

PRODUCT CATALOGUE · 2026

Industrial automation components

Pneumatics, stainless steel cylinders, vacuum, sensors and machine safety, control systems, drives, process cooling, valves and fittings and machined parts — from leading manufacturers, through one supplier, on one invoice.

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4-5	Stainless steel cylinders · Food-grade fittings AISI 304 / 316 cylinders, food-grade fittings, stainless valves	INO · Aignep
6-8	Vacuum · Sensors · Machine vision Ejectors, suction cups, sensors, safety, encoders	Piab · Datasensing Omron · Keyence
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19-26	Valves & fittings Shut-off and actuated valves, stainless, hygienic, building	INO
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Orders and quotations

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INO Automation SIA

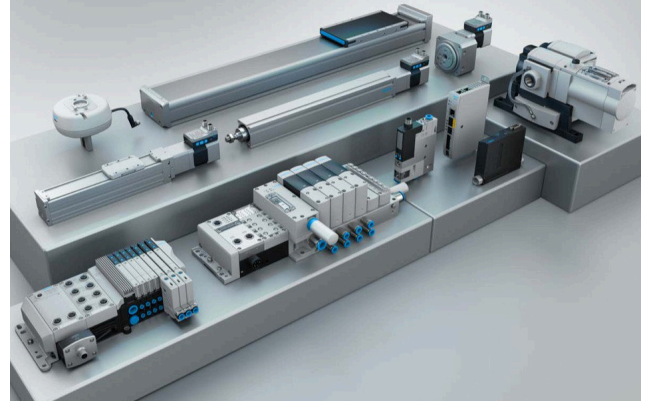
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As a global market leader, SMC responds to customer expectations for convenience and efficiency with extensive product range for **one-stop shop** experience.



ALSO SUPPLIED BY INO





Cylinders

Series 63 · 61 · 32 · 31 · 24 / 25 · QP · 52

STANDARD

Series 63 ISO 15552 · Series 61 aluminium profile · Series 32 compact ISO 21287 · Series 16 / 23 / 24 / 25 mini-cylinders

SPECIAL

Short-stroke, guided, twin, rodless and rotary cylinders · stainless steel Series 90, 94 / 95, 97



Valves & valve islands

Series 3 · 4 · EN · NA · 7 · 9 · D · F · HN

VALVES

Solenoid, pneumatic, mechanical and manual valves · flow control, quick exhaust and blocking valves

VALVE ISLANDS

Series D (sizes 1, 2, 4, 5), F, HN, Y and 3 Plug-In · multipole and fieldbus



Air treatment

Series MD · MX · MC · N

UNITS

Filters, coalescing and activated carbon filters, regulators, filter-regulators, lubricators · assembled FRL

SAFETY

Lockable isolation valves, soft start valves, MX SAFEMAX quick exhaust safety valves



Fittings & tubing

Series 6000 · 8000 · 7000 · X6000 · 1000 · 2000 · 5000

FITTINGS

Super-rapid push-in fittings in brass, technopolymer (Pfit) and stainless steel · push-on and pipe fittings

COUPLINGS AND TUBES

Quick-release couplings Series 5000 · tubes and spirals, tube cutters



Vacuum · grippers

Series VE · VT · VP · CG

VACUUM

Basic, inline and compact ejectors · flat and bellows suction pads, vacuum filters

GRIPPERS

Parallel, angular, radial and three-jaw grippers · sprue grippers · cobot grippers · robot tool changer



Proportional & electric actuation

Series K8P · AP · PRE · MX-PRO · 6E · 3E · 5E

PROPORTIONAL

Proportional valves and pressure regulators, digital servo valves

ELECTRIC

Electromechanical cylinders Series 6E and 3E, axes Series 5E and 5V · drives, motors and gearboxes



Magnetic proximity switches

Series CST · CSV · CSB · CSC · CSD · CSN · CSG

FUNCTION

Piston position detection on cylinders, grippers and slides with magnetic piston

RANGE

Seven series to match the sensor slots of the different actuator profiles



Electronic pressure and vacuum switches

Series SWMN · SWMS · SWDN · SWCN

FUNCTION

Monitoring of pressure and vacuum in pneumatic circuits and at vacuum grippers

RANGE

Compact SWMN / SWMS switches · SWDN and SWCN vacuum / pressure switches



Pressure switches · transducers · indicators

Series PM · TRP · 2950

FUNCTION

Pressure switching, pressure-to-signal conversion and visual pressure indication



Flow sensors

Series FS · FSX

FUNCTION

Measuring compressed air flow for consumption monitoring and leak detection



Positioning feedback cylinders

Series 6PF, ISO 15552

FUNCTION

Cylinders with integrated position feedback over the whole stroke



Z

ISO 6432 micro cylinders

SIZES

Ø10 - 40

VERSIONS

Double acting, double rod, single acting (spring), anti-rotation · cushioning option

MATERIALS

AISI 304 tube and covers, AISI 316 rod · crimped round tube



J

Round cylinders

SIZES

Ø32 - 63

VERSIONS

Double acting, double rod · magnetic piston

MATERIALS

AISI 304 · crimped tube



V

Round cylinders AISI 316, for wash-down and chemical areas

SIZES

Ø32 - 63

VERSIONS

Double acting, double rod

MATERIALS

AISI 316 · screwed tube, serviceable



Y

ISO 15552 cylinders

SIZES

Ø32 - 200

VERSIONS

Double acting, double rod, cushioned · guide units

MATERIALS

AISI 304 / 316 · round tube with tie rods



X

ISO 21287 compact cylinders

SIZES

Ø20 - 200

VERSIONS

Single / double acting, anti-rotation, double rod

MATERIALS

AISI 304 / 316 · round tube with tie rods



60000 Series

Push-in fittings in stainless steel AISI 316L

SIZES

Tube Ø4 - 16 mm · threads M5, 1/8 - 1/2 and metric M12x1 - M27x1.5

SHAPES

Straight, elbow, tee, Y, bulkhead, reducers · taper and parallel threads

USE

Food compatibility and resistance in very aggressive environments



53000 - 53000X Series

Food-grade push-in fittings in PPSU

MATERIALS

PPSU body · threaded parts in brass CW510L (53000) or stainless steel (53000X)

SIZES

Tube Ø4 - 12 mm · threads M5, 1/8 - 1/2

USE

Food liquids and water, also at high temperature



62000 Series · GHINOX

Adapters and mini ball valves in stainless steel AISI 316L

ADAPTERS

Nipples, reducers, sleeves, plugs, hose adapters, tees and elbows · threads M5 - 1"

BALL VALVES

GHINOX mini ball valves made entirely of AISI 316L



FLUIDITY X2F · X4F

Solenoid valves with body in stainless steel AISI 316L

X2F DIRECT ACTING

2/2 and 3/2, NC or NO · 1/4" · orifice up to 5 mm · seals NBR, FKM, EPDM, PTFE, CR

X4F SERVO-ASSISTED

2/2 NC, NO or latching · 1/4" - 1" · orifice 10 - 25 mm · seals NBR, FKM, EPDM

ALSO AVAILABLE

Brass body versions, ATEX versions, coils and connectors



FLUIDITY X1Y · X2Y · X7F

Angle seat and coaxial valves in stainless steel AISI 316L

X1Y / X2Y ANGLE SEAT

2/2 NC, inlet below seat · 3/8" - 2" · orifice 10 - 50 mm · PTFE seal · technopolymer or stainless steel actuator

X7F COAXIAL

2/2 NC · 3/8" - 2" · orifice 10 - 50 mm · FKM seal



piCOMPACT® · piPUMP · P3010

Compact and stackable vacuum ejectors

TECHNOLOGY

COAX® multi-stage ejectors · up to three times the vacuum flow of a conventional system

RANGE

piCOMPACT®10X and 23 SMART, piPUMP 10x / 23, P3010 with valve and energy saving options



piCLASSIC Neo · P6010

Standard vacuum ejectors

RANGE

piCLASSIC Neo and Neo Inline · P6010 · Multi Circuit Ejector (MCE)

APPLICATIONS

Carton erecting, tray forming, vacuum packing, bags and sacks



piSAFE® · VGS™ 2010

Decentralized ejectors at the point of suction

RANGE

piSAFE® ejector and vacuum safety valve · VGS™2010 · Booster Release Ejector (BRE)

APPLICATIONS

Robot pick and place, bin picking, car body and glass handling



Suction cups & soft grippers

piGRIP®, bellows cups and piSOFTGRIP®

SUCTION CUPS

piGRIP® configurable · BXP DURAFLEX® Ø6 - 110 mm · silicone bellows Ø5 - 150 mm · food-contact, mark-free and ESD versions

SOFT GRIPPERS

piSOFTGRIP® for delicate products and direct food contact



Vacuum lifting

Ergonomic vacuum tube lifters

USE

Lifting and moving boxes, sacks and other loads at packing and palletising stations



piFLOW®

Vacuum conveyors for powders, granules and small parts

SERIES

p high requirement · f food grade · i industrial · t gentle · fc heavy duty · am additive manufacturing

PERFORMANCE

Up to 15 tons per hour · stainless steel body · ATEX certified versions · FDA compliant



piGRIP®

Configurable suction cups

CONCEPT

Lip, bellows and fitting are selected separately to match the product

APPLICATIONS

Automotive, logistics, packaging, plastic part removal, bin picking



BXP · BXP ESD

Bellows and multibellows cups in DURAFLEX®

SIZES

Ø6 - 110 mm

MATERIAL

DURAFLEX® polyurethane, wear-resistant and elastic · ESD version for battery and electronics production

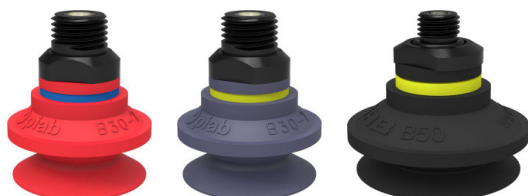


BLFF · BCP

Multibellows cups for boxes and parcels

APPLICATIONS

Boxes and containers, sorting and parcel handling, robot pick and place, slip sheet feeding



B bellows cups

General-purpose bellows suction cups

SILICONE

Ø5 - 150 mm, 18 sizes

HNBR · NITRILE-PVC · CHLOROPRENE

Ø5 - 110 mm · Ø50 - 150 mm · Ø5 - 40 mm



FCM food-contact cups

Bellows cups for direct food contact

COMPLIANCE

FDA and EU food-contact materials · non-detectable and silicone FCM versions

SIZES

B Silicone FCM Ø5 - 150 mm, 16 sizes · B65 FCM · B90 FCM



PAB · mark-free cups

Cups for sheet metal and glass

PAB

Automotive press shop and body shop: racking, bodysides, closures

MARK-FREE

B TPE MF Ø15 - 50 mm, leaves no marks on glass and sheet metal



S5N · S8 · S62 · S100

Photoelectric sensors

FORMATS

Tubular M18 · compact in plastic or inox housing · compact 50 x 50 · universal miniature

MORE

Fiber optic amplifiers, contrast, fork and area sensors, optical fibres and accessories



AE · AH · AT · FM · C12 · C18

Inductive and capacitive sensors

INDUCTIVE

Cylindrical Ø6.5, M8 to M30 · miniature cubic · full metal, NAMUR, analogue and weld field immune versions

CAPACITIVE

Cylindrical M12, M18 and M30



US18 · UQ · UFK · SRF · FC8

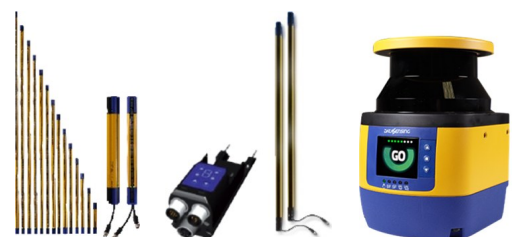
Ultrasonic and fork sensors

ULTRASONIC

Tubular M18 and M30, cubic · full metal versions for food and pharma

FORK SENSORS

Photoelectric and ultrasonic fork sensors for labels and small parts



SG2 · SG4 · SH4 · Laser Sentinel

Safety light curtains and safety laser scanners

LIGHT CURTAINS

Type 2 and Type 4 · base, extended, muting and cascade versions

LASER SCANNERS

Enhanced Laser Sentinel, EVO version with PROFINET / PROFIsafe

ACCESSORIES

Safety relays, muting arms and lamps, mirrors, floor supports



ENC58 · AST58 · AMT58 · P2x

Encoders and machine vision

ENCODERS

Incremental, programmable, absolute single-turn and multi-turn

MACHINE VISION

P2x compact smart camera up to 2 Mpx · M5xx GigE industrial cameras

GUIDANCE

Lidar scanners for vehicle guidance and collision avoidance

ALSO SUPPLIED BY INO

OMRON

KEYENCE



NG · NS · NX

RFID safety switches with guard locking

FUNCTION

RFID actuator with high coding level · safety outputs OS1 / OS2

VERSIONS

Locked with de-energised or energised 24 Vdc solenoid · key, screwdriver or escape release

HOUSING

NG: metal, three M20x1.5 entries · NX: compact 30 x 30 x 94.5 mm · IP67 / IP69K



FS · FG · FY

Safety switches with separate actuator and solenoid lock

VERSIONS

With manual mechanical delay, key release or escape release button

CONTACTS

Separate solenoid and actuator contacts, e.g. 2NC (magnet) + 1NO+1NC (actuator)

HOUSING

FG: three M20x1.5 conduit entries, IP67 and IP69K



ST · SR · HP · HX

RFID and magnetic safety sensors, safety hinge switches

SENSORS

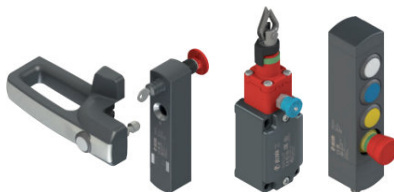
ST RFID sensors, SR magnetic sensors · 2 m cable or M12 connector

HINGE SWITCHES

HP hinge switches · HX electronic hinge, AISI 316L stainless steel

PROTECTION

IP67 and IP69K



P-KUBE · BN · rope switches

Safety handles, control device units and rope switches

P-KUBE HANDLES

For hinged and sliding doors · padlockable lock-out · for FD, FG, FY or NG switches

ROPE SWITCHES

With or without reset, for emergency stops or simple stops

BN SERIES

Control device units for mounting next to the guard



CS · GEMNIS

Safety modules and programmable safety modules

FUNCTIONS

Emergency stop and guard monitoring · delayed contacts, timers · two-hand control · standstill and speed monitoring

CONNECTION

Fixed terminals or removable connectors, screw or spring type

CS MP / GEMNIS

Programmable modules replacing several safety relays · free Gemnis Studio software



FD · FP · FL · FC · FR · FX · FM

Position switches for heavy duty and standard applications

CONTACTS

Snap action 1NO+1NC · slow action 1NO+1NC, 2NC, 1NO+2NC · snap action 2x(1NO-1NC)

HOUSING

Metal or technopolymer · M20x1.5 conduit entries · versions with reset and without actuator

PROTECTION

IP67, up to IP69K depending on the model · -25 °C ... +80 °C



MK · MS · NA · NF

Microswitches and modular pre-wired position switches

MICROSWITCHES

MK and MS / MF series with plunger, roller and lever actuators

PRE-WIRED SWITCHES

NA and NF series supplied with cable, for compact installation on machines

SPECIAL VERSIONS

Switches for high temperatures and electronic contact blocks



EROUND

Control and signalling devices

RANGE

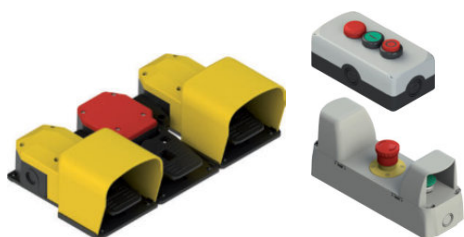
Single and multiple buttons · selector and key switches · emergency stop buttons · indicator lights · joysticks · potentiometers · buzzers · USB and RJ45 sockets

CONTACT BLOCKS

Single and double contact blocks, LED units

PROTECTION

Most devices IP67 and IP69K



ES · EA · PA · PX · PC

Housings and foot switches

HOUSINGS

ES and EA series, empty or pre-assembled with emergency stop, buttons and selectors · self-extinguishing polycarbonate, side and bottom cable entries

FOOT SWITCHES

PA / PX single foot switches and PC modular foot switches

SIEMENS



LOGO! 8

Logic module for small automation tasks

VERSIONS

With or without display · 12/24 V DC, 24 V AC/DC, 115-240 V AC/DC · relay or transistor outputs

INPUTS / OUTPUTS

8 DI + 4 DO on board, expandable to 24 DI · 20 DO · 8 AI · 8 AO

COMMUNICATION

Ethernet on board, integrated web server · LOGO! Soft Comfort



SIMATIC S7-1200

Compact controller for small and medium-sized machines

CPU

CPU 1211C · 1212C · 1214C · 1215C · 1217C · fail-safe 1212FC · 1214FC · 1215FC

EXPANSION

Signal boards, signal and communication modules · high-speed counters, pulse outputs

COMMUNICATION

PROFINET on board · TIA Portal (STEP 7 Basic)



SIMATIC S7-1500

Advanced controller for medium and complex applications

CPU

CPU 1511 · 1513 · 1515 · 1516 · 1517 · 1518 · compact 1511C · 1512C · F and T versions

FEATURES

Front display for diagnostics · integrated motion control

COMMUNICATION

PROFINET, PROFIBUS on selected CPUs, OPC UA · TIA Portal (STEP 7 Professional)



SIMATIC ET 200SP

Distributed I/O system for the control cabinet, IP20

MODULES

Interface modules for PROFINET and PROFIBUS · digital, analog, technology and fail-safe modules

DESIGN

Push-in terminals · up to 64 modules per station

CPU

CPU 1510SP · 1512SP, also as fail-safe versions



SIMATIC HMI

Operator panels

BASIC PANELS

KTP400 · KTP700 · KTP900 · KTP1200 · 4" to 12", touch and keys

UNIFIED COMFORT PANELS

7" to 22" widescreen multi-touch displays

COMMUNICATION

PROFINET · configured in TIA Portal (WinCC)



AC servo motor kits

Servo motor with matching digital drive

POWER

0.4 - 2.6 kW · 220 V supply

MOTORS

Rated torque from 1.27 Nm · rated speed 2500 - 3000 rpm · IP65

USE

CNC machine tools, handling arms, packaging and printing machines, automated lines



Frequency inverters

Vector control inverters for motors and high-speed spindles

POWER

0.75 - 15 kW · 1-phase and 3-phase 220 V, 3-phase 380 V

CONTROL

V/F and sensorless vector control · output frequency up to 1000 Hz · PID

INTERFACES

0-10 V analogue reference, digital inputs, relay outputs, RS485



Closed-loop stepper sets

Stepper motor with encoder and digital closed-loop driver

TORQUE

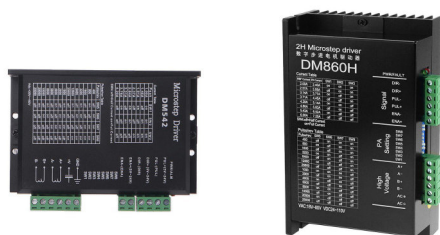
2.5 · 5.0 · 8.5 · 12.5 Nm · 12.5 Nm also with brake

FEATURES

No step loss · better high-speed performance, less motor heating and vibration

USE

Simple positioning axes, feeders, indexing tables



Stepper motors & drivers

Open-loop stepper motors with separate drivers

MOTORS

NEMA 17 · 23 · 34

DRIVERS

DM556 · DM860H · TB67S

ACCESSORIES

Single-axis controllers for simple positioning, motor brackets and couplings



Linear axis modules

Ready-to-mount electric axes

DRIVE

Ball screw modules for force and precision · belt modules for long, fast travel

DESIGN

Guide, drive and carriage in one aluminium body, motor-ready · Z-axis modules with cover



Electric oil pump

Automatic gear pump with timer for guideways and ball screws

PERFORMANCE

Working pressure 20 bar · flow 150 ml/min · 1.5 l tank

TIMER

Running time 1 - 60 s · interval 3 - 999 min

SUPPLY

220 V



Hand lubrication pump

For smaller machines and simple lubrication systems

DATA

0.5 l tank · working pressure 15 kgf/cm²

SYSTEM

Used together with throttling distributors

USE

Milling machines, lathes, cutting machines



Volumetric oil distributors

A measured amount of oil to every lubrication point

OUTLETS

2 to 6 outlets per distributor

LINE COMPONENTS

Separator blocks, T-distributors and brass divider bridges (M10x1)

FUNCTION

Oil is metered in the distributor and injected when the line is depressurised



Tubing & accessories

Everything to complete the lubrication line

TUBING

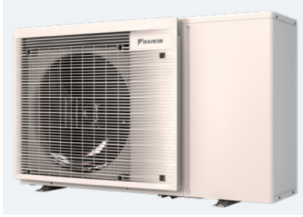
Nylon and copper tube · high-pressure tube · stainless spring tube protectors

FITTINGS

Nozzle joints, pipe fittings, sealing plugs · oil brush lubricators

TOOLS

Tube cutter and hand tube bender



EWAA-DV3P · EWAA-DW1P

Air-cooled mini inverter chillers

COOLING CAPACITY

4.5 - 14 kW

DESIGN

R-32 · hermetically sealed swing inverter compressor



EWAT-CZ

Air-cooled small inverter scroll chillers

COOLING CAPACITY

16 - 90 kW

DESIGN

R-32 · inverter-controlled scroll compressors · 1 or 2 refrigerant circuits



EWAT-B

Air-cooled scroll chillers

COOLING CAPACITY

76 - 1,010 kW

DESIGN

R-32 · one or two independent refrigerant circuits · MicroTech 4 controller

FREE COOLING

EWFT-B with integrated free cooling



EWAD · EWAH · EWAS-TZ D

Air-cooled inverter screw chillers

COOLING CAPACITY

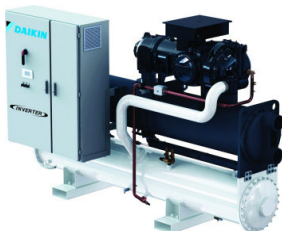
216 - 1,950 kW

REFRIGERANTS

R-134a (EWAD) · R-1234ze(E) (EWAH) · R-513A (EWAS)

FREE COOLING

EWFD / EWFH / EWFS-TZ D with integrated free cooling



EWW · EWWH · EWWV

Water-cooled inverter screw chillers

COOLING CAPACITY

329 - 2,100 kW

REFRIGERANTS

R-134a (EWW) · R-1234ze(E) (EWWH) · R-513A (EWWV)

DESIGN

Inverter single-screw compressors · flooded evaporator



EWW-DZ · EWWH-DZ

Water-cooled oil-free centrifugal chillers

COOLING CAPACITY

227 - 1,478 kW

DESIGN

Magnetic bearings, totally oil-free operation · R-134a or R-1234ze(E) · compact footprint



MVE

Electric vibrator, 2-pole - 3-phase / 1-phase

SIZES

3-phase: MVE 60 · 100 · 200 · 300 · 400 · 500 · 700 · 800

1-phase: MVE 60 · 100 · 200 · 300

MATERIALS

Aluminium body, powder-painted aluminium cover



MVE-DC

Electric vibrator for 12 V / 24 V DC supply

SIZES

MVE 50 · 120 · 200 · 500 · 1500 (1500 also as brushless version)

MATERIALS

Aluminium body, stainless steel / powder-painted aluminium cover



MVE-MICRO

Compact electric vibrator

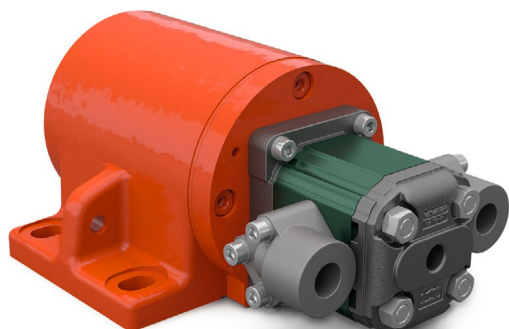
SIZES

1-phase: MVE 3 · 6 · 21 · 41

3-phase: MVE 21 · 41

MATERIALS

Aluminium body, stainless steel cover



MVO

Hydraulic vibrator

SIZES

MVO 850

MATERIALS

Grey cast iron body, powder-painted



PS

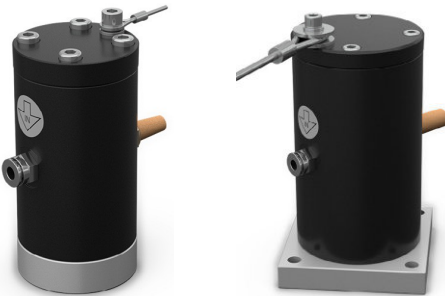
Pneumatic single-impact vibrator (hammer)

SIZES

PS 40 · 63 · 80 - type A (hopper wall up to 3 mm), type B (over 3 mm)

MATERIALS

Aluminium body, steel attachment plate (AISI 304 plate available for type B), aluminium head



K

Pneumatic cushioned vibrator, low noise

SIZES

K 15 · 22 · 30 · 45 · 60, also lubrication-free (LF) versions

MATERIALS

Aluminium body, Ixef cover



S

Pneumatic ball vibrator

SIZES

S8 · S10 · S13 · S16 · S20 · S25 · S30 · S36

MATERIALS

Aluminium body, steel ball in hardened and ground steel housings



VBS

Vibro-aerator for silos and hoppers

SIZES

VBS / VBSI / VBSIHT / VBSIMD: Ø104 mm (G1/2) · VBS Micro: Ø55 mm (G1/4) · VBSME: Ø66 mm (G3/8)

MATERIALS

Food-grade silicone membrane (white; red for high temperature; blue metal-detectable), aluminium or AISI 316 stainless steel stem; VBSME: polyamide body. Optional stainless steel external mounting kits RPKIT / CPKIT



PG

Air cannon for silos and hoppers

SIZES

PG 40 · 63 · 80

MATERIALS

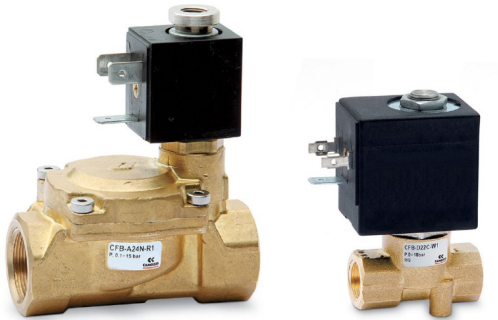
Aluminium body, steel plate, aluminium head



CFB / CFB-X

Solenoid valves - brass (CFB) and stainless steel (CFB-X)

CFB - brass



FUNCTION

2/2 NC · 2/2 NO · 3/2 NC

SIZES

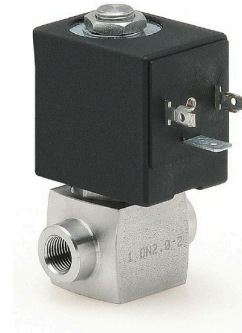
Ports G1/8 · G1/4 · G3/8 · G1/2 · G3/4 · G1 · G1 1/4 · G1 1/2 · G2

Orifice 1.4 – 50 mm

MATERIALS

Brass body, NBR / FKM seals (EPDM on request), stainless steel internal parts

CFB-X - stainless steel



FUNCTION

2/2 NC · 3/2 NC

SIZES

Ports G1/8 · G1/4 · G3/8 · G1/2

Orifice 1.5 - 4 mm

MATERIALS

316L stainless steel body, FKM / EPDM seals



ANTARES

Carbon steel flanged ball valve with pneumatic actuator

Double acting / single acting

SIZES

DN15 · 20 · 25 · 32 · 40 · 50 · 65 · 80 · 100 · 125 · 150 · 200 (1/2" - 8")

FLANGES

PN16 / PN40 (UNI EN 1092) · ANSI 150 · ANSI 300 on request

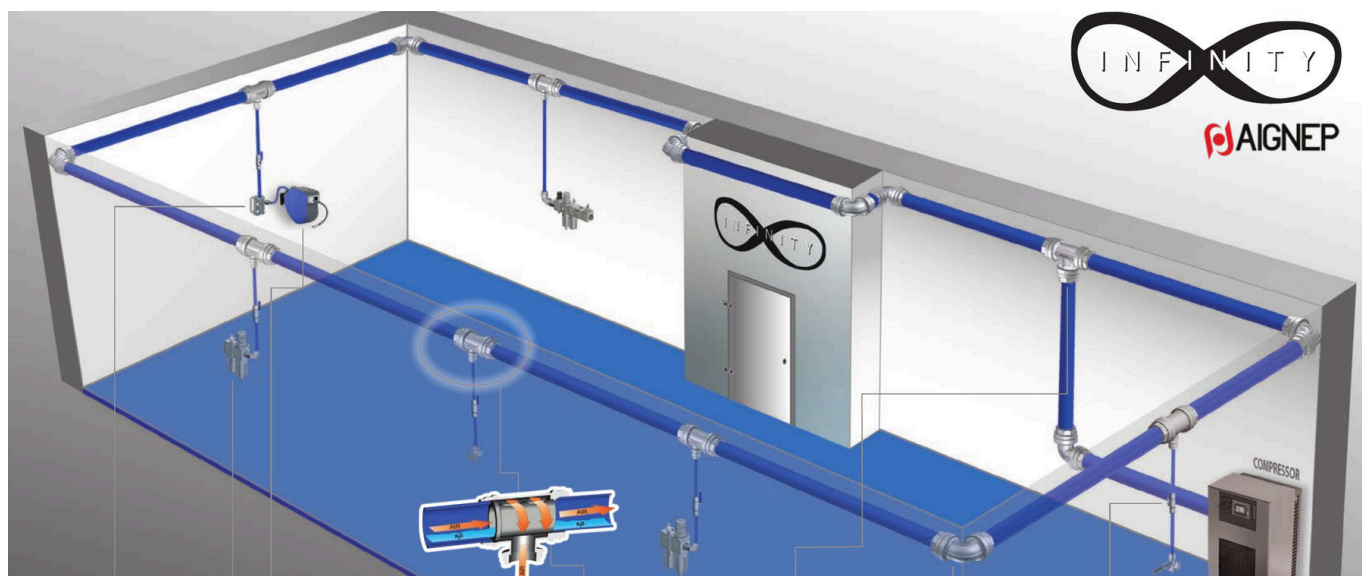
MATERIALS

Carbon steel body (LF2), PTFE; zinc-plated carbon steel bracket; anodised aluminium actuator



INFINITY

Aluminium piping system for compressed air, inert gases and vacuum - push-in connection



Tee



Elbow



Ball valve



Wall manifold



Manifold



Filter / regulator / lubricator

SIZES

Pipe Ø20 · 25 · 32 · 40 · 50 · 63 · 80 · 110 mm (system range up to Ø168 mm) · lengths 4 m / 6 m · colours blue, grey, green

MATERIALS

Extruded aluminium pipe, calibrated and powder-coated. Push-in fittings: nickel-plated brass (Ø20 - 40), surface-treated aluminium (Ø50 - 168). NBR seals, stainless steel clamping ring.



Ball valves

Brass, carbon steel and stainless steel ball valves

VERSIONS

2-way and 3-way · full and reduced bore · threaded, flanged, weld-end and press ends

BODIES

1-, 2- and 3-piece bodies · lever, T-handle or locking handle

AUTOMATION

ISO 5211 top flange for direct mounting of pneumatic and electric actuators



Butterfly valves

Wafer, lug and double-flanged butterfly valves

BODIES

Cast iron, ductile iron and stainless steel · EPDM, NBR or PTFE liners

OPERATION

Notched lever, gearbox with handwheel, pneumatic or electric actuator

USE

Water, HVAC, compressed air, process and waterworks lines



Gate, globe & knife gate valves

Isolation and regulation for industry and waterworks

GATE VALVES

Resilient-seated and metal-seated gate valves · handwheel or electric actuator

GLOBE & CHECK VALVES

Globe valves, swing, disc and spring check valves, strainers, balancing and safety valves

KNIFE GATE VALVES

For slurries, powders and wastewater · lever, handwheel or actuator



Plastic valves & fittings

PVC-U, PP and PVDF for chemicals and water treatment

RANGE

Ball, butterfly, diaphragm and check valves · pressure relief valves · fittings and pipe

AUTOMATION

Pneumatic and electric actuated versions

USE

Dosing, chemical and water treatment plants, swimming pools

SERIES	BODY / SEALS	ENDS	SIZE	PS	TS
BRASS					
 576 · 527 · 538 Heavy-duty ball valve, full bore, lever F/F, M/F, M/M	Nickel-plated brass CW617N · PTFE	BSP thread	1/8"–4"	60→16 bar	-10 ... +120 °C
 502 XS Ball valve with ISO 5211 pad, ready for actuator	Nickel-plated brass CW617N · PTFE	BSP female	1/2"–4"	16 bar	-10 ... +100 °C
STAINLESS & CARBON STEEL, THREADED / WELD					
 732 FF · MF · MM Mini ball valve, reduced bore	Stainless CF8M · RTFE	BSP F/F, M/F, M/M	1/8"–1"	63 bar	-20 ... +180 °C
 708 1-piece ball valve, reduced bore, locking device	Stainless CF8M · PTFE	BSP female	1/4"–2"	63 bar	-20 ... +180 °C
 737 · 738 · 739 3-piece ball valve, full bore, ISO pad, locking	Carbon steel A216WCB · reinforced PTFE	BSP · butt weld · socket weld	1/4"–4"	63→40 bar	-20 ... +220 °C
 747 · 748 · 749 3-piece ball valve, full bore, ISO pad, locking	Stainless CF8M · reinforced PTFE	BSP · butt weld · socket weld	1/4"–4"	63→40 bar	-30 ... +220 °C
 780 · 781 3-way ball valve, L-port / T-port, ISO pad	Stainless CF8M · RTFE	BSP · NPT	1/4"–2"	40 bar	-25 ... +180 °C
 734 · 735 2-piece 1500 lbs ball valve, fire safe, steam up to 30 bar	Carbon steel A105 / stainless F316L · PEEK	BSP · NPT	1/4"–2"	255 / 248 bar	-30 ... +250 °C
 799 High-pressure ball valve for hydraulics	Carbon steel 1.0737 · POM seats	BSP	1/4"–2"	500→350 bar	-20 ... +100 °C
FLANGED					
 762 · 763 Flanged ball valve, full bore, EN 558 series 27, fire safe	Carbon steel A216WCB / stainless CF8M · RTFE	Flanged RF PN40 / PN16	DN15–200	40 bar ≤DN50, 16 bar above	-20 ... +200 °C
 778 · 779 Flanged ball valve, EN 558 series 3, fire safe	Carbon steel A216WCB / stainless CF8M	Flanged RF ANSI 150	NPS 1/2"–4"	20 bar	–

SERIES	BODY / SEALS	ENDS	SIZE	PS	TS	
CONCENTRIC BUTTERFLY VALVES						
	1125 Wafer butterfly valve, lever or gearbox	Ductile iron GGG40, nickel-plated disc · EPDM	Between flanges PN6/10/16, ANSI 150, JIS 10K	DN32–1000	16 bar ≤DN300, 10 bar above	-15 ... +110 °C
	1135 Lug butterfly valve, lever or gearbox	Ductile iron GGG40, nickel-plated disc · EPDM	Lug PN10/16	DN40–600	16 bar ≤DN150, 10/16 bar above	-15 ... +110 °C
	1123 Wafer butterfly valve with stainless disc	Ductile iron GGG40, CF8M disc · EPDM	Between flanges PN6/10/16, ANSI 150, JIS 10K	DN32–300	16 bar	-15 ... +110 °C
	1150 · 1160 Wafer / lug butterfly valve, SIL 2, ATEX, drinking water	Ductile iron GGG50 rilsan, CF8M disc · EPDM	Wafer PN10/16, ANSI 150 · lug PN10/16	DN32–600	16 bar ≤DN300, 10 bar above	-20 ... +110 °C
	1119 · 1119L Double offset butterfly valve, SIL 2, low fugitive emissions	Stainless CF8M, polished disc · PTFE	Wafer PN10/40, ANSI 150 · lug PN10/16	DN50–300	30→20 bar (wafer) 16 bar (lug)	-50 ... +220 °C
GATE & KNIFE GATE VALVES						
	181 · 182 · 191 Resilient-seated gate valve, EN 558 series 14, handwheel	Ductile iron GGG50, epoxy · EPDM / NBR wedge	Flanged PN10 / PN16	DN40–500	10 / 16 bar	-10 ... +70 °C
	185 Resilient-seated gate valve, EN 558 series 15, square drive nut	Ductile iron GGG50, epoxy · EPDM wedge	Flanged PN10 / PN16	DN40–400	10 / 16 bar	-10 ... +70 °C
	170 · 171 · 176 Knife gate valve, lug type, handwheel, lever or ISO pad	Cast iron GG25, F304 gate · NBR / EPDM / metal seat	Lug PN10	DN50–1000	10 bar ≤DN200→2 bar DN1000	-10 ... +90 °C (EPDM +130)



Actuated valves

Ball and butterfly valves supplied ready to install

ASSEMBLY

Valve, ISO 5211 bracket, actuator and limit switch box assembled and tested as one unit

OPTIONS

Solenoid pilot valve, limit switch box, manual override, positioner

BODIES

Brass, stainless steel, cast iron and plastic · 2-way and 3-way



Pneumatic & electric actuators

Quarter-turn actuators for valve automation

PNEUMATIC

Rack and pinion · double-acting and spring return · aluminium or stainless steel

ELECTRIC

On/off and modulating · 24 V and 230 V · manual override, position indication

INTERFACE

ISO 5211 mounting · NAMUR solenoid and switch box interface



Angle seat & solenoid valves

Fast on/off control of water, steam, air and oils

ANGLE SEAT VALVES

Pneumatically operated · bronze or stainless steel body · threaded, flanged or clamp ends

SOLENOID VALVES

Direct and pilot-operated, normally closed or normally open

USE

Steam, hot water, washing and dosing lines, process machines



Pressure control & instrumentation

Regulation and measurement in water, air and process lines

PRESSURE CONTROL

Pressure reducing and relief valves · air and water separators · air vents

INSTRUMENTATION

Pressure gauges, thermometers, pressure switches, water and flow meters

MATERIALS

Brass, cast iron and stainless steel versions



Steam & gas service

Components approved for steam and gas lines

STEAM

Steam traps, strainers, globe and check valves, steam-rated ball valves

GAS

Gas ball valves, filters, pressure regulators and safety shut-off valves

SELECTION

Separate steam and gas selection lists with the approved items

SERIES	BODY / SEALS	ENDS	SIZE	PS	TS	
GLOBE VALVES						
	479 Globe valve, EN 558 series 1, steam up to 10 bar	Cast iron GG25, stainless seat	Flanged RF PN16	DN15–200	16 bar	-10 ... +300 °C
	471 · 475 Globe valve, 475 with stainless bellow seal	Carbon steel A216WCB, stainless trim	Flanged RF PN40	DN15–200	40 bar	-29 ... +400 °C
	472 Globe valve with stainless bellow seal, steam	Stainless CF8M, F316 bellow	Flanged RF PN40/16	DN15–100	40 bar ≤DN50, 16 bar above	-50 ... +400 °C
CHECK VALVES & STRAINERS						
	390 · 386 Wafer spring check valve, all positions	Stainless CF8M, F316 disc · metal seat	Between flanges PN10/16/25/40, ANSI 150/300	DN15–200	40 bar	-20 ... +200 °C (386 +400)
	360 · 362 Swing check valve, EN 558 series 48	Cast iron GG25 · metal / EPDM seat	Flanged RF PN16	DN40–300	16 bar	-10 ... +120 °C
	221 · 220 Y-strainer with draining cap, stainless screen	Cast iron GG25 / ductile iron GGG50	Flanged PN10 / PN16	DN15–600	10 / 16 bar	-10 ... +120 °C
	231 · 232 · 234 Y-strainer, F316 screen 0.8 mm	Carbon steel A105N	BSP · socket weld · NPT	1/4"–2"	136 bar	-29 ... +425 °C
PRESSURE CONTROL						
	495 · 496 Pressure reducing valve, piston / diaphragm, outlet 1.5–6 bar	Ductile iron GGG45 · NBR / EPDM	Flanged, EN 558 series 1	DN50–100	16 bar	0 ... +60 °C
	497 · 498 · 499 Automatic control valves: reducing, sustaining, combined	Ductile iron GGG45, stainless pilot	Flanged RF PN10/16	DN40–400	16 bar ≤DN150, 10 bar above	0 ... +70 °C
	2800 · 281X Safety valve, free outlet, set 0.5–12 bar standard	Brass CW614N / stainless F316 · NBR, FKM, PTFE	BSP male	1/4"–2"	set up to 60 bar	-20 ... +200 °C



Stainless steel ball valves

AISI 316 valves for process, water and chemicals

VERSIONS

1-, 2- and 3-piece · threaded, weld-end, flanged and clamp ends

SEATS

PTFE and reinforced PTFE seats · FDA-compliant materials available

AUTOMATION

ISO 5211 top flange · supplied with pneumatic or electric actuators



Stainless pipe & fittings

Threaded, weld and compression fittings in AISI 304 / 316

THREADED FITTINGS

Elbows, tees, sockets, nipples, unions, plugs and caps

COMPRESSION FITTINGS

Double-ferrule fittings for instrumentation and hydraulic tube

PIPE & FLANGES

Welded and seamless tube, weld fittings, flanges



Hygienic fittings

DIN 11851, SMS and clamp fittings for food and dairy

RANGE

Unions, liners, nuts, bends, tees, reducers, end caps, clamps and gaskets

MATERIAL

AISI 304 / 316L, polished · EPDM, NBR, FKM and silicone gaskets

COMPLIANCE

Food-contact gaskets to EC 1935/2004 and FDA · certificates on request



Hygienic valves

Butterfly and ball valves for food, beverage and dairy

BUTTERFLY VALVES

Weld, DIN and clamp ends · manual handle or pneumatic actuator

BALL VALVES

3-piece clamp and weld-end ball valves, manual or actuated

ACCESSORIES

Sight glasses, hygienic pressure gauges, pipe supports



Couplings & accessories

For transfer hoses, inspection and measurement

COUPLINGS

Camlock and quick couplings in stainless steel, brass and aluminium

INSPECTION

Sight glasses and flow indicators

MEASUREMENT

Pressure gauges with diaphragm seals for hygienic connections

SERIES	BODY / SEALS	ENDS	SIZE	PS	TS
STAINLESS & FOOD CONTACT (EC 1935/2004)					
 ELIT 3-piece ball valve, rotating ends, SIL 2, steam up to 10 bar	Stainless 1.4409 · TFM 1600 · FDA	Butt weld ISO · socket weld · BSP · orbital SMS	1/4"–4"	63→25 bar	-50 ... +210 °C
 472T Globe valve with bellow seal and PTFE plug	Stainless CF8M, F316 bellow	Flanged RF PN40/16	DN15–100	40 bar ≤DN50, 16 bar above	-50 ... +200 °C
 230 Y-strainer, F316 screen 1 mm, draining cap	Stainless CF8M	BSP female	1/4"–2"	16 bar	-50 ... +200 °C
 2885 · 2863 CL Safety valve, pipe outlet; clamp version Ra 0.4	Stainless F316 · PTFE	BSP · clamp	3/8"–2" · DN20–50	set up to 60 bar	-196 ... +250 °C
PNEUMATIC ANGLE SEAT VALVES					
 1420 · 1422 · 1424 Angle seat valve, NC / NO, Kv 4.5–67 m³/h	Bronze CB491K · PTFE, PA66 actuator	BSP female	3/8"–2"	16 bar	-10 ... +180 °C
 1450 · 1452 · 1454 Angle seat valve, NC / NO, Kv 5.7–67 m³/h	Stainless CF8M · PTFE, PA66 actuator	BSP female	1/2"–2"	25 bar	-10 ... +180 °C
PLASTIC VALVES					
 W1 · CL1 True-union ball valve, full bore	PVC-U (CL1 also PP) · EPDM / FKM	Solvent cement socket	DN15–100	10 bar	0 ... +55 °C
 C200 · B1 True-union ball valve, compact	PVC-U / PP · PTFE, EPDM / FKM	Solvent cement / weld socket	DN10–50	16 bar (PP 10 bar)	0 ... +60 °C
 PL1 · PL2 Butterfly valve, lever or gearbox; actuated versions	PVC-U / PP body · EPDM / FKM seat	Between flanges PN10	DN40–300	10 bar	0 ... +100 °C (by material)



Valves for building

Brass ball valves and domestic valves

RANGE

Ball valves male/female, with drain or extended stem · stop, drain and outdoor taps

USE

Water, heating and gas installations in residential and commercial buildings



Connections for building

Copper, brass, multilayer and press systems

RANGE

Brass threaded and compression fittings · multilayer and PEX pipe · press fittings

ACCESSORIES

Flexible hoses, pre-insulated pipe, radiator connections



Heating, ventilation & air conditioning

Hydronic heating and HVAC components

HEATING

Underfloor heating manifolds, buffer and expansion vessels, radiators, thermostatic valves

CLIMATE

Air conditioners, fans, heaters and trace heating



Plumbing

Water supply, treatment and metering

RANGE

Pressure reducing valves, water heater safety groups, backflow preventers

WATER TREATMENT

Filters and filter housings · water meters · taps and mixers



Pumps, garden & pool

Pumps and equipment for water transfer

PUMPS

Booster sets, surface and submersible pumps, drainage and lifting stations

POOL & GARDEN

Pool pumps and filters, garden fittings and irrigation



CNC milling & turning

Metal and plastic parts made to your drawing or sample

PROCESSES

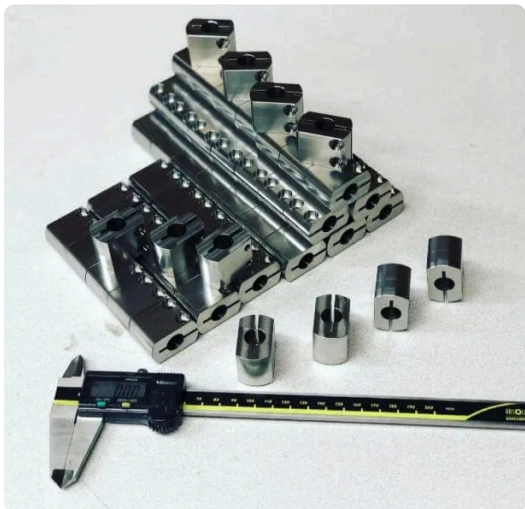
CNC milling · CNC turning · sawing

MATERIALS

Stainless steel · aluminium · brass · bronze · plastics (POM)

QUANTITIES

Single parts, prototypes and small series



Custom parts for machines

Non-standard parts for industrial equipment and automation

TYPICAL PARTS

Brackets, clamps and mounting plates · fixtures and adapters · shafts, bushings and spacers

APPLICATIONS

Automation and special machines · conveyor systems for the food industry · work benches and tooling

TOGETHER WITH COMPONENTS

Machined parts and pneumatic or electrical components delivered as one order

How to order

From drawing to finished part

1 · SEND

Drawing, 3D model (STEP) or a sample part to sales@inoautomation.eu

2 · QUOTE

We confirm material, tolerances, quantity and delivery time

3 · DELIVERY

Parts are machined, checked and delivered · one supplier, one invoice