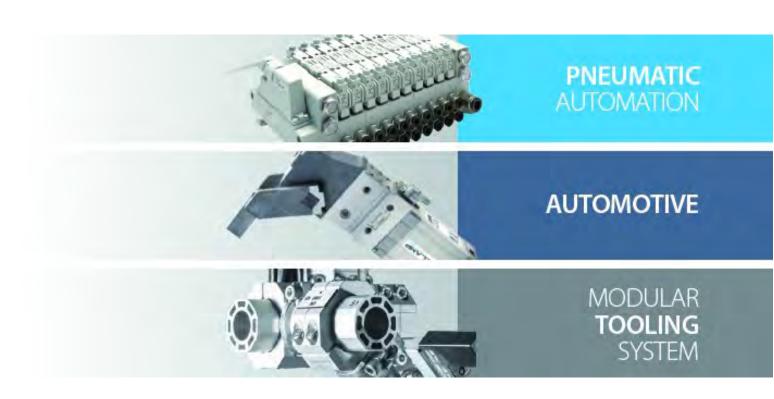


A single supplier with a complete range of products







KNOW-HOW 1971
RESEARCH
INNOVATION

since 1971 in Industrial Automation

~500 Global Resources

4 Production units

12 International Subsidiaries

~100 International Distributors

160 Registered patents





- Team of qualified engineers
- Design, engineering and development of each product, even on customer demand
- **Electronic division** for the design of the electronic components integrated into UNIVER products
- **Test room**: functional tests and life-testing













Certifications

ISO 9001:2015 Quality Management System





Product Certifications











Global presence _ EMEA countries

TALY UNIVER S.p.a. _ HEADQUARTER _ Milan

France UNIVER France S.a.s. _ Colmar

Germany UNIVER GmbH _ Rüsselsheim a/Main

Poland UNIVER Polska Sp. z o.o. _ **Kielce**

Spain UNIVER S.L. _ Barcelona



Distribution network_

Africa

Egypt

4.

Ivory Coast

Morocco

South Africa

Portugal Romania

Hungary

Ireland

Lithuania

Netherlands

Tunisia

Serbian Republic

Europe

Austria

Belgium

Bulgaria

Cyprus

Croatia

Czech Republic

Denmark

Estonia

Finland

Greece

Slovakia

Slovenia

Sweden

Switzerland

Turkey

United Kingdom



Global presence _ APAC countries.

China UNIVER China _ Shanghai

India JV UNIVER India _ New Delhi

Distribution network_

Asia	Middle East	Oceania
Indonesia	Israel	Australia
Malaysia	Kuwait	New Zealand
Pakistan	Oman	
Thailand	Qatar	
Taiwan	Saudi Arabia	
Vietnam	Syria	
	U. A. E.	
	Yemen	





Global presence _ NAFTA countries _





Global presence _ LATAM countries .





Some of our customers.























































































Pneumatic Automation









K_Series









KL

Ø 32÷125 mm





Ø 32÷125 mm



K160/200

Ø 160-200 mm



K250/320

Ø 250-320 mm





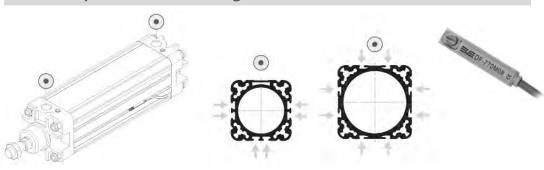
ISO 15552 Pneumatic cylinders KD_Series



Tube profile with **integrated sensor grooves**

HEAVY DUTY

Grooves position for DF magnetic sensors



•

Supply side

KD Ø32 \div Ø63 mm KD Ø80 \div Ø125 mm Right/ left and opposite to All sides the supply side

Bore mm	32÷125
Stroke mm	0÷1000
Туре	Double- acting , single -acting, through piston rod, tandem

Version preset for locking unit , magnetic version standard supplied



Position sensors for cylinders

DF-MS / DF-MA _ Series



Constant monitoring of cylinder stroke

- Analogic output
- **IO-Link** connection with constant **feedback**
- Zero-point can be freely selected
- Assemby on cylinders with «T» groove or through adaptor





Position sensors for cylinders

DF-MS / DF-MA _ Series

Which application?



- **+** Non-contact measurement of the position
- + Detection and control of **process and product quality** (ex: size, thickness, etc.)
- **Synchronization** of several actuators of the production line
- Process optimization

Sensors specifications	
Detection range	32÷1007mm
Resolution	0,03% FS (≥ 0,06mm)
Repeatability	0,06% FS (≥ 0,1mm)
Output function	4-20mA, 0-10V – IO-Link



M_Series





STAINLESS STEEL AISI 304 BARREL AND PISTON ROD

SHOCK ABSORBERS STANDARD SUPPLIED

ADJUSTABLE PNEUMATIC CUSHIONINGS

Bore mm	8 ÷ 25	
Stroke mm	0÷500	
Туре	Double acting, single acting, through piston rod with cushionings	
Preset for locking	unit Ø 16÷25, magnetic version Ø10÷25	



ISO 21287 compact cylinders

RM_Series



ADJUSTABLE PNEUMATIC CUSHIONING UNIVER Original since 1999

- No change in dimensions comparing to an equivalent cylinder without cushionings
- Standard supplied for all models



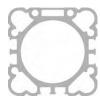
STANDARDS-BASED

Available in compliance with **UNITOP** and **ISO 21287** standards

STANDARD AND OCTAGONAL TUBE

Available in standard version and non-rotating version with **UNIVER Original** octagonal tube

standard



octagonal





STRONG compact cylinders

RS_Series

Centering bores, interaxes and piston rods complying with ISO 15552 standards



ADJUSTABLE PNEUMATIC CUSHIONING UNIVER Original since 1999

- No change in dimensions comparing to an equivalent cylinder without cushionings
- Standard supplied for all models



STRONG

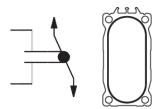
Oversized guide and piston rods

ISO 15552

Interaxes, centering bores and piston rods complying wiht ISO 15552 standards







COMPACT

Up to 40% width reduction if compared to standard cylinders

ANTI-ROTATION

Piston rod max rotation from 0,3° to 0,9°

CUSHIONING

Standard supplied Ø18 - 80 mm

(adjustable pneumatic cushionings)

Bore mm	18 ÷ 80
Stroke mm	0÷320
Туре	Double acting, through piston rod
Magnet and cushioning standard supplied Version : hollow piston rod	

PNEUMATIC AUTOMATION

PE MOD 12



Short-stroke cylinders . W_Series





1 Groove for DF Series recessed sensor

2 Groove for DH Series traditional sensor



Bore mm	12÷100
Stroke mm	0÷100
Туре	Double acting, single acting, through piston rod, tandem
Available with: ho	ollow piston rod, non-rotating piston rod



Slide units for pneumatic cylinders.

J_Series











J1

Cylinders ISO 6432



Cylinders ISO 15552



J3

Rodless Cylinders



J64RS

STRONG Cylinders



J64RT2

Telescopic Cylinders





Slide units for pneumatic cylinders

J_Series



STRONG

Extruded aluminium profile structure UNIVER Original

SMOOTH SLIDING

Self-lubricating guiding bushes made of special steel

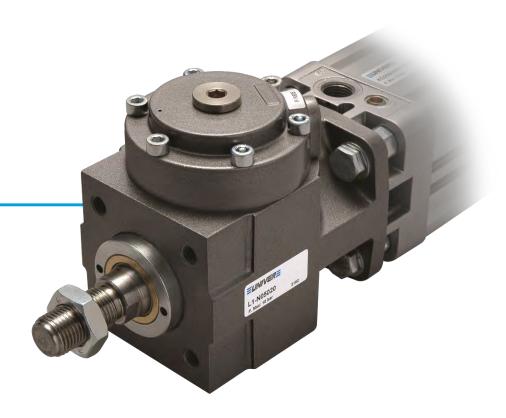
STURDY

Oversized hollow guiding shafts made of chromium-plated steel

STANDARD

Wide range of standard solutions for any application requirement





ORIGINAL

Locking system **UNIVER Original since 1998**

STATIC/DYNAMIC

Static locking and dynamic braking in a single device

POWERFUL

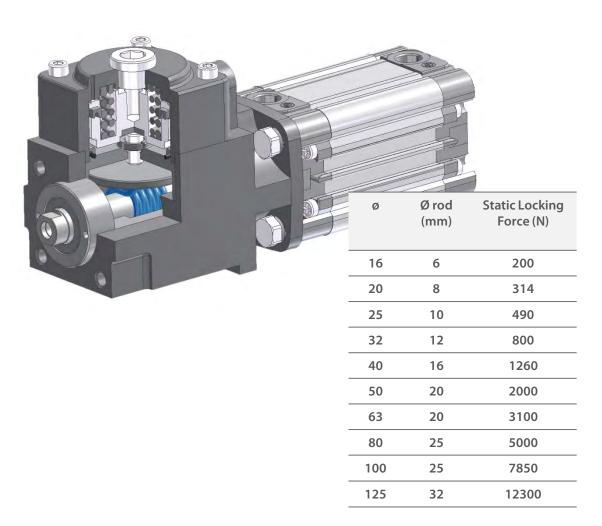
The highest locking force among market equivalent devices

STANDARD

No rod slipping even if affected by oil and grease



Locking units. L1-N_Series



- **UNIVER Original** locking system
- **Excellent response time**, high **repeatability**, high **kinetic energy**, high **shock and vibration resistance**
- To be used only with chromium-plated cylinders
- Sudden load changes are well supported
- No rod slipping even if affected by oil and grease
- Perfect compliace with safety standards: air pressure can be used only for locking release (4 bar)



Telescopic cylinders

RT_Series



ORIGINAL

UNIVER Original design and technology

INDUSTRIALIZED

Industrialized components and advanced technology

REDUCED DIMENSIONS

-60% less than standard cylinders

NON-ROTATING

Non-rotation octagonal tube standard supplied



2 stages **ø 25÷63 mm**



3 stages **ø 40÷ 63 mm**



VALVES





Standards-based valves . **BE/BD_Series**



BEISO 5599/1



BDISO 15407-**1/2**

Industrial Automation

ISO 5599/1 size **1-2-3-4**



G1/8 - G1 1/2

-UNIIVER

Industrial Automation





WIDE RANGE

G1/8 ÷ G1 1/2 2/2 - 3/2 NC-NO

COMPRESSED AIR VERSION

VACUUM VERSION

Available also with external pilot vacuum supply

HIGH FLOW RATE

Up to **35000 NI/min (G1 1/2)**



Standards-based valves

BD_Series

- ISO 15407-1/2 VDMA 24563
- Valve **18/26 mm**



BDE

Integrated electrical connection(ISO 15407/2)



BDA

Single electrical connection (ISO 15407/1)



BDB

M12 connector (Automotive)



BDA

Pneumatic connection (ISO 15407/1)



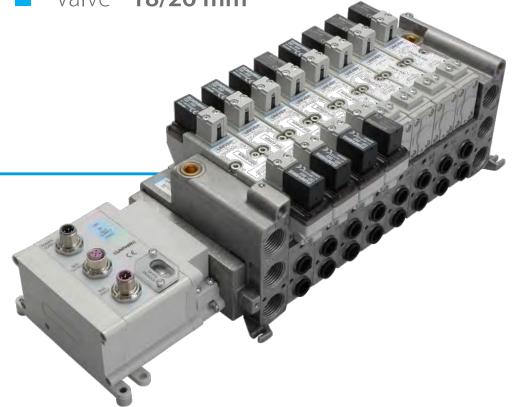


Standards-based valves

BD_Series

ISO 15407-1/2 VDMA 24563



















Funzioni	5/2 - 5/3 -	5/2 - 5/3 - 3/2 + 3/2	
Flow rate NI/min Standard ISO/VDMA Oversized	18 mm 620 800	26 mm 1250 1700	
Voltage V DC (1,5 W) BDA BDE V AC (2,3 VA) BDA	. –	12-24-48-110 24 12-24-48-110-230	

Modular sub-base, single electrical and multipolar connection

PNEUMATIC AUTOMATION

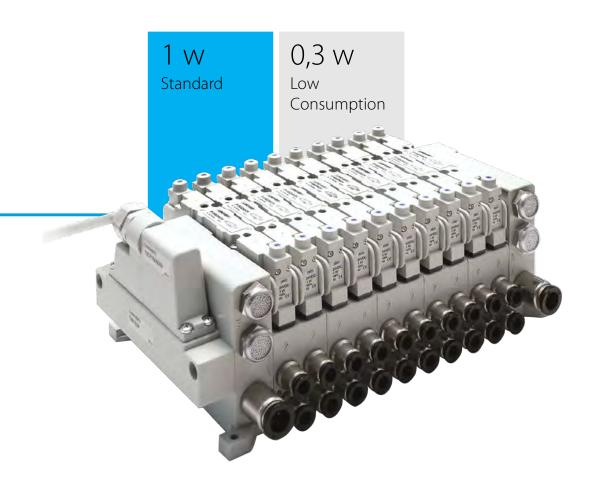
PE MOD 12



COMPACT EVO valves

C10 / C15 / C22_Series

10mm / 15mm / 22mm



HIGH FLOW RATE

310 NI/min [10 mm] / 800 NI/min [15 mm] / 1700 NI/min [22 mm]

COMPACT SIZE: 15 mm

Highest reduction of overall dimensions

EASY INSTALLATION

All pneumatic connections on the same side

COMPLETE SOLUTION

Threaded body and body for sub-base mounting 5/2 - 5/3 - 3/2 + 3/2







C22



COMPACT EVO valves C10 / C15 / C22_Series

Communication system

















PNEUMATIC AUTOMATION



EL_Series

18 mm (G1/8) **22 mm** (G1/4)



HIGH FLOW RATE

800 NI/mm (G1/8) **1700 NI/mm** (G1/4)

REDUCED DIMENSIONS

18 mm (G1/8) **22 mm** (G1/4)

COMPLETE SOLUTION

5/2 Monostable/Bistable

5/3 Closed centers/Open centers/Pressurized centers

3/2 NC+3/2 NC

3/2 NC+3/2 NO

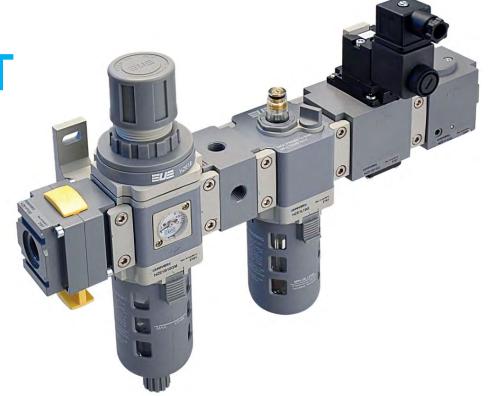
3/2 NO+3/2 NO

STRONG

Metallic body



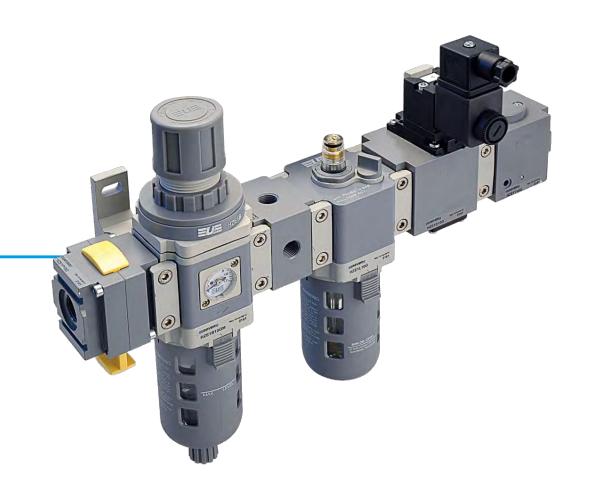
AIR TREATMENT





HZE_Series





MODULAR

40 mm HZE0
50 mm HZE05
63 mm HZE1
80 mm HZE2
92 mm HZE3

INTEGRATED GAUGE

Standard supplied

COMPLETE SOLUTION

Possibility of assembling combinations complete with accessories



Air Treatment

HZE_Series



-UNIVER*

Industrial Automation









size 0

600 NI/min

size **05**

1500 NI/min

size 1

2800 NI/min

size 2

4300 NI/min

size 3

10000 NI/min



ACCESSORIES











HAR seriesSpace-saving fittings



HB series
Metal push-in fittings



HC seriesAutomatic fittings and accessories with pneumatic function



HD seriesMetal standard fittings



HGC seriesPush-on fittings



HGO seriesOlive compression fittings



HGU seriesQuick couplings for compressed air



HE/HF seriesHoses



Thank you for your attention