Static balancing valve	WIF-05-S08	Remote float valve
WIF-05-T01	Pressure-independent balancing valve	WIF-05-T02	Differential-pressure control valve
WIF-05-T03	Pilot-operated reducing valve	WIF-05-T04	Direct-acting reducing valve
WIF-05-T05	Pneumatic pinch valve	WIF-05-T06	Pneumatic angle-seat valve
WIF-05-T07	Back-pressure regulator	WIF-05-T08	Automatic recirculation valve

06 Valve Actuators





Electric and pneumatic actuation, positioners and switches

WIF-06-01	Electric actuator	WIF-06-02	Pneumatic actuator
WIF-06-03	Valve positioner	WIF-06-04	Limit switch
WIF-06-05	Manual gearbox	WIF-06-S01	On-off electric actuator
WIF-06-S02	Modulating electric actuator	WIF-06-S03	Spring-return pneumatic actuator
WIF-06-S04	Double-acting scotch-yoke actuator	WIF-06-S05	Electropneumatic positioner
WIF-06-S06	Valve control head	WIF-06-S07	Standalone limit switch box
WIF-06-S08	Declutchable manual gearbox	WIF-06-T01	NAMUR solenoid pilot valve
WIF-06-T02	Air filter regulator	WIF-06-T03	Pneumatic volume booster
WIF-06-T04	Quick exhaust valve	WIF-06-T05	One-way flow control valve
WIF-06-T06	Valve position transmitter	WIF-06-T07	Linear electric actuator
WIF-06-T08	Pneumatic diaphragm actuator		

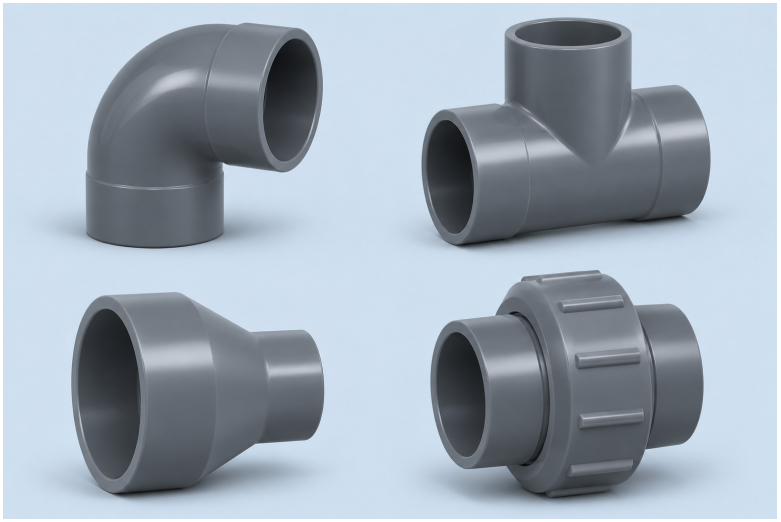
07 Industrial Pipes & Tubing



CPVC, PE100, PVDF and PTFE pipe / tubing

WIF-07-05	Industrial plastic pipe	WIF-07-S06	Industrial PVC-U pipe
WIF-07-S07	Industrial PP-H pipe	WIF-07-T01	Industrial PVDF pipe
WIF-07-T02	Industrial CPVC pipe	WIF-07-T03	Industrial PE100 pipe
WIF-07-T04	PFA tubing	WIF-07-T05	PTFE tubing

08 Pipe Fittings & Flanges



PVC-U elbow, tee, reducer and union

WIF-08-U01
PVC-U equal tee
PVC-U; DIN series; PN16; d25–400 mm

WIF-08-U02
PVC-U female coupling
PVC-U; DIN series; PN16

WIF-08-U03
PVC-U 45° elbow
PVC-U; DIN series; PN16

WIF-08-U04
PVC-U union
PVC-U; DIN series; PN16; d20–110 mm

WIF-08-U05
PVC-U blind flange
PVC-U; DIN series; PN16

WIF-08-U06
PVC-U reducing bushing
PVC-U; DIN series; PN16

WIF-08-U07
PVC-U lap-joint flange
PVC-U; DIN series; PN16

WIF-08-U08
PVC-U end cap
PVC-U; DIN series; PN16; d20–315 mm

WIF-08-U09
PVC-U cross
PVC-U; DIN series; PN16

WIF-08-U10
PVC-U 90° elbow
PVC-U; DIN series; PN16; d20–400 mm

WIF-08-V01 PVC-U reducer

09 Industrial Hoses





Rubber, process, metal and layflat hoses

WIF-09-01	Water hose	WIF-09-02	Oil hose
WIF-09-03	Chemical hose	WIF-09-04	Steam hose
WIF-09-05	Food-process hose	WIF-09-06	Abrasion-resistant hose
WIF-09-07	Metal hose	WIF-09-08	PTFE hose
WIF-09-S01	Conductive PTFE hose assembly	WIF-09-S02	Reinforced silicone process hose
WIF-09-S03	Flanged metal hose	WIF-09-S04	Layflat discharge hose
WIF-09-S05	Spiral-reinforced suction hose	WIF-09-S06	Abrasion-resistant slurry hose
WIF-09-S07	Steam hose assembly	WIF-09-S08	Oil-resistant rubber hose
WIF-09-T01	Composite chemical hose	WIF-09-T02	Composite oil hose
WIF-09-T03	Sandblast hose	WIF-09-T04	Food bulk-material hose
WIF-09-T05	Potable-water transfer hose	WIF-09-T06	UHMWPE-lined chemical hose
WIF-09-T07	Hot-water washdown hose	WIF-09-T08	Conductive PU suction hose

10 Fluid Couplings & Connectors





Camlock, hose, container and repair connections

WIF-10-01	Quick coupling	WIF-10-02	Camlock coupling
WIF-10-03	Dry disconnect coupling	WIF-10-04	Rotary union
WIF-10-05	Hose fitting	WIF-10-06	Pipe repair coupling
WIF-10-07	Industrial clamp	WIF-10-S01	IBC adapter
WIF-10-S02	Flanged camlock coupling	WIF-10-S03	Reducing camlock coupling
WIF-10-S04	Dry disconnect coupling set	WIF-10-S05	Ball-and-socket lever coupling
WIF-10-S06	Symmetrical claw liquid coupling	WIF-10-S07	Single-band stainless repair clamp
WIF-10-S08	Double-band pipe repair clamp	WIF-10-T01	Emergency breakaway coupling
WIF-10-T02	Steam quick coupling	WIF-10-T03	Safety compressed-air coupling
WIF-10-T05	Hygienic threaded union	WIF-10-T06	Double-barb hose mender
WIF-10-T07	Worm-drive hose clamp	WIF-10-T08	T-bolt hose clamp

11 Industrial Filtration

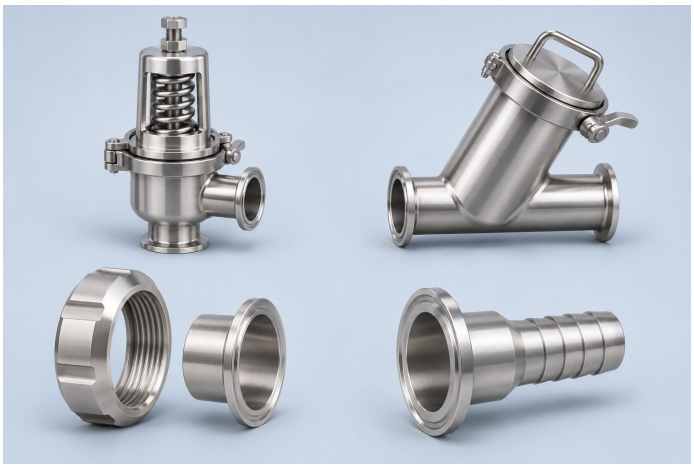




Filter housings, duplex filters and filter elements

WIF-11-01	Y-strainer	WIF-11-02	Basket strainer
WIF-11-03	Bag filter	WIF-11-04	Cartridge filter
WIF-11-05	Self-cleaning filter	WIF-11-06	Filter housing
WIF-11-07	Filter cartridge	WIF-11-08	Filter bag
WIF-11-09	Filter mesh	WIF-11-S01	Duplex basket strainer
WIF-11-S02	Multi-bag filter	WIF-11-S03	Multi-cartridge filter
WIF-11-S04	Scraper self-cleaning filter	WIF-11-S05	Backwash filter
WIF-11-S06	Wedge-wire element	WIF-11-S07	Sintered metal cartridge
WIF-11-S08	Steam-water separator	WIF-11-T01	Magnetic liquid filter
WIF-11-T02	Temporary cone strainer	WIF-11-T03	Disc screen pack
WIF-11-T04	Activated carbon cartridge	WIF-11-T05	PP melt-blown cartridge
WIF-11-T06	PP pleated cartridge	WIF-11-T07	PTFE membrane cartridge
WIF-11-T08	Gas filter housing		

12 Hygienic Flow Products





Hygienic valves, strainers, connectors and sight glasses

WIF-12-01	Hygienic centrifugal pump	WIF-12-02	Hygienic rotary lobe pump
WIF-12-03	Hygienic ball valve	WIF-12-04	Hygienic butterfly valve
WIF-12-05	Hygienic diaphragm valve	WIF-12-06	Sampling valve
WIF-12-07	Hygienic fitting	WIF-12-08	Hygienic clamp
WIF-12-S01	Hygienic mixproof valve	WIF-12-S02	Hygienic tank-bottom valve
WIF-12-S03	Hygienic sight glass	WIF-12-S04	Diaphragm sampling valve
WIF-12-S05	Hygienic divert valve	WIF-12-S06	Hygienic check valve
WIF-12-S07	Pneumatic hygienic diaphragm valve	WIF-12-S08	Hygienic diaphragm gauge assembly
WIF-12-T01	Hygienic powder-liquid mixing unit	WIF-12-T02	Hygienic pressure relief valve
WIF-12-T03	Hygienic vacuum relief valve	WIF-12-T04	Hygienic angle strainer
WIF-12-T05	Hygienic in-line strainer	WIF-12-T06	Hygienic rotary union
WIF-12-T07	Hygienic sampling port	WIF-12-T08	Hygienic hose barb adapter

13 Fluid Sealing Products

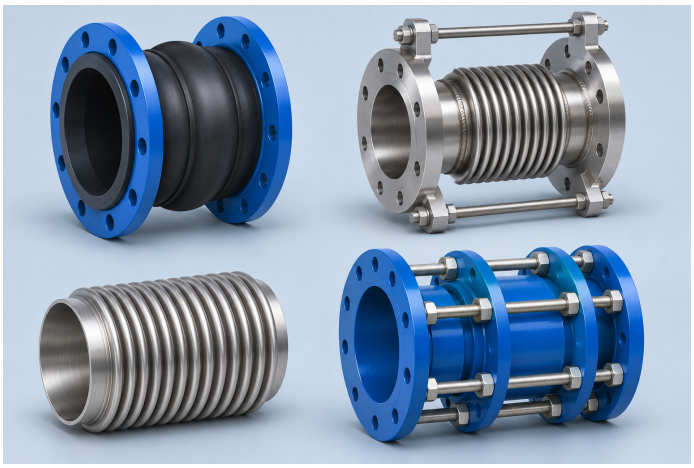




Mechanical seals, gaskets, O-rings and packing

WIF-13-01	Mechanical seal	WIF-13-02	Spiral wound gasket
WIF-13-03	Graphite gasket	WIF-13-04	PTFE gasket
WIF-13-05	Elastomer seal	WIF-13-06	Braided packing
WIF-13-S01	Cartridge mechanical seal	WIF-13-S02	Double mechanical seal
WIF-13-S03	Seal support system	WIF-13-S04	Ring-type joint gasket
WIF-13-S05	PTFE envelope gasket	WIF-13-S06	Expanded PTFE sealing tape
WIF-13-S07	Braided graphite packing	WIF-13-S08	O-ring and seal kit
WIF-13-T01	Hydraulic U-cup seal	WIF-13-T02	V-packing set
WIF-13-T03	X-ring seal	WIF-13-T04	Bonded sealing washer
WIF-13-T05	Rotary shaft lip seal	WIF-13-T06	Spring-energized PTFE seal
WIF-13-T07	Encapsulated O-ring	WIF-13-T08	Drawing-cut flat gasket

14 Expansion Joints & Bellows





Rubber and metal expansion joints; dismantling joints

WIF-14-01	Rubber expansion joint	WIF-14-02	Metal expansion joint
WIF-14-03	Metal bellows	WIF-14-04	Telescopic joint
WIF-14-05	Flexible connector	WIF-14-06	Dismantling joint
WIF-14-S01	Twin-sphere rubber expansion joint	WIF-14-S02	Reducing rubber expansion joint
WIF-14-S03	Hinged metal expansion joint	WIF-14-S04	Tied universal expansion joint
WIF-14-S05	Gimbal expansion joint	WIF-14-S06	Axial bellows expansion joint
WIF-14-S07	Double-flange dismantling joint	WIF-14-S08	Fabric expansion joint
WIF-14-T01	PTFE bellows expansion joint	WIF-14-T02	Fluoropolymer-lined rubber joint
WIF-14-T03	Restrained flanged joint	WIF-14-T04	Universal flange adapter
WIF-14-T05	Single-flange telescopic joint	WIF-14-T06	Flexible expansion loop
WIF-14-T07	Pressure-balanced bellows joint	WIF-14-T08	Rectangular metal expansion joint

15 Flow Measurement





Magnetic, turbine, ultrasonic and displacement metering

WIF-15-01	Electromagnetic flowmeter	WIF-15-02	Turbine flowmeter
WIF-15-03	Ultrasonic flowmeter	WIF-15-04	Vortex flowmeter
WIF-15-05	Variable-area flowmeter	WIF-15-06	Mass flowmeter
WIF-15-S01	Clamp-on ultrasonic flowmeter	WIF-15-S02	Insertion electromagnetic flowmeter
WIF-15-S03	Thermal gas mass flowmeter	WIF-15-S04	Coriolis mass flowmeter
WIF-15-S05	Orifice differential-pressure assembly	WIF-15-S06	Metal-tube variable-area flowmeter
WIF-15-S07	Oval gear flowmeter	WIF-15-S08	Hygienic turbine flowmeter
WIF-15-T01	Insertion vortex flowmeter	WIF-15-T02	Open-channel ultrasonic metering
WIF-15-T03	Electromagnetic batch control set	WIF-15-T04	Gear flowmeter
WIF-15-T05	Piston displacement meter	WIF-15-T06	Paddlewheel flow sensor
WIF-15-T07	Glass-tube variable-area meter	WIF-15-T08	Averaging pitot assembly

16 Pressure & Level Instruments

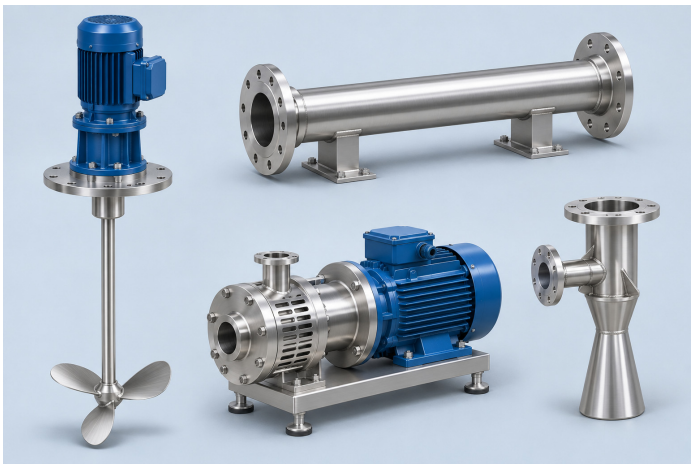




Pressure, level, switches and remote diaphragm seals

WIF-16-01	Pressure gauge	WIF-16-02	Pressure transmitter
WIF-16-03	Pressure switch	WIF-16-04	Level gauge
WIF-16-05	Level switch	WIF-16-06	Level transmitter
WIF-16-S01	Tuning-fork level switch	WIF-16-S02	Guided-wave radar level transmitter
WIF-16-S03	Radar level transmitter	WIF-16-S04	Submersible hydrostatic transmitter
WIF-16-S05	Electronic pressure switch	WIF-16-S06	Remote diaphragm seal assembly
WIF-16-S07	Magnetic flap level gauge	WIF-16-S08	Float level switch
WIF-16-T01	Differential pressure gauge	WIF-16-T02	Vacuum gauge
WIF-16-T03	Capsule low-pressure gauge	WIF-16-T04	Capacitance level switch
WIF-16-T05	Vibrating rod level switch	WIF-16-T06	Ultrasonic level transmitter
WIF-16-T07	Magnetostrictive level meter	WIF-16-T08	Level transmitting controller

17 Fluid Mixing Products





Agitators, in-line mixers, static elements and ejectors

WIF-17-01	Industrial agitator	WIF-17-02	Static mixer
WIF-17-03	In-line mixer	WIF-17-04	Mixing nozzle
WIF-17-S01	Portable clamp-mounted agitator	WIF-17-S02	Side-entry agitator
WIF-17-S03	Top-entry geared agitator	WIF-17-S04	In-line high-shear emulsifier
WIF-17-S05	Removable static mixer element	WIF-17-S06	Flanged static mixer
WIF-17-S07	Tank jet mixer	WIF-17-S08	Gas-liquid ejector
WIF-17-T01	Anchor scraper agitator	WIF-17-T02	Helical ribbon agitator
WIF-17-T03	Bottom-entry magnetic agitator	WIF-17-T04	Pneumatic drum agitator
WIF-17-T05	Magnetic stirring unit	WIF-17-T06	High-speed disperser
WIF-17-T07	Tank baffle set	WIF-17-T08	In-line powder-liquid mixer

18 Industrial Nozzles

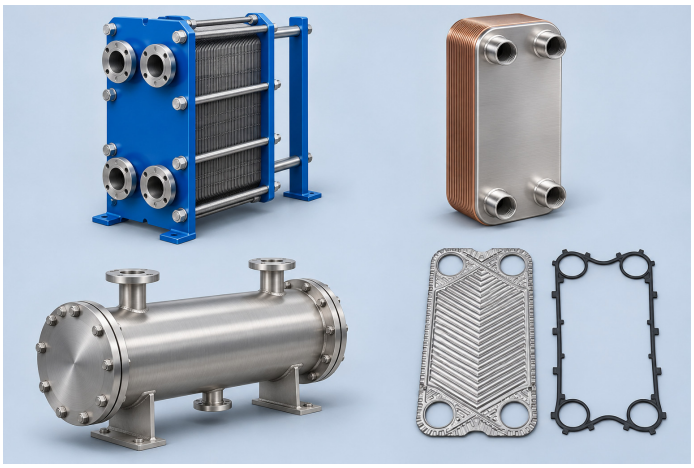


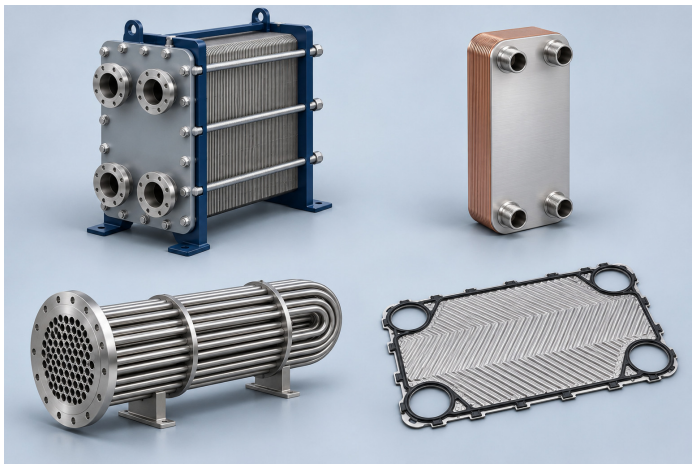


Flat fan, cone, atomizing and tank cleaning nozzles

WIF-18-01	Spray nozzle	WIF-18-02	Atomizing nozzle
WIF-18-03	Cleaning nozzle	WIF-18-04	Cooling nozzle
WIF-18-05	Flat fan nozzle	WIF-18-06	Spiral nozzle
WIF-18-S01	Rotary tank cleaning head	WIF-18-S02	Rotating spray ball
WIF-18-S03	Twin-fluid air atomizing nozzle	WIF-18-S04	Full cone nozzle
WIF-18-S05	Hollow cone nozzle	WIF-18-S06	Quick-release flat fan nozzle
WIF-18-S07	Slotted flat fan nozzle	WIF-18-S08	Spiral full cone nozzle
WIF-18-T01	Air knife nozzle	WIF-18-T02	High-pressure mist nozzle
WIF-18-T03	Multi-head atomizing nozzle	WIF-18-T04	Adjustable ball nozzle
WIF-18-T05	Ceramic nozzle insert	WIF-18-T06	Fixed spray ball
WIF-18-T07	Compressed-air blow-off nozzle	WIF-18-T08	Clamp-on nozzle mount

19 Heat Transfer Products





Plate, brazed and shell-and-tube exchangers; components

WIF-19-01	Plate heat exchanger	WIF-19-02	Brazed plate heat exchanger
WIF-19-03	Shell-and-tube heat exchanger	WIF-19-04	Heat exchanger plates and gaskets
WIF-19-S01	Wide-gap plate heat exchanger	WIF-19-S02	Fully welded plate-block exchanger
WIF-19-S03	Gasketed plate heat exchanger	WIF-19-S04	Copper-brazed plate heat exchanger
WIF-19-S05	Nickel-brazed plate heat exchanger	WIF-19-S06	U-tube shell-and-tube exchanger
WIF-19-S07	Heat exchanger tube bundle	WIF-19-S08	Plate and gasket maintenance kit
WIF-19-T01	Spiral plate heat exchanger	WIF-19-T02	Double-pipe heat exchanger
WIF-19-T03	Pillow-plate heat transfer panel	WIF-19-T04	Scraped-surface heat exchanger
WIF-19-T05	Air-cooled finned exchanger	WIF-19-T06	Shell-and-tube condenser
WIF-19-T07	Plate evaporator	WIF-19-T08	Immersion coil heat exchanger

20 Fluid Equipment Parts



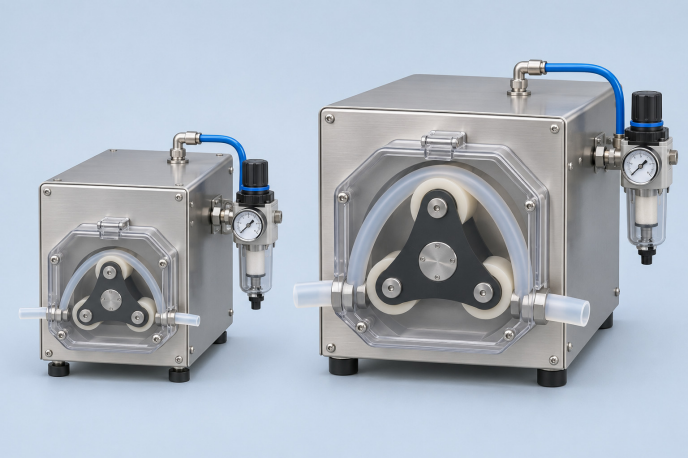


Pump and valve parts, seal kits and actuator connections

WIF-20-01	Pump casing	WIF-20-02	Impeller
WIF-20-03	Pump shaft	WIF-20-04	Wear ring
WIF-20-05	Valve body	WIF-20-06	Valve trim
WIF-20-07	Valve stem	WIF-20-08	Valve seat
WIF-20-09	Valve disc	WIF-20-10	Repair kit
WIF-20-S01	Model-matched pump repair kit	WIF-20-S02	Valve seat and stem seal kit
WIF-20-S03	Pneumatic actuator repair kit	WIF-20-S04	Pump shaft sleeve
WIF-20-S05	Impeller wear ring set	WIF-20-S06	Actuator reducer insert
WIF-20-S07	Actuator drive shaft	WIF-20-S08	Butterfly disc and seat set
WIF-20-T01	Pump bearing housing	WIF-20-T03	Coupling and elastomer
WIF-20-T04	Packing gland	WIF-20-T05	Balance disc and drum
WIF-20-T06	Mechanical seal chamber cover	WIF-20-T07	Check valve disc and spring kit
WIF-20-T08	Coupling guard		

Precision transfer & dispensing

Series specifications





WIF-02-U01

Pneumatic peristaltic pump compact

Speed 150–600 rpm; rated air 0.6 MPa; max air consumption 3.7 L/s; drive 446 × 223 × 301 mm

WIF-02-U02

Pneumatic peristaltic pump large-head

Speed 150–600 rpm; rated air 0.6 MPa; max air consumption 4.4 L/s; drive 478 × 243 × 301 mm

WIF-02-U03

Digital dispensing pump 200 Plus

Speed 0.01–200 rpm; 60 W; 100–240 V AC, 50/60 Hz; RS485 / Modbus RTU; IP32

WIF-02-U04

Digital dispensing pump 200

Speed 0.01–200 rpm; 30 W; 100–240 V AC, 50/60 Hz; RS485 / Modbus RTU; IP32

WIF-02-U05

Digital dispensing pump 400

Speed 0.01–400 rpm; 50 W; 100–240 V AC, 50/60 Hz; RS485 / Modbus RTU; IP32

WIF-02-U06

Digital dispensing pump 650

Speed 0.01–650 rpm; 70 W; 100–240 V AC, 50/60 Hz; RS485 / Modbus RTU; IP32

Pressure, temperature and flow limits depend on size, material and configuration.

Instrument needle valves

Series specifications



WIF-04-U01

Forged-body needle valve

Series pressure ceiling 413 bar; straight / angle pattern; PTFE / graphite packing options

WIF-04-U02

Heavy-wall needle valve

Series pressure ceiling 689 bar; straight / angle pattern; PTFE / graphite packing options

WIF-04-U03

Union-bonnet needle valve

Series pressure ceiling 413 bar; straight / angle pattern; PTFE / graphite packing options

WIF-04-U04

Integral-bonnet needle valve

Series pressure ceiling 344 bar; straight / angle patterns

WIF-04-U05

Compact needle valve

Series pressure ceiling 413 bar; straight / angle patterns

WIF-04-U06

Toggle needle valve

Series pressure ceiling 20.6 bar; straight / angle patterns

WIF-04-U07

Nonrotating-stem needle valve

Series pressure ceiling 206 bar; straight / angle patterns

Pressure, temperature and flow limits depend on size, material and configuration.

Sealed isolation & back-pressure control

Series specifications





WIF-04-U08

Instrument bellows-sealed valve

Series pressure ceiling 68.9 bar; Cv 0.12–1.2; metal bellows seal

WIF-04-U09

Secondary-containment bellows valve

Multilayer hydroformed bellows; upper backup packing; nonrotating stem tip

WIF-04-U10

Low-pressure bellows valve

Series pressure ceiling 34.4 bar; Cv 0.3 / 0.7; packless design

WIF-05-U18

Piston back-pressure regulator

Inlet ceiling 55.1 bar; control ranges 2.75–10.3 / 2.75–20.6 / 6.89–48.2 / 6.89–55.1 bar; Cv 0.10

WIF-05-U19

High-pressure back-pressure regulator

Inlet ceiling 689 bar; piston sensed; gas / liquid service

WIF-05-U20

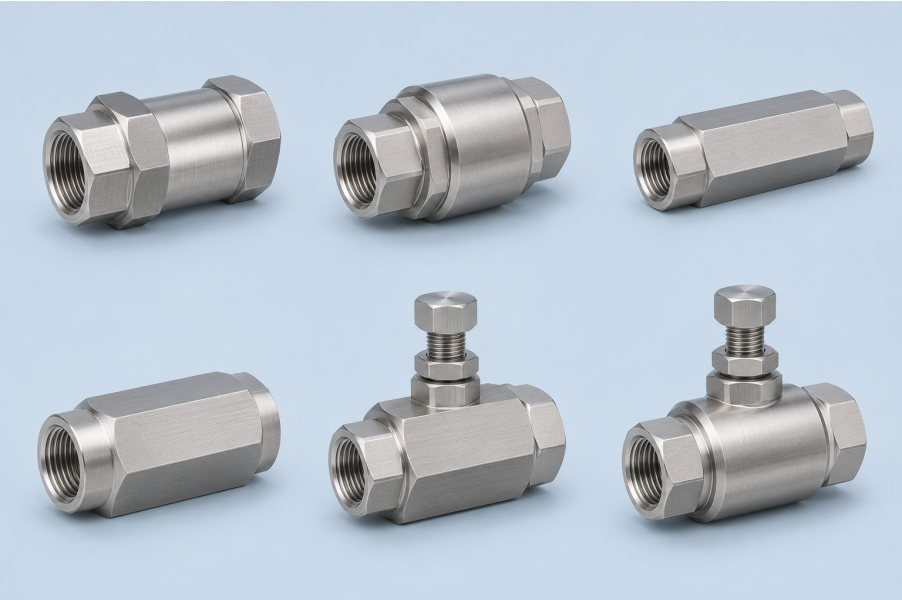
Low-pressure back-pressure regulator

Inlet ceiling 17.2 bar

Pressure, temperature and flow limits depend on size, material and configuration.

Instrument check valves

Series specifications



WIF-04-U11

Fixed-cracking-pressure check valve

Series pressure ceiling 206 bar; Cracking pressure 0.02–1.7 bar

WIF-04-U12

Bonded-elastomer check valve

Series pressure ceiling 413 bar; Cracking options 0.03 / 0.07 / 0.21 / 0.69 / 1.7 bar

WIF-04-U13

All-metal instrument check valve

Series pressure ceiling 413 bar; No spring or elastomer

WIF-04-U14

One-piece instrument check valve

Series pressure ceiling 206 bar; O-ring seal; fixed cracking pressure

WIF-04-U15

One-piece adjustable check valve

Series pressure ceiling 206 bar; Cracking range 0.21–41.3 bar

WIF-04-U16

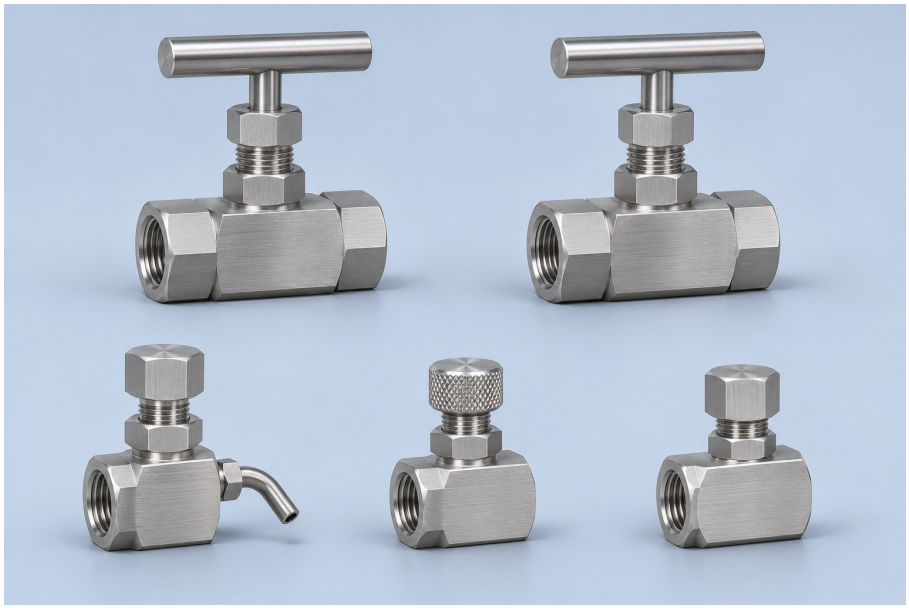
Adjustable spring check valve

Series pressure ceiling 206 bar; Cracking range 0.21–41.3 bar; locking screw

Pressure, temperature and flow limits depend on size, material and configuration.

Gauge, bleed & purge valves

Series specifications



WIF-04-U17

General gauge valve

Series pressure ceiling 413 bar; orifice 4.0 mm; nonrotating lower stem

WIF-04-U18

High-pressure gauge valve

Series pressure ceiling 689 bar; orifice 4.0 mm; nonrotating lower stem

WIF-05-U09

Vent-tube bleed valve

Series pressure ceiling 689 bar; compact threaded construction

WIF-05-U10

Compact purge valve

Series pressure ceiling 275 bar; compact threaded construction

WIF-05-U11

Compact bleed valve

Series pressure ceiling 689 bar; compact threaded construction

Pressure, temperature and flow limits depend on size, material and configuration.

Metering & proportional relief

Series specifications





WIF-05-U01

Fine metering valve

Series pressure ceiling 137 bar; orifice 0.81 mm; stem taper 1°; not for shutoff

WIF-05-U02

Precision metering valve

Series pressure ceiling 68.9 bar; orifice 1.42 mm; stem taper 3°; not for shutoff

WIF-05-U03

General metering needle valve

Series pressure ceiling 68.9 bar; orifice 3.25 mm; stem taper 6°; shutoff available

WIF-05-U04

High-pressure metering valve

Series pressure ceiling 344 bar; orifice 1.6 mm; stem taper 2°; shutoff available

WIF-05-U05

High-pressure proportional relief valve

Series set-pressure range 3.4–413 bar; gas / liquid service; spring-dependent setting

WIF-05-U06

Low-pressure proportional relief valve

Series set-pressure range 0.68–15.5 bar; gas / liquid service; spring-dependent setting

WIF-05-U07

Medium-pressure proportional relief valve

Series set-pressure range 3.4–103 bar; gas / liquid service; spring-dependent setting

WIF-05-U08

Precision proportional relief valve

Series set-pressure range 0.34–37.9 bar; gas / liquid service; spring-dependent setting

Pressure, temperature and flow limits depend on size, material and configuration.

Pressure regulators

Series specifications



WIF-05-U12

General instrument regulator

Inlet ceiling 241 bar; outlet ranges 0 to 1.7 / 3.4 / 6.9 / 17.2 / 34.5 bar; Cv 0.06

WIF-05-U13

High-flow instrument regulator

Inlet ceiling 206 bar; outlet ranges 0 to 1.7 / 3.4 / 6.9 / 8.6 / 17.2 bar; Cv 1.0

WIF-05-U14

Piston-sensed regulator

Inlet ceiling 413 bar; outlet ranges 0 to 17.2 / 34.4 / 103.4 / 172 bar; Cv 0.06

WIF-05-U15

High-inlet-pressure regulator

Maximum inlet 689 bar at 21°C

WIF-05-U16

Compact gas regulator

Maximum inlet 248 bar; compact construction

WIF-05-U17

Ultra-high-flow regulator

Inlet ratings 206 / 413 bar at 21°C; Cv 3.5

WIF-05-U21

Two-stage cylinder regulator

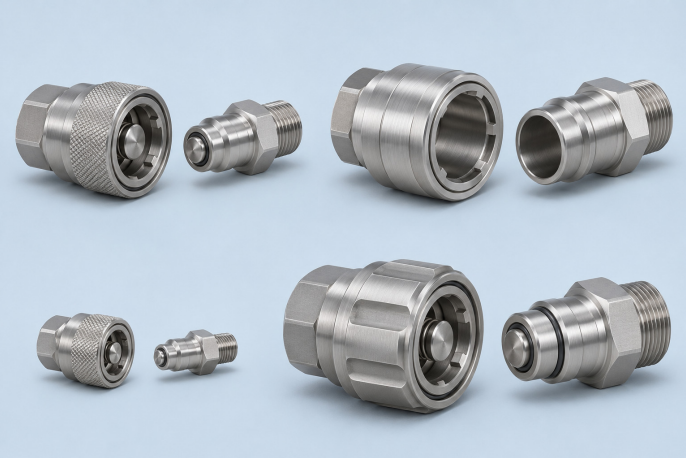
Inlet ceiling 207 bar; outlet ranges 0 to 1.7 / 3.4 / 6.9 / 10.3 bar; Cv 0.05

Pressure, temperature and flow limits depend on size, material and configuration.

Instrument hoses & quick connections

Series specifications





WIF-09-U01

Small-bore braided metal hose

Sizes 1/4–1 in; 316L core / 304 braid; series pressure ceiling 213 bar

WIF-10-U01

Shutoff instrument quick coupling

Series pressure ceiling 206 bar; sleeve-operated quick connection

WIF-09-U02

Smooth-bore PTFE braided hose

Sizes 3/16–7/8 in; PTFE core / 304 braid; series pressure ceiling 206 bar

WIF-10-U02

Full-flow quick coupling

Series pressure ceiling 413 bar; sleeve-operated quick connection

WIF-09-U03

Push-on rubber hose

Sizes 1/4–1 in; Buna N core / fiber reinforcement; series pressure ceiling 24.1 bar

WIF-10-U03

Miniature quick coupling

Series pressure ceiling 275 bar; sleeve-operated quick connection

WIF-09-U04

High-pressure thermoplastic hose

Series pressure ceiling 10,000 psig; single / double braid options

WIF-10-U04

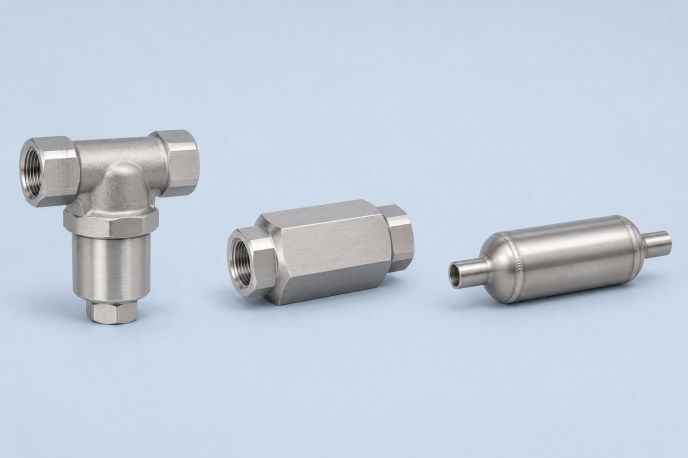
General high-pressure quick coupling

Series pressure ceiling 344.8 bar; sleeve-operated quick connection

Pressure, temperature and flow limits depend on size, material and configuration.

Filtration & level monitoring

Series specifications





WIF-11-U01

Tee-type instrument filter

Connection series 1/8–1 in / 6–25 mm; nominal pores 0.5 / 2 / 7 / 15 / 40 / 60 / 90 μm; pressure ceiling 413 bar

WIF-16-U01

Submersible level transmitter

Probe Ø26 mm; selectable full scales 1–200 mH□O; accuracy options ±0.25 / ±0.5 / ±1% FS; IP68

WIF-11-U02

In-line instrument filter

Connection series 1/8–1 in / 6–25 mm; nominal pores 0.5 / 2 / 7 / 15 / 40 / 60 / 90 μm; pressure ceiling 206 bar

WIF-16-U02

Ultrasonic level meter

Ranges 5 / 10 / 15 / 20 / 30 / 40 / 50 m; 4–20 mA; accuracy ±0.5–1.0% FS; split probe IP68

WIF-11-U03

All-welded instrument filter

Connection series 1/8–1 in / 6–25 mm; nominal pores 0.5 / 2 / 7 / 15 / 40 / 60 / 90 μm; pressure ceiling 413 bar

WIF-16-U03

Level indicating controller

Selectable full scales 1–20 mH□O; analog options 4–20 mA / 0–10 mA / 0–20 mA / 0–5 V / 1–5 V; RS485

Pressure, temperature and flow limits depend on size, material and configuration.

Contact us



Winstone Industrial Tech Co., Ltd.

Email

info@winstoneglobal.com

WhatsApp

+86 158 6784 1246

Website

www.winstoneflow.com

Address

Room 35A04, Tower A, Ningbo Center,
Yinzhou District, Ningbo, Zhejiang, China