

#pneumatic_automation #industry4.0
#cylinders #hightech
#airtreatment #valves
#distributors #krevolution #ovalcylinders
#compactcylinders #spoolvalves #uniclump
#automotive #powerclamps
#blueclump #essentialmultipin

#innovation_2019

#clampingtechnology #univergroup
#compactevolution #gr8 #eclamp
#modular_tooling_system #electricautomation
#pinunits #pinclamps #research
#powerpivot #gripperunits #epivot
#handling #knowhow #innovation
#univer #smartcylinders
#worldwide

ESSENTIAL multipin

New ESSENTIAL multipin manifolds

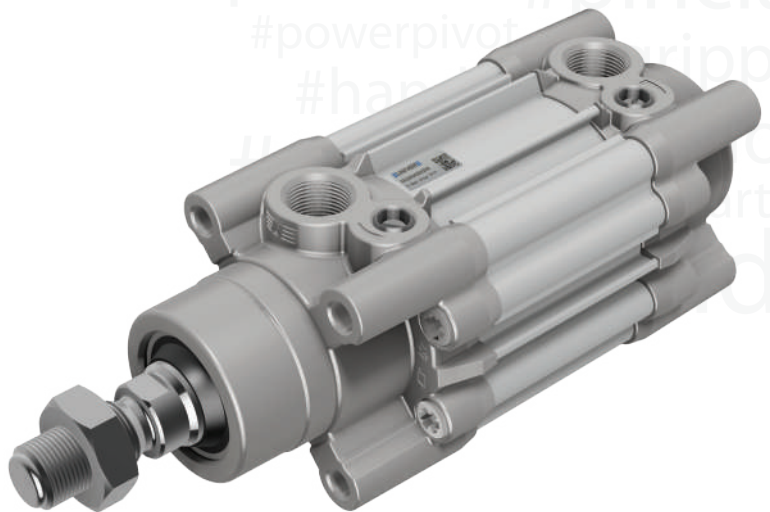
- Plug & Play solution
- Simplified design and reliable construction
- Anodized aluminium sub-base
- Multipin Configuration
Ready-to-use up to 24 signals
- Integrated LED indicator
- User configurable
With monostable and bistable valves



KRevolution ISO 1552

New ISO 1552 cylinders

- Innovative end-cap design
- Innovative tube/end-cap fixing system
- Innovative tube design
Integrated grooves for recessed sensors on 3 sides
- Complete range
Ø 32-40-50-63-80-100
- Strong and lightweight
Aluminium end-caps, piston and tube
- Silent
Pneumatic cushionings and elastic shock-absorbers standard supplied



UNICLAMP next generation

The new clamping technology

- Irreversible
- Adjustable opening angle
 0 ÷ 135°
- Integrated compensation
 UNIVER original spring pack technology
- Compact and lightweight
- DF-K new generation sensor
 Full optical
- A unique sensor for the complete range
- IO-Link version
- QR-Code identification
- Standard and NAAMS versions



ePIVOT electric power

New electric power pivots

- Plug & Play system
 UNIVER original
- Constant torque 500Nm
- Adjustable pivoting angle
 Up to 360°
- Adjustable table position
- Interchangeable with pneumatic power pivots
- Energy saving
- Remote control
- Compatible with different motors



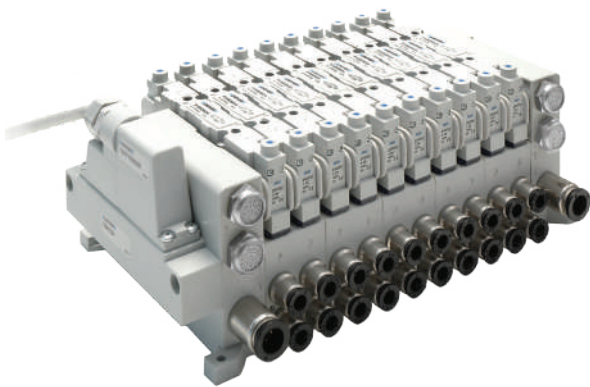







COMPACT evolution

COMPACT evolution distributors



- New generation
Evolution of COMPACT valve series
- New high-performance and low consumption electropilots (0,3W)
- New manual override
Ergonomic position
Double function: impulse and 1-2 positions
- Industry 4.0 ready
- TC modular serial communication system
- IO-Link connection module



P10B



P15B



P22B

HZRE30

Mini proportional electropneumatic regulators



- Linearity $\leq 1\%$
- Repeatability $\leq \pm 0,5\%$
- Hysteresis $\leq 0,5\%$
- Wide adjusting range
- M8 in-line and 90° connectors
- Manifold version
Available upon request



HZRE5



Proportional regulators



Product line "Simple & Reliable"

- 3 sizes available
- High visibility LED display
- Low consumption
- Aluminium body
- User-interface integrated buttons
- M12 connector

DF-MS/DF-MA

Cylinder position sensors



- Continuous detection of the cylinder stroke
- Available with analog and IO-Link output
- Wide detection range
- Repeatability 0,1mm
- Direct assembly in cylinder sensor grooves on KD, KL, RP, RM, RO, RN, RS, RQ, OV and W cylinder series



DF-MS

IO-Link upon request
Detection range up to 250mm



DF-MA

IO-Link standard supplied
Detection range up to 1000mm

TCXLK



IO-Link communication nodes



- IO-Link 1.1 Class B or Class A
- Short-circuit protection
- Up to 24 coils connection
- Open-circuit coil diagnostics
- Overload diagnostics
- Missing power diagnostics
- Under voltage diagnostics

JBS/JBV



Guided compact cylinders



Product line "Simple & Reliable"

- Pneumatic compact cylinder with integrated guide
- Strong and reliable construction
- Bushing or ball-bearing guides
- Recessed sensors
- Wide range of diameters
Ø16-20-25-32-40-50-63

Air saving clamps



AIR SAVING up to **40%**

- Low air consumption
Up to 40% air saving
- Same clamping force as market standard models
- Irreversible, adjustable, lightweight
- Integrated compensation
UNIVER original spring pack technology
- IO-Link version
- QR-Code identification
- Standard and NAAMS versions
- DF-K new generation sensor
Full optical

USP/USS

Standard and High compensation pin clamps



- New design
- Irreversible
UNIVER original toggle joint system
- Integrated compensation
Up to 2,5mm
- High compensation version
Up to 6mm
- Double metal scraper
- Possibility to choose the hook orientation
0 ÷ 180°
- DF-K new generation sensor
Full optical



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