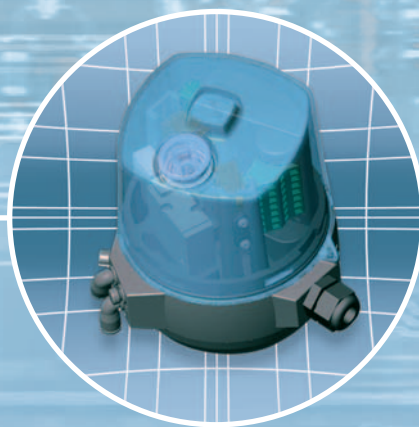
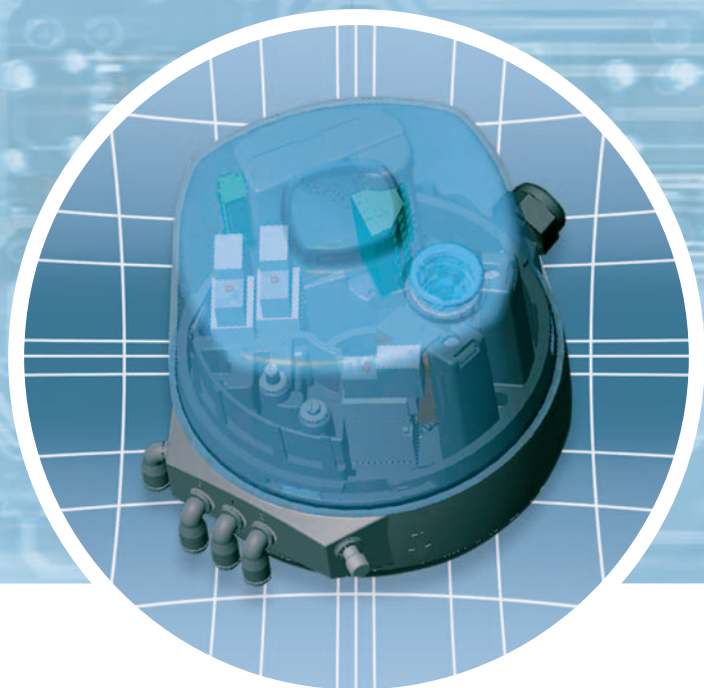


range

of

ACS - ICS

control tops



ADVANCED

Advanced technology
to meet your needs

 **DEFINOX**

taylor-made solutions

THE SOLUTION

TO YOUR REQUIREMENTS



■ OPTIMISED APPLICATION

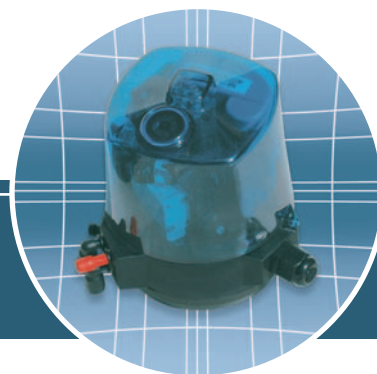
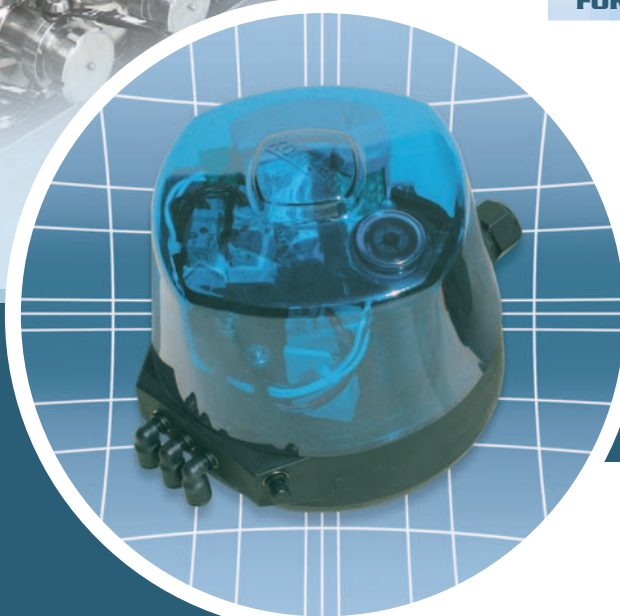
- Modular design
- Easy handling
- User-friendly interface
- Quick-fitting electric and pneumatic connections

■ ADDITIONAL FUNCTIONS

- Relief valve
- Optional linear sensor
- Shut-off valve open sensor
- Various electronic modules

DEFINOX'S EXPERTISE

FOR EXPERT TECHNOLOGY



● **ACS** (Advanced Control System)

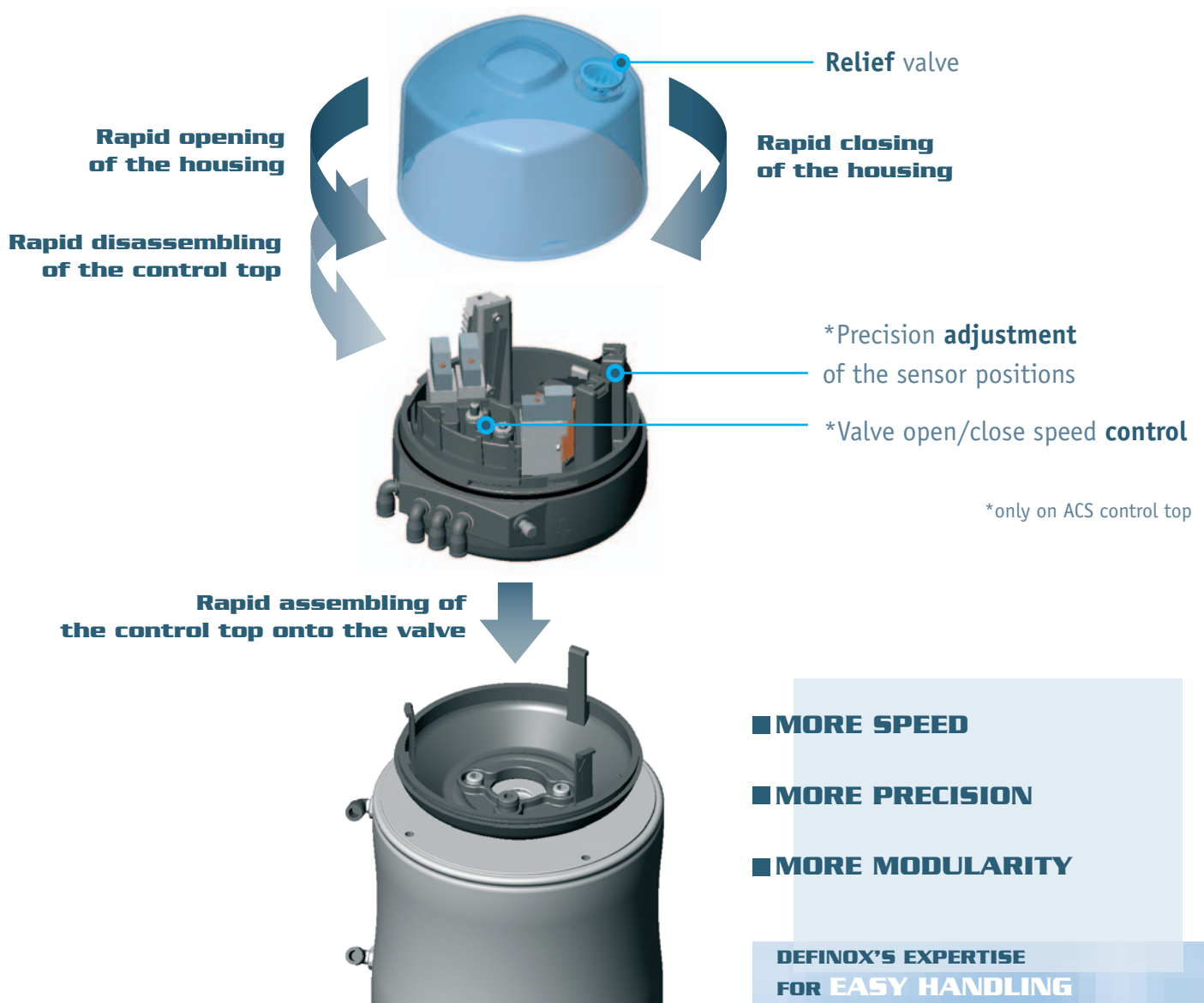
The ACS control top covers the DPAX range of butterfly valves, DCX changeover valves, DMAX diaphragm valves and VDCI double block and bleed valves with ND from 25 to 125 depending on the valve type.

● **ICS** (Integrated Control System)

The ICS control top covers the DPAX range of butterfly valves, DCX changeover valves and DMAX diaphragm valves with ND from 1/2" to 76 depending on the valve type.

FOR ALL VALVE TYPES

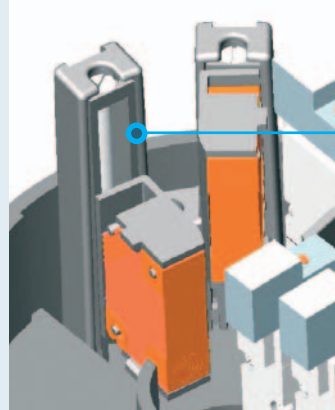
A NEW GENERATION OF PRACTICAL AND SCALABLE SOLUTIONS



ACCURATE DETECTION



- *Linear sensor**
- Accuracy to 0,2 mm
 - Lower **shut-off valve open sensor**
 - Automatic or manual calibration



- Digital sensors**
- *Precision adjustment of the inductive sensor positions
 - Extensive adjustable sensing range 80 mm

*only on ACS control top

OPTIMISED PERFORMANCES

■ GOOD OVERVIEW

of I/O states by means of LED

■ LOW POWER

consumption of the control tops

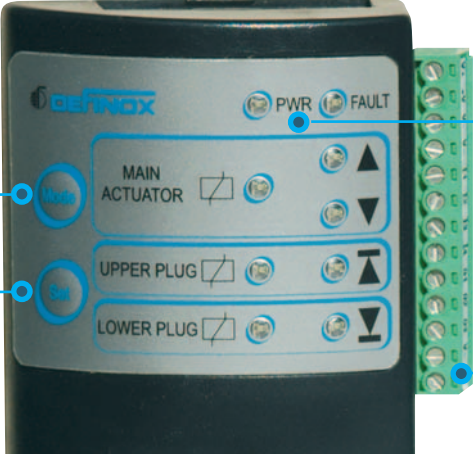
■ QUICK-FITTING ELECTRIC AND PNEUMATIC CONNECTIONS

■ PROTECTIVE RESIN COATING

covering the electronics

DEFINOX'S EXPERTISE
FOR IMPROVED ERGONOMICS

USER-FRIENDLY INTERFACE



Symbols used to simplify valve status readings

▲	Open
▼	Closed
⏏	Upper shut-off valve
⏏	Lower shut-off valve

Power supply and fault detection

Plug-in connector on sensor and solenoid valve sides

*only with the linear sensor

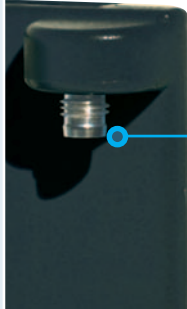
Interchangeable modules
depending on the electrical connection:

- AS-i 2.1 modules (certified),
- Multi-voltage modules (24V AC/DC - 48V AC/DC),
- ...

PLC LINK



Spring cage connection for point-to-point

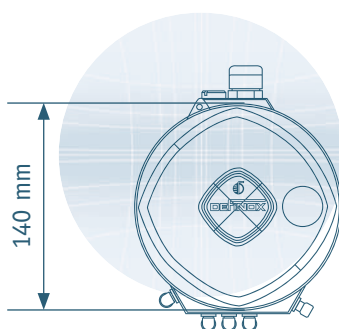
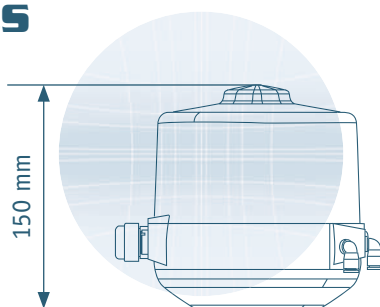


M8 for AS-i

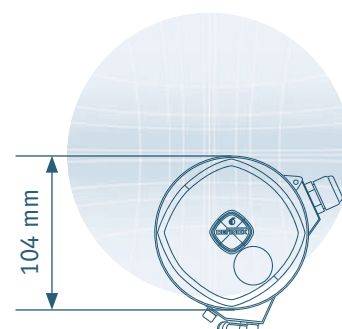
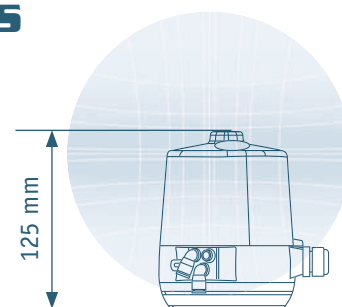
DIMENSIONS



Control top **ACS**



Control top **ICS**



SPECIFICATIONS

ACS control top

ICS control top

Quick-disconnect housing	Yes	Yes
Relief valve	Yes	Yes
Point-to-point connections	24-48V AC/DC	24-48V AC/DC
Multi-voltage modules	PNP/NPN retro data	PNP/NPN retro data
AS-i connections	AS-i 2.1	AS-i 2.1
Sensors	2 digital sensors with fine adjustment or 1 linear sensor	2 digital sensors
Linear sensor	Resolution 0,2 mm Automatic or manual calibration Stroke 80 mm	No
External sensor	Yes	No
Power consumption (1 SV and 1 sensor activated)	< 70 mA in AS-i < 50 mA in 24V DC	< 70 mA in AS-i < 50 mA in 24V DC
Solenoid valves	1 to 3 SV 3/2	1 SV 3/2 or 1 SV 5/2
Pneumatic functions	NC, NO (only in 1 SV)	NC, NO and DA
Valve open/close speed control	Yes	No
Pneumatic connections	Quick 4/6	Quick 4/6
Air quality	Dry air filtered 10µm 500 kPa - 700 kPa (5 bar - 7 bar)	Dry air filtered 10 µm 500 kPa - 700 kPa (5 bar - 7 bar)
Display	Yellow LEDs (3 or 7): I/O Red LED (1): Faults Green LED (1): Power supply	Yellow LEDs (3): I/O Red LED (1): Faults Green LED (1): Power supply
Operating temperature	0°C - 70°C	0°C - 70°C
Protection index	IP67	IP67



DEFINOX Germany

Am Blöcken 20 - D-21493 TALKAU - GERMANY
Tel. : (49) 04156/83 00 - Fax : (49) 04156/79 09
E-mail : Rudiger.Brand@t-online.de

DEFINOX - DEFONTAINE UK Ltd

Malmesbury Business Park - Tetbury Hill
MALMESBURY SN16-9JU - GREAT BRITAIN
Tel. : (44) 1666 824 800 - Fax : (44) 1666 822 049
E-mail : shelagh@uk.defontaine.com

DEFINOX - DEFONTAINE ITALIA srl

via Delle Industrie N°13/25-26
I-20020 ARESE - MILANO - ITALY
Tel. : (39) 02/93.589.564 - Fax : (39) 02/93.589.558
E-mail : etosatto@defita.com

DEFINOX - DEFONTAINE IBERICA SA

Poligono La Granja Parc. 15
E-31230 VIANA (Navarra) - SPAIN
Tel. : (34) 948-646-133 - Fax : (34) 948-646-155
E-mail : Franck-Albert@definox.com

DEFINOX - DEFONTAINE of AMERICA, inc.

16720 W. Victor Road - New Berlin
53151 WISCONSIN - USA
Tel. : (1) 262-797-5730 - Fax : (1) 262-797-5735
E-mail : lbuckett@definox-usa.com

DEFINOX Beijing Stainless Steel Equipment Ltd
No 18 Anningzhuang East Road - Haidian District
BEIJING 100085 - CHINA

Tel. : (86) 10.6293.4909 - Fax : (86) 10.6293.4835
E-mail : xiuli@public3.bta.net.cn

DEFINOX - Groupe DEFONTAINE

3 rue Louis Renault - BP 329
44803 SAINT HERBLAIN Cedex - FRANCE
Tel. : +33 (0)2 40 67 89 89
Fax : +33 (0)2 40 67 89 01
E-mail : Info@definox.com
Internet : www.defontaine.com

