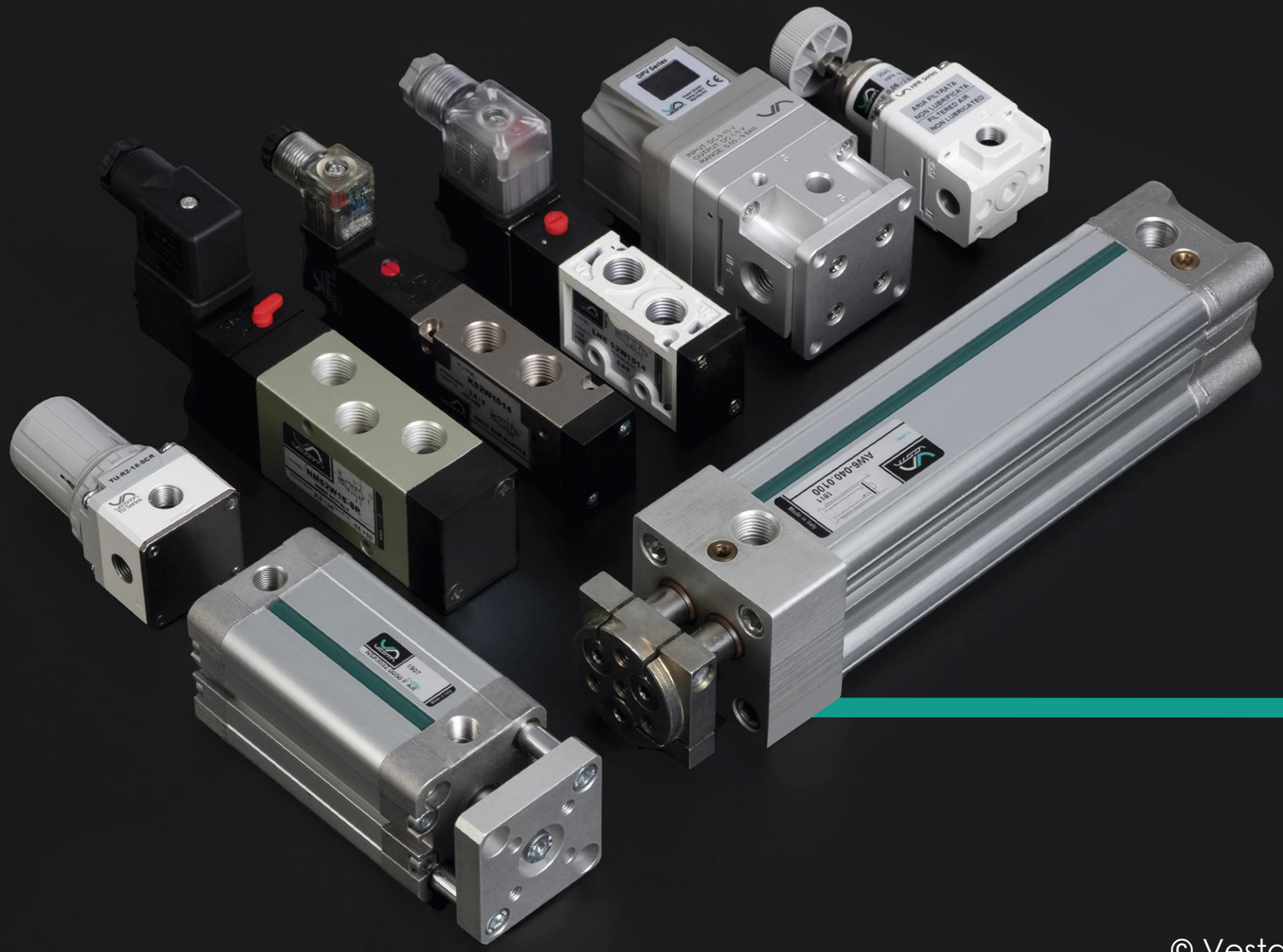
ENG



Production Range

© Vesta Automation, 2024

35 years of international expertise in the main fields of automation

designed to your needs

Since 1984, pneumatic solutions for a range of different industries in over 60 markets worldwide

- PACKAGING & LOGISTICS
- FOOD & BEVERAGE
- BIOMEDICAL & PHARMA
- PROCESS INDUSTRIES
- WOOD, GLASS & ABRASIVES
- VACUUM & MANIPULATION
- AUTOMOTIVE & TRUCKS
- RAILWAYS & RIDES
- TEXTILE & PRINTING
- WELDING & SIDERURGICAL

ALWAYS COMMITTED TO QUALITY

UNI EN ISO 9001

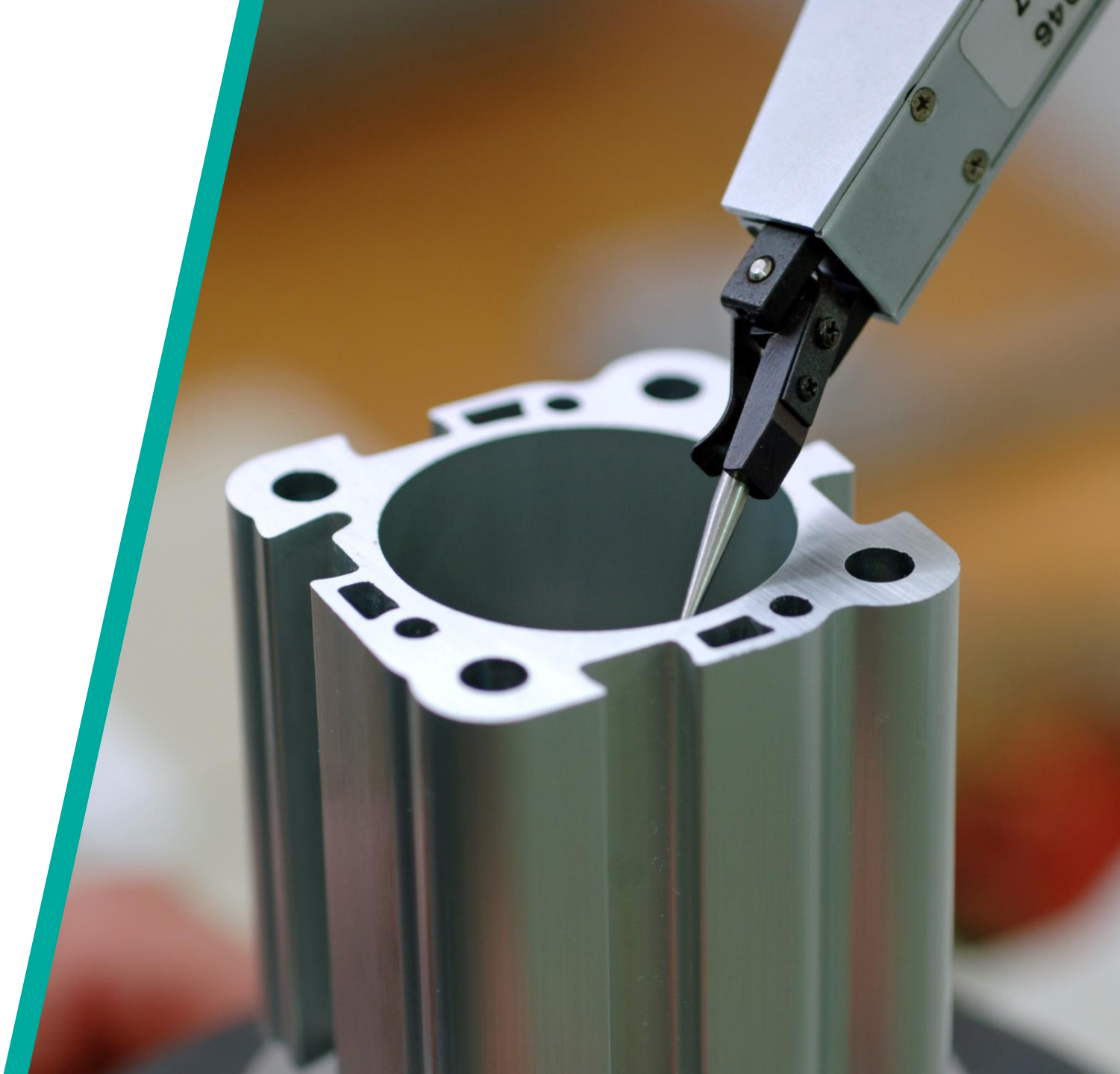
compliant since 1996

100% of products tested

SYSTEM CERTIFICATION ISO 9001 SGS

MADE IN ITALY

CE Ex



THE RANGE

CLICK ON PRODUCTS

CYLINDERS

page 6

Pneumatic actuators & grippers

VALVES

page 19

Pneumatic valves & solenoid valves

AIR TREATMENT

page 31

FRL units & precision regulators

FITTINGS

page 38

Fittings, flow regulators, silencers & vacuum

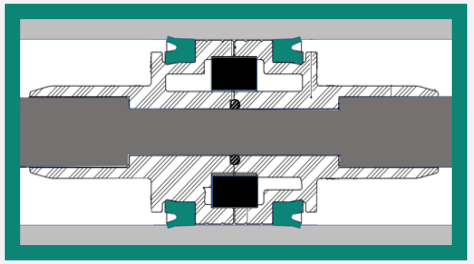
CYLINDERS

Over 40 million cylinders produced since 1984

PTFE-graphite-bronze
long bushing guide

Lapped/rolled
stainless steel rods

Polyurethane
(PUR) lip seals
for all series



CYLINDERS

RANGE MAP

LINKS:

3D STEP FILES

VESTA ATEX

CLICK ON PRODUCTS

ISO STANDARD PNEUMATIC CYLINDERS

page 8

GUIDED & NON-ROTATION PNEUMATIC ACTUATORS

page 13

ACTUATORS WITH SPECIAL FUNCTIONS

page 15

CYLINDERS FOR AGGRESSIVE AND EXPLOSIVE ENVIRONMENTS

page 16

PNEUMATIC GRIPPERS

page 18

NEW

ISO 6432 ROUND CYLINDERS

Seals replacement kit available (also FKM)

DVM/ACM/DRM

ø12, 16, 20, 25

ISO 6432 screwed-head (openable) magnetic cylinders

STEP FILES 3D | *ATEX II 3GD*

Available with non-rotation hexagonal rod

NEW

DLM/ALM

ø08, 10, 12, 16, 20, 25

ISO 6432 crimped-head magnetic cylinders

DVMT/ACMT

ø32, 40, 50

Round magnetic cylinders

MAGNETIC SWITCHES | *ISO 6432 FIXINGS*

CLICK ON PRODUCTS

ISO CYLINDERS 15552

Assembly kits available

NWT

ø32, 40, 50, 63, 80, 100, 125

ISO 15552 cylinders for heavy applications

STEP FILES 3D | ATEX II 3GD

Polyurethane lip seals
stainless steel rods

Assembly kits available

LNT

ø32, 40, 50, 63, 80, 100, 125

ISO 15552 standard magnetic cylinders

MAGNETIC SWITCHES | ISO15552 FIXINGS

CLICK ON PRODUCTS

BIG-SIZE ISO 15552 CYLINDERS

FKM seals available for all sizes

XJN

ø160, 200, 250, 320

ISO 15552 cushioned magnetic cylinders

CLICK ON PRODUCTS

MAGNETIC SWITCHES | *ISO15552 FIXINGS*

ISO 21287 / UNITOP & COMPACT CYLINDERS

Multi-standard (ISO/UNI) assembly kits available

Polyurethane double lip seals

NSK I/U

ø16, 20, 25, 32, 40, 50, 63, 80, 100

ISO 21287 & UNITOP compact cylinders

STEP FILES 3D | *ATEX II 3GD*

SH

ø125, 160, 200

Big size compact magnetic cylinders

CZ

ø6, 10, 16

Cartridge micro cylinders

MAGNETIC SWITCHES | *ISO 21287 FIXINGS*

CLICK ON PRODUCTS

ISO CYLINDERS STANDARD CONVERSION CHART

		FESTO	SMC	PARKER	NORGREN	ASCO/NUMATICS
ISO 6432	DVM/DLM ACM/ALM	DSNU (double act.) ESNU (single act.)	C85	P1A	RM8000	Series 435
ISO 15552	NWT LNT XJN	DSBG DSBC DSBF	CP95 CP96	P1D (discontinued) P1F	PRA802000	Series 450 Series 453
ISO 21287 & UNITOP	NSK-I NSK-U PATENT PENDING	ADN (double act.) AEN (single act.) ADVU (UNITOP double) AEVU (UNITOP single)	C55	P1P	RA192000	Series 499

GUIDED & NON-ROTATION ACTUATORS

Available in stainless steel

GLH*

ø20, 25, 32, 40, 50, 63, 80, 100

ISO 15552/6432 compliant linear control units H

***stainless steel version GLHX: page 17**

HNG

ø16, 20, 25, 32, 40, 50, 63

Compact guide non-rotation cylinders

2/3/4-tandem version available

NCV63

ø63

Flat non-rotation pneumatic cylinders

CLICK ON PRODUCTS

MAGNETIC SWITCHES

TWIN-ROD / HOLED-ROD CYLINDERS

PS/HPSK

ø16, 20, 25, 32

Pneumatic dual holed-rod slides

AW2-3

32, 40, 50, 63, 80, 100

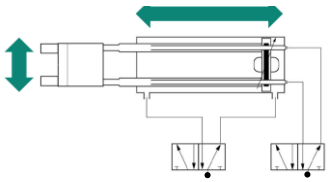
Cylinders with non-rotation twin rods

Non-rotation cylinders within ISO dimensions

AW1-5-7

ø32, 40, 50, 63

Cylinders with holed telescopic rods



Through-rod fluid control

CLICK ON PRODUCTS

MAGNETIC SWITCHES

ACTUATORS WITH SPECIAL FUNCTIONS

Extra-strong locking
3x cylinder force

RW/DC

ø32, 40, 50, 63, 80, 100

Cylinders with pneumatic rod braking device

Precision angle
Regulation option

CRW

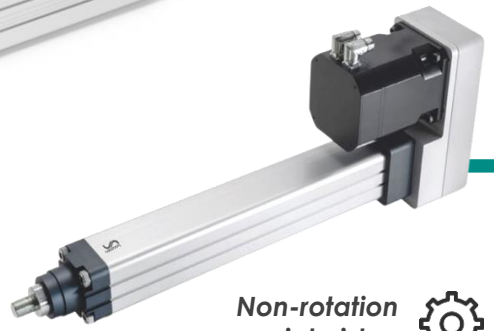
ø25, 32, 40, 50, 63, 80, 100

Rotary actuators (male/female, 90°/180°/360°)

RLF/TM

ø16, 20, 25, 32, 40, 50, 63

Rodless cylinders (band and magnetic)



Non-rotation
special piston

ESNL

ø32, 40, 50, 63, 80 (100, 125)

ISO15552 electrical actuators (parallel/linear)

CLICK ON PRODUCTS

MAGNETIC SWITCHES

CYLINDERS FOR FOOD & HARSH ENVIRONMENT

Available with non-rotation hexagonal rod

DLMX/ALMX

ø10, 12, 16, 20, 25

ISO 6432 cylinders (with adj. cushion) in AISI304/316

RSSC

ø32, 40, 50, 63

Stainless steel cylinders for the food industry

Inspectionable heads

NEW

NSKX

ø16, 20, 25, 32, 40, 50, 63, 80, 100

ISO 21287 compact stainless steel cylinders

MAGNETIC SWITCHES | *ATEX II 3GD*

CYLINDERS FOR FOOD & HARSH ENVIRONMENT

Heads in certified FDA/food polymer

XJS

ø32, 40, 50, 63, 80, 100

ISO 15552 cylinders in *FDA* compliant polymer & AISI304

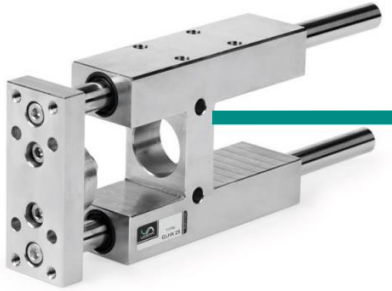
Food grade rod-seals Available on request

XJSS

ø32, 40, 50, 63, 80, 100, 125

ISO 15552 cylinders in AISI304/316

NEW



GLHX

ø25, 32, 40, 50, 63, 80, 100

ISO 15552/6432 linear H guides in AISI304/316

MAGNETIC SWITCHES | *ATEX II 3GD*

CLICK ON PRODUCTS

PNEUMATIC GRIPPERS

NGA

ø10, 12, 16, 20, 25, 32

Angular 30° grippers (single/double acting)

Ball-bearing guiding system

NEW

NGP

ø10, 16, 20, 25

Parallel grippers (single/double acting)

NGT

ø12, 16, 20, 25

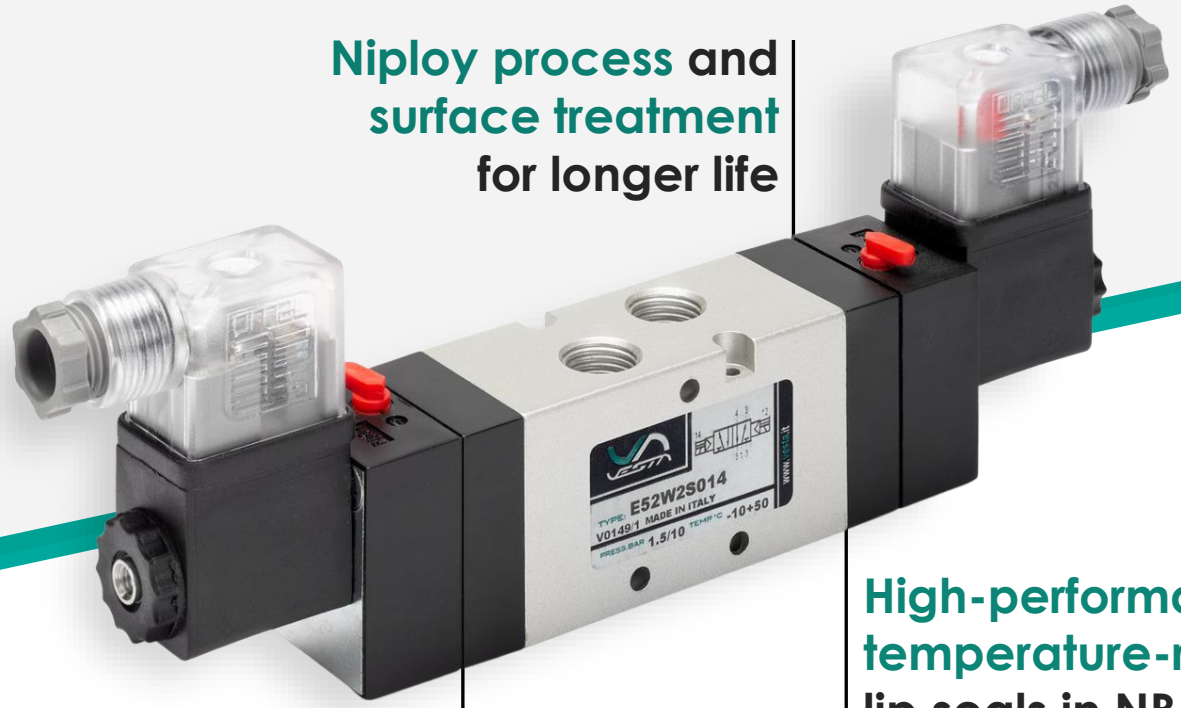
180° grippers

CLICK ON PRODUCTS

MAGNETIC SWITCHES

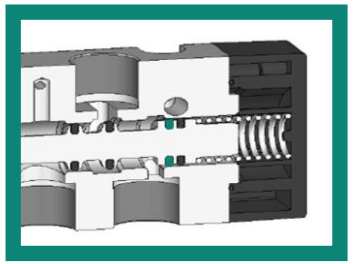
VALVES

34.5 million valves produced since 1989



Niploy process and surface treatment for longer life

High-performance temperature-resistant lip seals in NBR or FKM



Optimized spaces for high-flow

VALVES

RANGE MAP

3D STEP FILES

VESTA ATEX

EWJ TRAILER

CLICK ON PRODUCTS

VALVES FOR EXTREME ENVIRONMENT & ATEX

page 21

NAMUR & ISO VALVES & SOLENOID VALVES

page 22

3/2, 5/2, 5/3 VALVES & SOLENOID VALVES

page 23

EWJ PLUG-IN VALVE ISLAND

page 24

DIRECT ACTING 3/2 OPERATORS

page 25

HIGH-FLOW 3/2 POPPET VALVES

page 26

MECHANICAL & MANUAL VALVES

page 27

BACK TO THE RANGE

VALVES FOR EXTREME ENVIRONMENT & ATEX

Seals for high & low temperature available

ATEX II 3GD compliant

SINCE 1989

E SERIES

22mm coil
G1/8'', 1/4'', 1/2''

Temperature & dust resistant lip-seals
3/2, 5/2 and 5/3 valves & solenoid valves

ATEX II 2GD compliant

XE SERIES

22mm ATEX coil
G1/4'', 1/2'', NAMUR

ATEX II 2GD valves, solenoid valves & Namur

Internal stainless steel parts and Alodine treatment

CLICK ON PRODUCTS

COILS & CONNECTORS | 3D STEP FILES

NAMUR VALVES & ISO VALVES

ATEX II 3GD compliant

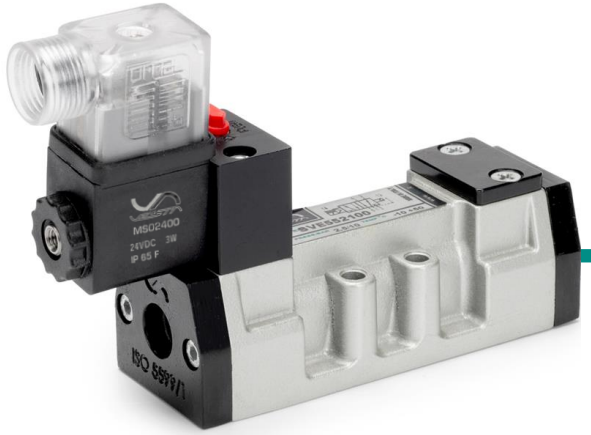
Seals for high & low temperature available

5/2 available with actuation feedback

NM SERIES

22mm coil
NAMUR (IN: G1/4'')

Temperature & dust resistant lip-seals
Namur valves & solenoid valves



SVE/SVP SERIES

22mm coil
ISO 1, ISO 2

ISO1 & ISO2 valves and solenoid valves

ISO manifolds available

CLICK ON PRODUCTS

COILS & CONNETTORS

VALVES & SOLENOID VALVES (3/2, 5/2, 5/3)

Quick switching times up to 35Hz

Flow rate G1/4'' 1,400 NL/min

K SERIES

17mm coil
G1/8'', 1/4'', 1/2''

High-flow & quick-exchange mini valves

LNE SERIES

22mm coil
G1/8'', 1/4'', 3/8'', 1/2'', NAMUR

Light die-cast body lip-seals valves

CLICK ON PRODUCTS

COILS & CONNECTORS | 3D STEP FILES

MULTIPOLE CONNECTION MANIFOLDS

Innovative system for coils configuration

NEW

PATENT PENDING

Assembly kits available on request

EWJ VALVE ISLAND

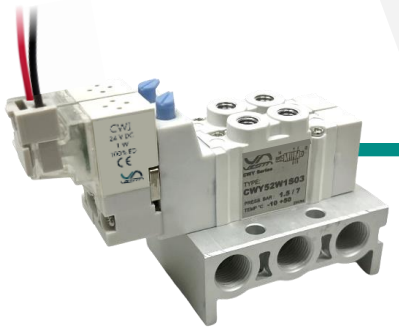
Operator 10mm
IN: G1/4'' OUT: tube Ø6

Self-configuration modular plug-in valve terminal

MPV (on request)

17mm coil
G1/8'', 1/4''

Integrated electrical connection manifold



CWY-3

Operator 10mm
OUT: M5

Mini M5 port valves manifold

COILS & CONNECTORS | *10mm OPERATORS*

CLICK ON PRODUCTS

DIRECT ACTING 3/2 OPERATORS

Modular bodies for quick assembly

QBE

22mm coil - G1/8''

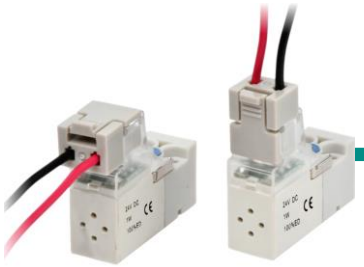
3/2 direct acting solenoid valves

CWJ-15

15mm

3/2 micro operators 15mm (manifold available)

Fast switching times up to 30Hz



CWJ-10

10mm

3/2 micro operators 10mm (manifold available)

With universal (H/V) cable connector

CLICK ON PRODUCTS

COILS & CONNECTORS

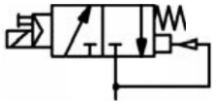
HIGH-FLOW 3/2 POPPET VALVES

Flow rate 6.000 to 60.000 NL/min

PV32

30mm coil
G1/2", 3/4", 1", 1½", 2"

3/2 high-flow poppet valves for air & vacuum



Vacuum with servo-vacuum available

CLICK ON PRODUCTS

COILS & CONNECTORS

MANUAL VALVES

High flow version (G1/2'') available on request

VCML

G1/8'', 1/4''

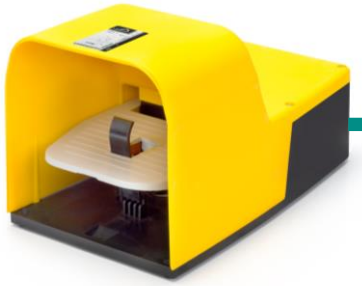
Manual lever valves (AISI 304 lever option)

G1/8'' available with pneumatic return

VCMT

G1/8'', 1/4''

Manual button valves



VFP

G1/4''

Foot pedal valves

CLICK ON PRODUCTS

BACK TO
THE RANGE

MECHANICAL VALVES

VCMS

G1/8", 1/4"

Cam actuated mechanical valves

VCLL

G1/8"

Lateral roller-lever mechanical valves

VCLR

G1/8"

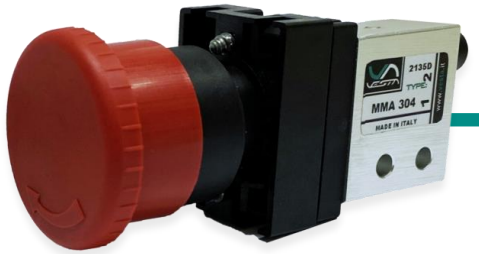
Roller-lever valves (AISI 304 operator option)

Food grade (AISI 304) operator available

CLICK ON
PRODUCTS

BACK TO THE RANGE

MANUAL & MECHANICAL MICRO VALVES



MPGI/MPF/MSR

Push-in Tube Ø4, M5

Manual button/switch micro valves

MMA

Push-in Tube Ø4, M5

Cam actuated mechanical micro valves

Available NC/NO, 5/2 and M5 ports

MMR/MMS

Push-in Tube Ø4, M5

Roller lever mechanical micro valves

CLICK ON PRODUCTS

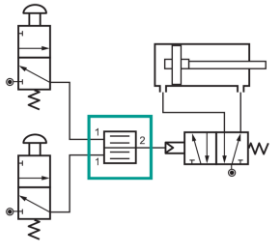
PNEUMATIC LOGIC ELEMENTS

AND/OR/YES/NOT

Push-in Tube Ø4

Logic elements for pneumatic control

Two-hand safety valve



SBI

Push-in Tube Ø4

Two-hand safety valves

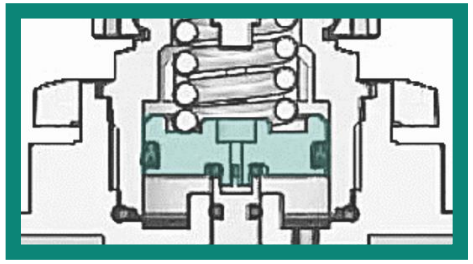
CLICK ON PRODUCTS

AIR TREATMENT UNITS

From 1/8'' precision regulation
up to 2'' high-flow elements

All series with
aluminium body
for high-resistance

Acetal polymer pistons
with NBR lip seals for
stable regulation



AIR TREATMENT

RANGE MAP

3D STEP FILES 3D

TU - FRL RANGE

TU SERIES INTRO

PRESSURE REGULATORS

page 33

CLICK ON PRODUCTS

MODULAR LINES (FRL)

page 34

HIGH-FLOW, HIGH-PRESSURE & BOOSTERS

page 36

HIGH-PRECISION REGULATORS

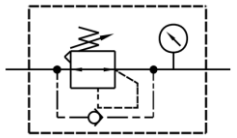
page 37

PROPORTIONAL VALVES

page 37

PRESSURE REGULATORS

Regulators available
With backflow option



TU-R2

M5, G1/8'', 1/4''

Pressure microregulators (with backflow option)

TU-R SIZE 3/4/5

G1/4', 3/8'', 1/2'', 3/4'', 1''

Pressure regulators (with backflow option)

INOX-OX (on request)

G1/4''

Oxygen microregulators (*NSF* materials)

GAUGES | BRACKETS | 3D STEP FILES

CLICK ON PRODUCTS

FRL UNITS – MODULAR LINES

Filtering from 40 to 0,01 µm

TU-FRL SIZE 2

G1/4'

R = Regulator, **FR** = Filter-regulator, **FRL** = FRL Unit
F = Filter, **L** = Lubricator, **VM** = 3/2 on-off valve
VS = Slow start + shut-off valve

TU-FRL SIZE 3

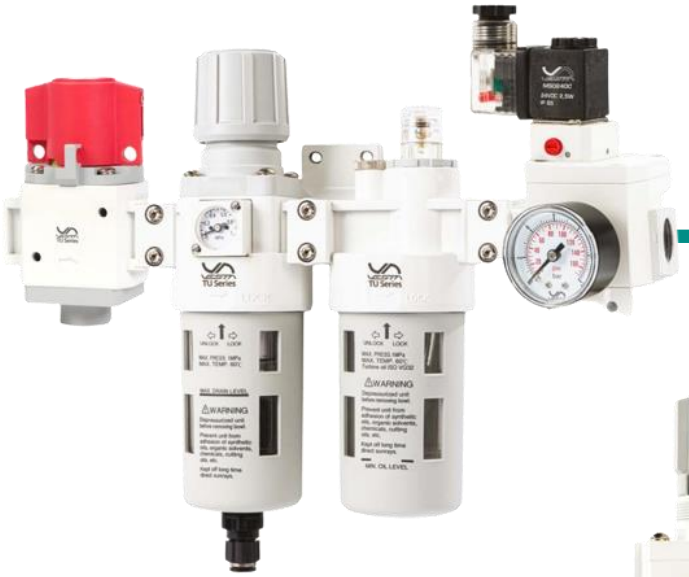
G1/4'', 3/8'', 1/2''

R = Regulator, **FR** = Filter-regulator, **FRL** = FRL Unit
F = Filter, **L** = Lubricator, **VM** = 3/2 on-off valve
VS = Slow start + shut-off valve, **MMF** = Micro-mist filter

CLICK ON PRODUCTS

GAUGES | BRACKETS | 3D STEP FILES

FRL UNITS – MODULAR LINES



TU-FRL SIZE 4

G1/2''

R = Regulator, **FR** = Filter-regulator, **FRL** = FRL Unit
F = Filter, **L** = Lubricator, **VM** = 3/2 on-off valve
VS = Slow start + shut-off valve

Metal bowl Available for all sizes

TU-FRL SIZE 5

G3/4'', 1''

R = Regulator, **FR** = Filter-regulator, **FRL** = FRL Unit
F = Filter, **L** = Lubricator, **VM** = 3/2 on-off valve

CLICK ON PRODUCTS

GAUGES | BRACKETS | 3D STEP FILES

BACK TO THE RANGE

HIGH-FLOW, HIGH-PRESSURE & BOOSTERS

0-15 bar regulation, 20 bar resistance

TU-F, R, L SIZE 4H

G1/2''

High-pressure regulators & FRL elements (0-15 bar)

Flow rate up to 50,000 NL/min

TU-F, R, L SIZE 6/7

G1 ½'', 2''

High-flow filters & regulators

NEW

PBR

ø40, 63, 100

Pressure boosters (1:2, 1:3, 1:4)

CLICK ON PRODUCTS

GAUGES | BRACKETS | 3D STEP FILES

BACK TO THE RANGE

HIGH-PRECISION PRESSURE REGULATORS

0.2% F.S. precision

HPR SERIES

G1/8'', 1/4'', 1/2''

High-precision manual pressure regulators

Flow rate G1/2''
5,000 NL/min

DPV SERIES

OPERATION MANUAL

G1/8'', 1/4'', 1/2''

Proportional valves with electric control

Output 1-5V,
4-20mA & PNP

DPS SERIES

OPERATION MANUAL

G1/8''

Digital pressure switches (positive and vacuum)

CLICK ON PRODUCTS

GAUGES | 3D STEP FILES

FITTINGS

RANGE MAP

LINKS:

FITTINGS CATALOG

QUICK PUSH-IN FITTINGS & MINI FITTINGS

page 39

BRASS FITTINGS

page 39

STAINLESS STEEL FITTINGS

page 39

CONTROL VALVES

page 39

FLOW REGULATORS

page 40

SILENCERS

page 40

FITTINGS WITH VACUUM GENERATOR

page 40

FITTINGS & MINI FITTINGS

QF
G1/8'', 1/4'', 3/8'', 1/2''

Quick push-in fittings

QM
M3, M5, M6

Quick push-in mini fittings

QB
G1/8'', 1/4'', 3/8'', 1/2''

Brass push-in fittings

QX
G1/8'', 1/4'', 3/8'', 1/2''

Stainless steel push-in fittings

QV
G1/8'', 1/4'', 3/8'', 1/2''

Control valves

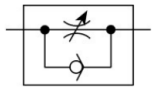
FITTINGS CATALOG

CLICK ON PRODUCTS

BACK TO THE RANGE

FLOW REGULATORS, SILENCERS, VACUUM

Precision control
high flow capacity



VRF

G1/8", 1/4", 3/8", 1/2"

Precision speed controllers

QR

G1/8", 1/4", 3/8", 1/2"

Push-in speed controllers

QS

G1/8", 1/4", 3/8", 1/2"

Silencers & exhaust control silencers

NEW

Vacuum pressure
up to -0.90 bar

VQ

G1/8"

Fittings with vacuum generators

CLICK ON PRODUCTS

FITTINGS CATALOG

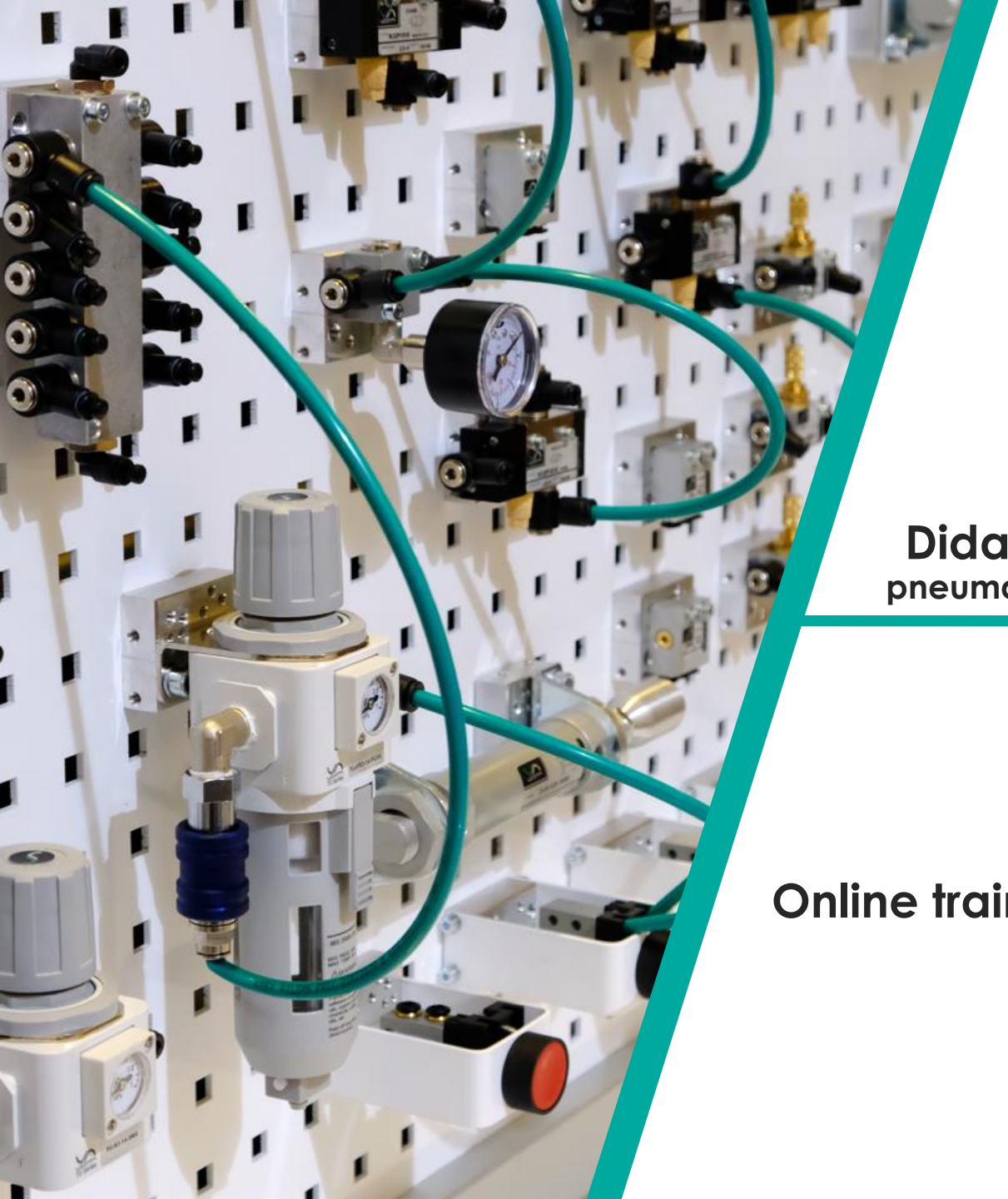
CUSTOM

MADE IN ITALY

Custom pneumatic cylinders and valves for hard environments, with special functions or for different fluids.

Ask us for more: info@vesta.it

PACKAGING & LOGISTICS | FOOD & BEVERAGE | BIOMEDICAL & PHARMA | PROCESS INDUSTRIES | WOOD, GLASS & ABRASIVES | VACUUM & MANIPULATION | AUTOMOTIVE & TRUCKS | RAILWAYS & RIDES | TEXTILE & PRINTING | WELDING & SIDERURGICAL



DIDACTICS

Didactic panel
pneumatic or electronic

Online training

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