



Digital Product Range



CLICK ON THE PRODUCTS





40 years of international expertise
in the main fields of automation





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

CLICK TO EXPLORE VESTA KEY CUSTOM PNEUMATIC SOLUTIONS





**ALWAYS
COMMITTED
TO QUALITY**

UNI EN ISO 9001
compliant since 1996
100% of products tested



MADE IN ITALY



[CLICK TO DOWNLOAD ISO CERTIFICATION](#)



THE RANGE

CYLINDERS

Pneumatic actuators & grippers

VALVES

Pneumatic & solenoid valves

AIR TREATMENT

FRL units & precision regulators

FITTINGS

Fittings, flow regulators, silencers

CLICK ON
PRODUCTS

page 6



page 19



page 31



page 38





CYLINDERS

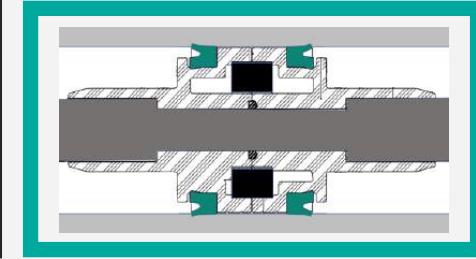
Over 40 million cylinders produced since 1984

PTFE-graphite-bronze
long bushing guide



Lapped/rolled
stainless steel rods

Polyurethane
(PUR) lip seals
for all series



CYLINDERS

RANGE MAP

ATEX CYLINDERS 

STAINLESS STEEL CYLINDERS

ISO STANDARD CYLINDERS

page 8

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PRODUCTS



STAINLESS STEEL CYLINDERS

page 16

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PRODUCTS



GUIDED NON-ROTATION

page 12



ROTARY AND SLIDES

page 13



LONG STROKE

page 14



PNEUMATIC GRIPPERS

page 15





 BACK TO
THE RANGE



ISO 6432 ROUND CYLINDERS



Available with non-
rotation hexagonal rod



DLM/ALM*

ø08, 10, 12, 16, 20, 25

ISO 6432 magnetic cylinders

*stainless steel version DLX/ALX: page 16

Assembly kits available



DLT/ALT

ø32, 40, 50, 63

Round magnetic cylinders

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BACK TO
THE RANGE

NEW



Polyurethane lip seals,
stainless steel rods



Available with
internal non-rotation

FKM seals
available
for all sizes



ISO 15552 STANDARD CYLINDERS



HVT*

ø32, 40, 50, 63, 80, 100, 125

ISO 15552 magnetic cylinders

*stainless steel version HVX: page 16

HVJ

ø160, 200, 250, 320, (300, 400)

ISO 15552 big-size magnetic cylinders

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BACK TO
THE RANGE



ISO 21287 & COMPACT CYLINDERS



Available with
internal non-rotation

Polyurethane
double lip seals



NSK*

ø12, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125

ISO 21287 & UNITOP compact cylinders

*stainless steel version SHX: page 16

SHJ

ø160, 200

Big size compact magnetic cylinders

SHQ

ø12, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125

Short-stroke magnetic cylinders

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PRODUCTS





BACK TO
THE RANGE

ISO CYLINDERS CONVERSION CHART



	FESTO	SMC	PARKER	NORGREN	ASCO
 ISO 6432	DLM ALM	DSNU (double act.) ESNU (single act.)	C85	P1A	RM8000
 ISO 15552	HVT HVJ	DSBG DSBC DSBF	CP95 CP96	P1D (discontinued) P1F	PRA802000 Series 450 Series 453
 ISO 21287 & COMPACT	SHC SHU	ADN (double act.) EDN (single act.) ADVU (UNITOP)	C55	P1P	RA192000 Series 499
	SHQ		CDQ		RM92000



BACK TO
THE RANGE



Available in
stainless steel



Ball-bearing guide
version available



2/3/4-tandem
version available



GUIDED NON-ROTATION SOLUTIONS

GLH*

ø20, 25, 32, 40, 50, 63, 80, 100

ISO 15552/6432 compliant linear control units H

*stainless steel version GLX: page 16

SHG

ø12, 16, 20, 25, 32, 40, 50, 63, 80, 100

Compact guide non-rotation cylinders

NCV

ø63

Flat non-rotation pneumatic cylinders

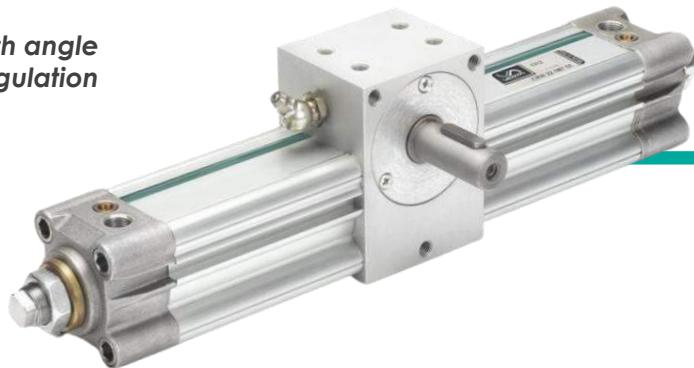
CLICK ON
PRODUCTS



BACK TO
THE RANGE

ROTARY ACTUATORS AND SLIDES

With angle
regulation



RHV

ø12, 16, 20, 25, 32, 40, 50, 63

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

HPS

Pneumatic dual holed-rod slides

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PRODUCTS





BACK TO
THE RANGE

LONG STROKE ACTUATORS



RLF

$\varnothing 25, 32, 40, 50, 63, 80, 100$

Long stroke rodless cylinders

TLS

$\varnothing 25, 32, 40, 50, 63$

Telescopic cylinders (2, 3 or more stages)

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PRODUCTS





BACK TO
THE RANGE

PNEUMATIC GRIPPERS



NGA

$\varnothing 10, 12, 16, 20, 25, 32$

Angular 30° grippers (single/double acting)



NGP

$\varnothing 10, 16, 20, 25$

Parallel grippers (single/double acting)



NGT

$\varnothing 12, 16, 20, 25$

180° grippers

NEW

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PRODUCTS





 BACK TO
THE RANGE



STAINLESS STEEL CYLINDERS



Inspectable heads



FCX

ø32, 40, 50, 63

AISI 304 cylinders for the food industry



Available with non-
rotation hexagonal rod



DLX/ALX

ø10, 12, 16, 20, 25

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

NEW



HVX

ø32, 40, 50, 63, 80, 100, 125 (160, 200)

ISO 15552 cylinders in AISI 316

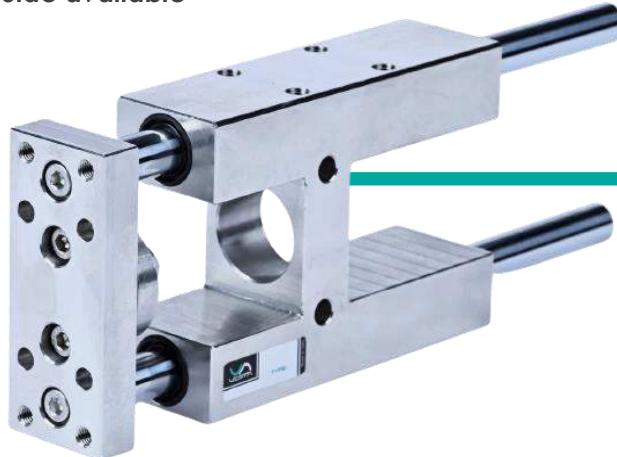
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 BACK TO
THE RANGE



Ball-bearing
guide available



STAINLESS STEEL CYLINDERS



GLX

ø25, 32, 40, 50, 63, 80, 100

ISO 15552/6432 linear H guides in AISI304/316

SHX

ø16, 20, 25, 32, 40, 50, 63, 80, 100

ISO 21287 compact cylinders in AISI 316

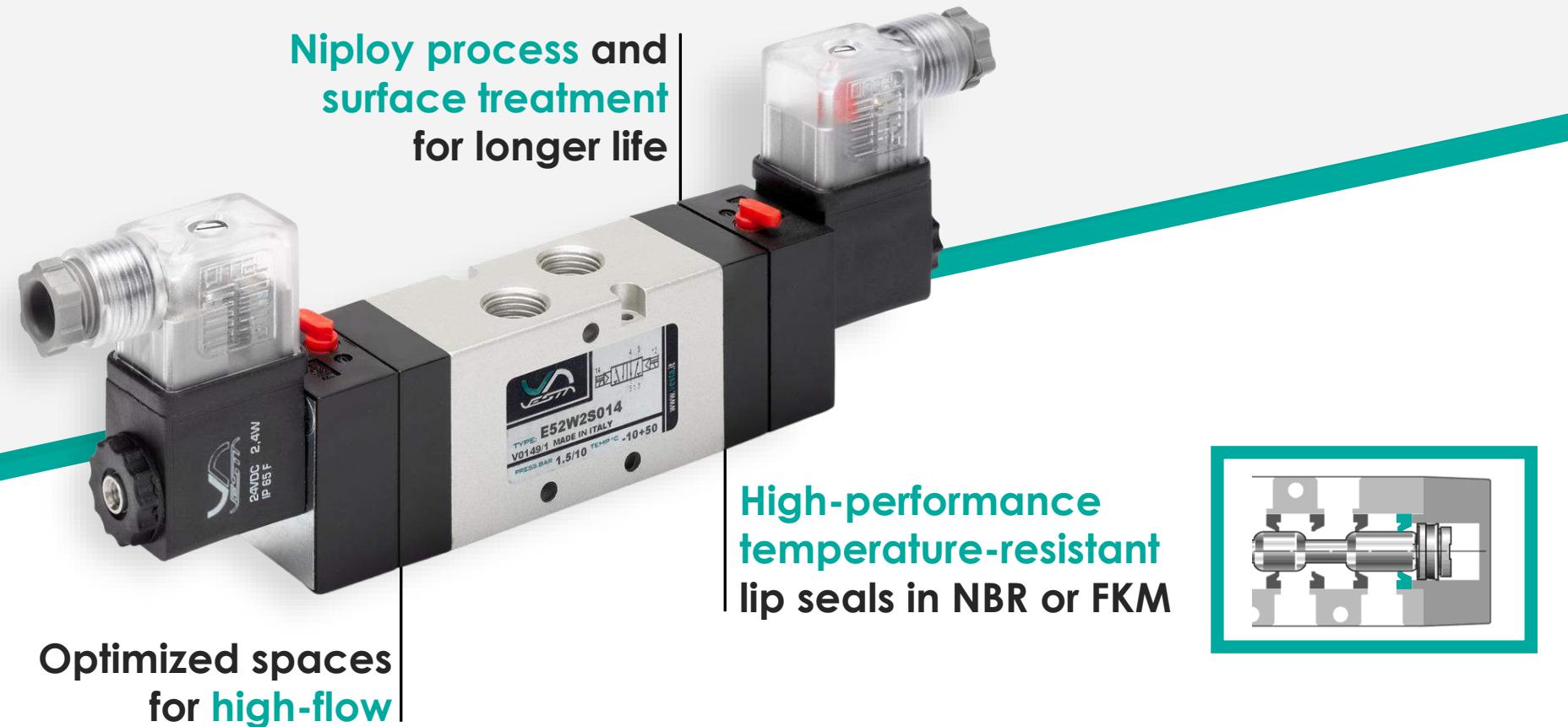
CLICK ON
PRODUCTS 





VALVES

34.5 million valves produced since 1989



VALVES

VECTA RANGE MAP

3D STEP FILES



CLICK ON
PRODUCTS



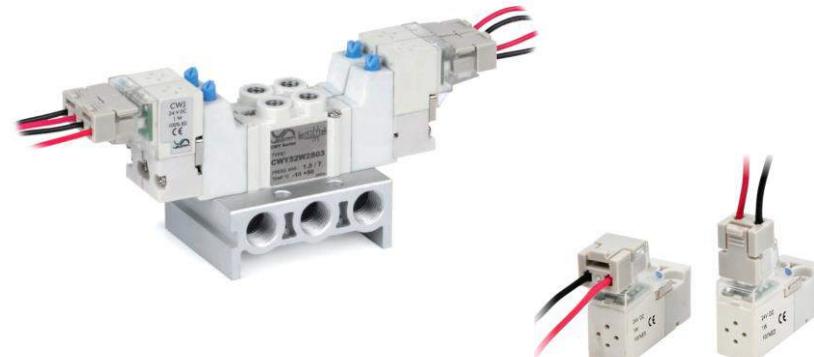
MULTIPOLE/NETWORK VALVE ISLANDS

page 24



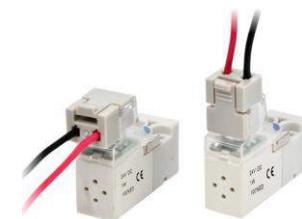
MINI SIZE VALVES

page 25



3/2 DIRECT OPERATORS

page 26



HIGH-FLOW 3/2 VALVES

page 27



MECHANICAL & MANUAL VALVES

page 28



VALVES & NAMUR FOR EXTREME ENVIRONMENT

page 20-21

VALVES & NAMUR FOR STANDARD ENVIRONM.

page 22



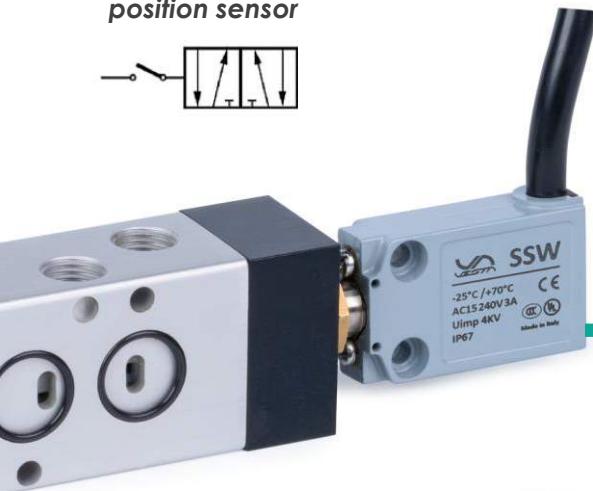
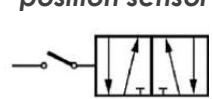
ISO VALVES SIZE 1, 2, 3, 4

page 23



BACK TO
THE RANGE

Available with
position sensor



High & low temp.
versions available

ATEX II 3GD
as standard



CLICK ON
PRODUCTS

20

VALVES FOR EXTREME ENVIRONMENT

E/NM Series

22mm coil
G1/8", 1/4", 1/2", NAMUR

ATEX II 3GD dust resistant lip-seals valves

COILS & CONNECTORS



3D STEP FILES





BACK TO
THE RANGE

ATEX II 2 GD VALVES & SOLENOID VALVES



ATEX II 2GD

XE/XNM/XSVE

22mm coil ATEX II 2GD
G 1/4", G 1/2", NAMUR, ISO 1

ATEX II 2GD full metal-body lip-seals valves

CLICK ON
PRODUCTS



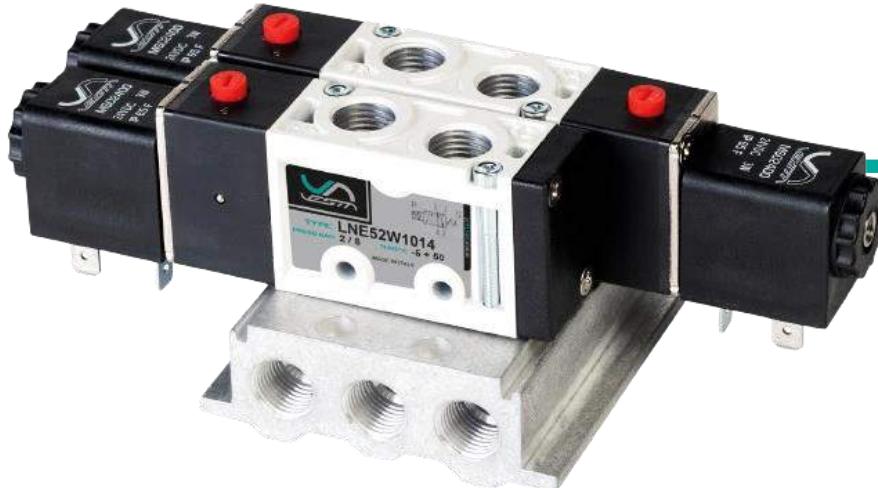


BACK TO
THE RANGE

VALVES FOR STANDARD ENVIRONMENT



NBR lip seals



External air supply
versions available



LNE/LNM Series

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

Light die-cast body lip-seals valves

CLICK ON
PRODUCTS





 BACK TO
THE RANGE

ISO 5599 VALVES & SOLENOID VALVES



High & low temp.
versions available

SVP/SVE Series

22/30mm coil
SIZE ISO 1, ISO 2, ISO 3, ISO 4

Die-cast body lip-seals ISO 5599 valves



Manifolds available
for all sizes (1, 2, 3, 4)

CLICK ON
PRODUCTS 





BACK TO
THE RANGE



Innovative system for
coils configuration



Switching
Time 15ms



Assembly kits
available



CLICK ON
PRODUCTS ↑

24

MULTIPOLE & FIELDBUS VALVE MANIFOLD

EWJ MULTIPOLISLAND

Self-configuration modular plug-in valve terminal

Operator 10mm

IN: G1/4" OUT: tube Ø 6, Ø 8

EWJ NETLOGIC

PROFINET, ETHERNET IP, ETHERCAT

Industrial network protocol valve terminal

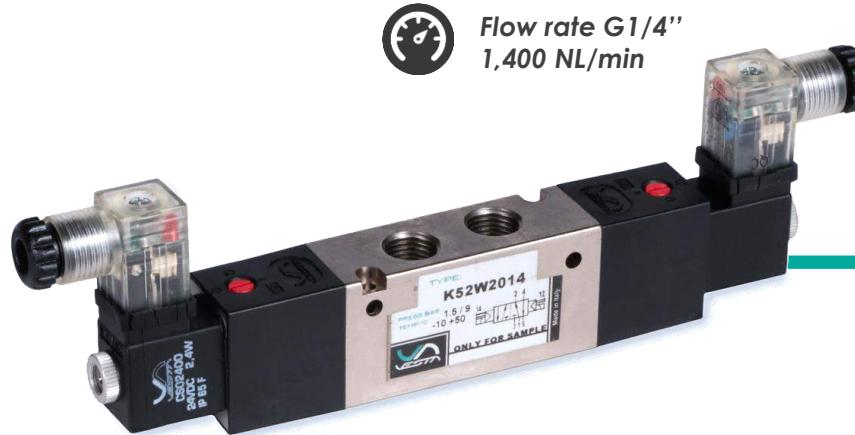
COILS & CONNECTORS





BACK TO
THE RANGE

MINI SOLENOID VALVES



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

K Series

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

High-flow quick-exchange mini valves

Quick switching
times up to 35Hz



Y Series

10mm coil
M5 ports

Mini M5 port valves manifold

CLICK ON
PRODUCTS





BACK TO
THE RANGE

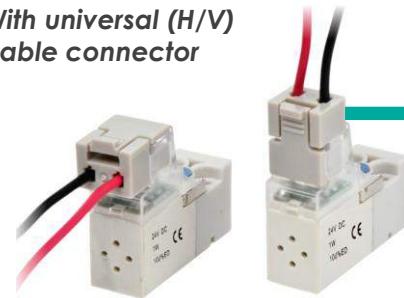
DIRECT ACTING 3/2 OPERATORS



With universal (H/V)
cable connector



Fast switching
times up to 30Hz



Modular bodies for
quick assembly



CWJ-10

10mm

3/2 micro operators 10mm (manifold available)

QBE

22mm coil - G1/8"

3/2 direct acting solenoid valves

CLICK ON
PRODUCTS

26

COILS & CONNECTORS





 BACK TO
THE RANGE

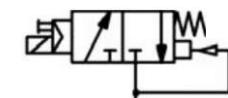
HIGH-FLOW 3/2 POPPET VALVES



High & low temp.
versions available



Flow rate 6.000
to 60.000 NL/min



Vacuum with
servo-vacuum
available

PV32

22/30mm coil
G1/8", 1/4", 3/8", 1/2", 3/4", 1", 1½", 2"

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

CLICK ON
PRODUCTS 





BACK TO
THE RANGE

MANUAL VALVES



Available with
AISI 304 levers



High & low temp.
versions available

Available with
pneumatic return



VCML

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

Manual lever valves (AISI 304 lever option)

VCMT

G1/8", 1/4"

Manual button valves

VFP

G1/4"

Foot pedal valves

CLICK ON
PRODUCTS



 BACK TO
THE RANGE

MECHANICAL VALVES



 High & low temp.
versions available



Food grade (AISI 304)
operators available



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)

CLICK ON
PRODUCTS 



BACK TO
THE RANGE

MANUAL & MECHANICAL MICRO VALVES



Available NC/NO,
5/2 and M5 ports



MPGI/MPF/MSR

Manual button/switch micro valves

Push-in Tube Ø4, M5

MMA

Cam actuated mechanical micro valves

Push-in Tube Ø4, M5

MMR/MMS

Roller lever mechanical micro valves

Push-in Tube Ø4, M5

CLICK ON
PRODUCTS



BACK TO
THE RANGE

PNEUMATIC LOGIC ELEMENTS

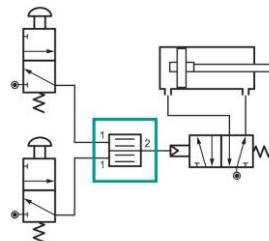


AND/OR/YES/NOT

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



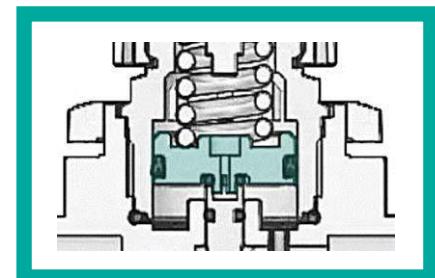
AIR TREATMENT UNITS

All series with
aluminium body
for **high-resistance**



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

**Acetal polymer pistons
with NBR lip seals for
stable regulation**



AIR TREATMENT

YU RANGE MAP

3D STEP FILES 

MANUAL & PILOT PRESSURE REGULATORS

[page 34](#)

PRECISION & PROPORTIONAL PRESSURE REGULATORS

[page 35](#)

CLICK ON
PRODUCTS



MODULAR LINES 1/4" TO 1" FRL UNITS

[page 36-37](#)



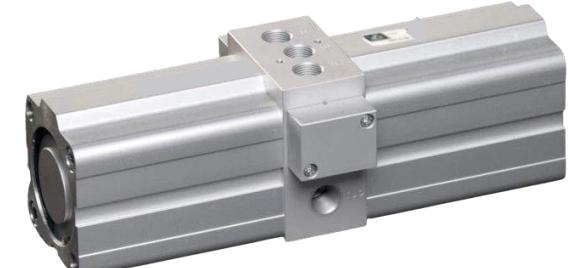
HIGH-PRESSURE & HIGH-FLOW FRL UNITS

[page 39](#)



PRESSURE BOOSTERS

[page 39](#)



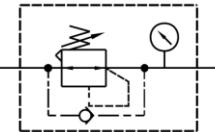


BACK TO
THE RANGE

MANUAL & PILOT PRESSURE REGULATORS



Regulators available
with backflow option



Flow rates up to
50,000 NL/min



TU-R SIZE 1/2

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)

TU-RP SIZE 6/7

G1/2", G1", G1 1/2", G2"

High-flow pilot regulators

CLICK ON
PRODUCTS

GAUGES



BRACKETS



3D STEP FILES





BACK TO
THE RANGE



0.2% F.S.
precision

HIGH-PRECISION PRESSURE REGULATORS

HPR SERIES

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

High-precision manual pressure regulators



High flow rates:
G1/2" 5,000 NL/min
G1" 14,200 NL/min

DPV SERIES

OPERATION
MANUAL



G1/4", 1/2" (1")

Proportional valves with electric control



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



DPS SERIES

OPERATION
MANUAL



G1/8"

Digital pressure switches (positive and vacuum)



NEW

DFM SERIES

Digital flow meters (100 to 2,000 NL/min)

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

CLICK ON
PRODUCTS



BACK TO
THE RANGE

FRL UNITS – MODULAR LINES



Metal bowl
available
for all sizes



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





BACK TO
THE RANGE

FRL UNITS – MODULAR LINES



Metal bowl
available
for all sizes



CLICK ON
PRODUCTS

36

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

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
VS = Slow start + shut-off valve

TU-SF SIZE 4/5

G1/2", 1"

Special filters, micro-mist and water separators

GAUGES



BRACKETS



3D STEP FILES





BACK TO
THE RANGE



0-15 bar regulation,
20 bar resistance

High & low temp.
versions available

Flow rates up to
50,000 NL/min



Multiplication
factor up to x4

HIGH-FLOW, HIGH-PRESSURE & BOOSTERS

TU-F, R, L SIZE 4H

G1/2"

High-pressure air treatment units (0-15 bar)
HHT version (+120°C), **LLT** version (-40°C)

TU-F, R, L SIZE 6/7

G1 1/2", 2"

High-flow filters & regulators

PBR SERIES

ø40, 63, 100

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

CLICK ON
PRODUCTS

FITTINGS

RANGE MAP

 FITTINGS CATALOG 

CONTROL VALVES

[page 40](#)



FLOW REGULATORS

[page 41](#)



SILENCERS

[page 41](#)



BRASS FITTINGS

[page 40](#)



STAINLESS STEEL FITTINGS

[page 40](#)



FITTINGS WITH VACUUM GENERATOR

[page 41](#)





BACK TO
THE RANGE

FLOW REGULATORS, SILENCERS, VACUUM



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



Material:
AISI 316



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

CLICK ON
PRODUCTS



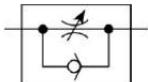


BACK TO
THE RANGE

FLOW REGULATORS, SILENCERS, VACUUM



Precision control
high flow capacity



Vacuum pressure
up to -0.90 bar



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

VQ

G1/8"

Fittings with vacuum generators

CLICK ON
PRODUCTS



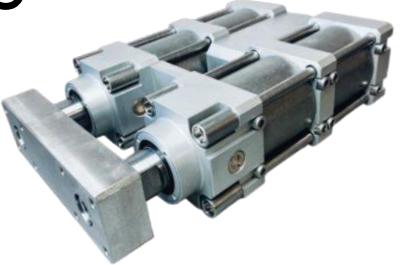


A custom Experience.

**RAILWAYS
& METRO SYSTEMS**



**WELDING
MACHINERIES**



**FOOD
& BEVERAGE**



CLICK ON
PRODUCTS

42

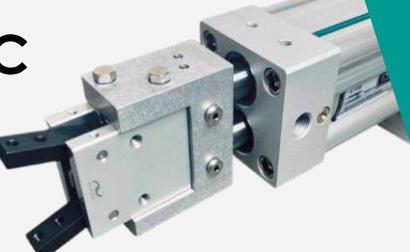
**TRUCKS
& AUTOMOTIVE**



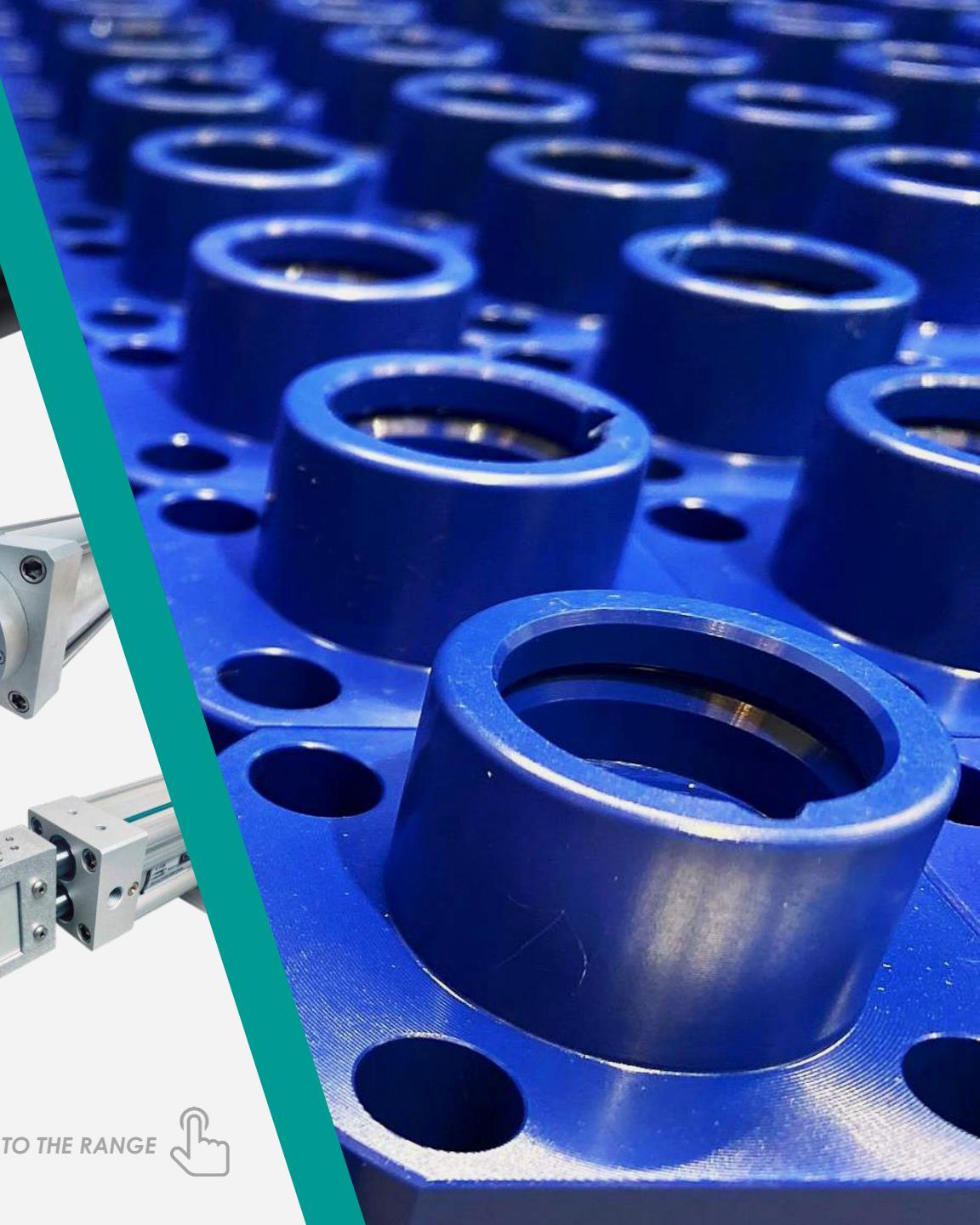
**CEMENT
& STEEEL PLANTS**



**PLASTIC
PROCESS**



BACK TO THE RANGE



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