In light of technical updates, Univer S.p.A. reserves the right to modify technical features of its products with no obligation to issue prior notice.

Information contained in the present catalogue is pure indication. For further details about product technical features and related parameter values to be respected for a proper functioning, please refer to the datasheets available at:
www.univer-group.com

All rights reserved to Univer S.p.A. Unauthorized reproduction prohibited.
ESSENTIAL

EL series valves 18 mm (G1/8) 22 mm (G1/4)

HIGH FLOW RATE
800 Nl/min (G1/8) 1700 Nl/min (G1/4)

REDUCED DIMENSIONS
18 mm (G1/8) 22 mm (G1/4)

COMPLETE SOLUTION
Available versions
5/2 - 5/3 - 3/2+3/2

STRONG
Aluminium body
PNEUMATIC AUTOMATION

Industrial Automation

www.univer-group.com

**INTERCHANGEABLE U6 COIL**
- 12 - 24 V DC
- 24 - 110 - 220 V AC

**METALLIC MANUAL OVERRIDE** (standard supplied)
- Impulse and 1-2 positions

**SUB-BASE MOUNTING**
- Easy installation by means of 2 screws

**INDIVIDUAL MOUNTING**
- Side holes on valve body

**UNIVER TRADITIONAL SPOOL TECHNOLOGY**
- The dynamic spool guarantees long service life and reliability

Technopolymer modular sub-base

Aluminium sub-base
COMPACT

**P10** (10 mm) **P15** (15 mm) **P22** (22 mm)

**HIGH FLOW RATE**
UNIVER traditional spool technology

**COMPACT SIZE**
Highest reduction of overall dimensions

**EASY INSTALLATION**
All pneumatic connections on the same side

**COMPLETE SOLUTION**
5/2 - 5/3 - 3/2+3/2

**LOW POWER CONSUMPTION**
1 W (standard) 0,3 W (upon request)

NEW up to 36 coils

- **P10**
  - 310 NL/min

- **P15**
  - 800 NL/min

- **P22**
  - 1700 NL/min
TC
Serial Communication System

MODULAR
Configurable expansion modules

FLEXIBLE
High handling capacity of digital inputs and outputs

INTEGRATED
Direct connection to valve manifolds

DISTRIBUTED CONFIGURATION
Remote expansion modules for valve manifolds
ATEX

Products in compliance with 2014/34/EU ATEX Directive
CSA - UL
Products certified for North America (United States - Canada)

ELECTROPILOTS U1 - U2 - U3 SERIES
IN COMPLIANCE WITH
CSA C22.2 N.139-13
UL 429/2013
AVAILABLE SERIES
AA / AB / BE / AE / AC-N / CL-CM / AC / AF / AG / HZE0S / HZE1S
HZRP30
Precision Regulator G1/4

COMPACT AND LIGHTWEIGHT
Die-cast aluminium body

HIGH PRECISION AND STABILITY
Multi-membrane construction

ADJUSTING RANGE
0 ÷ 2 bar / 0 ÷ 4 bar / 0 ÷ 8 bar

FLEXIBLE MOUNTING
Panel or bracket mounting
HZRE
Electropneumatic **Proportional** Regulators

**3 SIZES**
G1/8 - G1/4 - G1/2

**INTEGRATED DIGITAL DISPLAY**
Easy reading and setting

**INTEGRATED USER INTERFACE**
Buttons for easy setting standard supplied

**DIRECT ELECTRICAL CONNECTION**
M12A (4 pins) connector standard supplied

**HIGH PRECISION**
High precision pressure sensor
HZE05
Air Treatment Units - **NEW Size 05** (50 mm)

- REDUCED DIMENSIONS
- MODULAR STRUCTURE
- PUSH-LOCK KNOB
- DIE-CAST ALUMINIUM BODY
- COMPLETE SOLUTION
HZRS
Mini Regulator G1/4

COMPACT AND LIGHTWEIGHT
Reduced dimensions and weight

MODERN DESIGN

PANEL OR IN-LINE MOUNTING
Bracket or ring nut for panel mounting

PISTON CONSTRUCTION
WITH RELIEVING
HZ9NP40
HZE Integrated Digital Pressure Switch

COMPACT SOLUTION
Reduced overall dimensions

QUICK ASSEMBLY
Easy installation

2-COLOUR DIGITAL LCD DISPLAY
Free configuration according to the applications

AVAILABLE FOR THE WHOLE RANGE
For regulators and filter regulators size 0, 05, 1, 2
HZ9NP50
IP65 Digital Pressure Switch with connector

**IP65 PROTECTION**
Against water and dust from all directions

**316L STAINLESS STEEL SENSOR AND FITTING**
Suitable for aggressive fluids and gases

**2-COLOUR DIGITAL LCD DISPLAY**
Free configuration according to the applications

**QUICK CONNECTION**
Connector with quick installation cable standard supplied

**COPY FUNCTION**
The setting of master HZ9NP50 can be copied onto slave pressure switches
HZEG/HZEGD

**Coalescence and Activated Carbon** Filters HZE - Size 1 and 2

**HIGH PERFORMANCE AND LONG SERVICE LIFE**

**COALESCENCE FILTER ELEMENTS**
0,3 μm - 0,01 μm

**CONDENSATION DRAIN**
Manual - Semi-automatic - Automatic

**ATEX VERSION AVAILABLE UPON REQUEST**
PM/PK

Stainless Steel Pneumatic Cylinders

ISO 15552 CYLINDERS
Ø32 ÷ 100 mm

ROUND CYLINDERS
Ø32 ÷ 63 mm

ISO 6432 MICROCYLINDERS
Ø16 ÷ 25 mm
LAE

Electric Power Clamps

INTERCHANGEABLE
Same overall dimensions as pneumatic power clamps

ADJUSTABLE OPENING ANGLE
15°÷130°

UNIVER ORIGINAL CONTROL UNIT

ENVIRONMENTALLY FRIENDLY
TC-E
Modular Control System for Electric Clamping Units

SERIAL COMMUNICATION SYSTEM

POWER UNIT
EFFICIENT power management

ELECTRIC UNIT DRIVER
Control module for 2 clamping units
Max 8 electric devices

FLEXIBLE
Compatible with I/O modules and valve manifolds
BLUECLAMP

-10% REDUCED OVERALL DIMENSIONS

STEPLESS ADJUSTABLE OPENING ANGLE 0°÷135°

INTEGRATED COMPENSATION

LIGHTWEIGHT

REAR, FRONT AND SIDE MOUNTING SURFACE

IRREVERSIBLE

AIR SAVING up to 40%
ALL SIZES AVAILABLE
32 - 40 - 50 - 63 - 80 mm

TOGGLER JOINT MECHANISM AND SPRING PACK SYSTEM
Same internal system as standard UNIVER clamps

HIGH AIR SAVING IN EACH SIZE

STANDARD AND NAAMS VERSIONS

<table>
<thead>
<tr>
<th>SIZE</th>
<th>STANDARD CLAMP</th>
<th>BLUE CLAMP</th>
<th>SAVING %</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>99</td>
<td>60</td>
<td>40%</td>
</tr>
<tr>
<td>40</td>
<td>165</td>
<td>103</td>
<td>39%</td>
</tr>
<tr>
<td>50</td>
<td>286</td>
<td>185</td>
<td>35%</td>
</tr>
<tr>
<td>63</td>
<td>510</td>
<td>338</td>
<td>34%</td>
</tr>
<tr>
<td>80</td>
<td>1270</td>
<td>787</td>
<td>38%</td>
</tr>
</tbody>
</table>

* = cm³/bar
LGPS
Pneumatic Grippers

- **STEPLESS ADJUSTABLE OPENING ANGLE**
  $0^\circ \div 135^\circ$

- **LIGHTWEIGHT**

- **TOGGLE JOINT MECHANISM**
  Irreversible movement without air supply

- **INTEGRATED COMPENSATION**

- **TWO-SIDED SENSOR MOUNTING POSITION**
  Left and right side

- **360° ORBITAL ORIENTATION**
  Unlimited orbital mounting adjustment

- **INTEGRATED CUSHIONING SYSTEM**
LARP
UNIVERSAL Power Pivot

ADJUSTABLE OPENING ANGLE
$0^\circ \div 120^\circ$

STOCK REDUCTION

AVAILABLE WITH OR WITHOUT BRAKE

EASY SET-UP
DF-S/DF-C
NEW Compact Sensor

FULL METALLIC BODY

2 VERSIONS:

DF-S M12 adjustable swivel connector (in steps of 10°)
DF-C M12 fixed connector (to minimize overall dimensions)

REDUCED OVERALL DIMENSIONS
INTERCHANGEABLE WITH DF-U SENSOR
ONE SINGLE SENSOR FOR THE WHOLE RANGE

DF-S

1 SENSOR = STOCK REDUCTION
DF-RW700
Magnetic Field Immune Sensor

WELD FIELD IMMUNE FOR AUTOMOTIVE MANUFACTURING

2-COLOUR LED
Unstable sensing range: RED
Stable sensing range: GREEN

FOR CYLINDER SERIES:
ISO 6432 - M
ISO 15552 - KE/KD/KL
UNITOP - RP/RO
ISO 21287 - RM/RN
STRONG - RS/RQ
OVAL - OV
ROTARY - R
SHORT-STROKE - W
UNIVERSAL MINI CLAMP

Pneumatic Power Clamps Ø25 - Ø32

- Stepless adjustable opening angle: 0° ÷ 135°
- Lightweight
- Integrated compensation
- Irreversible

www.univer-group.com
GR8
Modular Tooling System

HIGH PRECISION
High level of positional repeatability; low deflection

MODULAR COMPONENTS
Considerable reduction of mounting components

QUICK INSTALLATION AND SET-UP
No welding or doweling required, easily replaceable components

FULLY ADJUSTABLE
Unlimited orientation in space and free configuration
Industrial Automation

**UNIVER**

Industrial Automation

 Ø 30 - 45 - 70 mm BOOMS
Maximum stiffness and minimum weight

**LOCKING RING**
Precise and efficient system to guarantee a high level of positional accuracy

**BALL MOUNTING**
Unlimited swivel rotation
GR8
Application examples

Unlimited and complex configurations
Weight-optimized standard components and brackets
Quick installation and adjustment
Modular components
UNIVER S.p.A.
Headquarters
I - 20128 Milano
Via Eraclito, 31
Tel. +39 02 25298.1
Fax +39 02 2575254
info@univer-group.com
www.univer-group.com

UNIVER SERVICE S.r.l.
Headquarters
I - 20128 Milano
Via Empedocle, 20
Tel. +39 02 25298.1
Fax +39 02 25298370
universervice@universervice.it
www.universervice.it

Branch Offices
I - 20128 Milano
Via Empedocle, 20
universervice@universervice.it

I - 40069 Zola Predosa Bologna
Via Balzani, 5
bologna@universervice.it

I - 10071 Borgaro Torinese Torino
Via Veneto, 18
torino@universervice.it

I - 30030 Vigonovo Venezia
Via Prima strada 16/A - Loc. Galta
vigonovo@universervice.it

UNIVER DO BRASIL Ltda
BRAZIL - 13474-764 - Americana São Paulo
Rua do Polyester, 29
Distrito Industrial Abdo Najar
atendimento@univer.com.br

UNIVER CHINA
CHINA - Shanghai Pudong
399 Fu Te North Road
Free Trade Zone
info@univer-china.com

UNIVER FRANCE S.a.s.
FRANCE - 68000 Colmar
1, rue Denis Papin
info@univer-france.fr

UNIVER G.m.b.H.
GERMANY - D-65428 Rüsselsheim
Eisenstraße 51
info@univer-gmbh.de

UNIVER NORTH AMERICA
USA - 48312 Sterling Heights - Michigan
6620 Cobb Drive
info@univer-group.us

UNIVER Polska Sp. z o.o.
POLAND - 25-663 Kielce
ul. K. Olszewskiego 21E
univer@univer-group.pl

UNIVER S.L.
SPAIN - 08210 Barbera Del Valles Barcelona
Ronda Industria, 26 - 28
univer@univerweb.com

Univer S.p.A. reserves the right to modify technical features of its products with no obligation to issue prior notice