

ASCO products overview

Goal of the training

- This training is dedicated to inside administration sales men

	Skills	Level
Products	F. Power	2
	Proportional	1
	V. Islands	1
	F. Control	2
	Micro	1
	Commercial	1
	Hazardous env.	1
Applications	Automation	1
	Solutions	1
	Specials	1
	Medical	1
	Energy Saving	1
	Safety	1
Support	E-Tools	2

Level meaning

1	Awareness / Don't know the products - Can do pitch talk
2	Basic / Read & Use product datasheet
3	Qualified / Knows select & size products for the application
4	Specialist / Knows how to address with fit support
5	Expert / Bringing adding value whatever questions are

Agenda

Emerson and ASCO overview

Energies and Fluids

Datasheet information

Code numbers

Digital communication

2017 Emerson At-A-Glance

FOUNDED

1890

HEADQUARTERS IN
ST. LOUIS, MO
USA

RECOGNITION

#139 **2017**
FORTUNE 500
AMERICA'S
LARGEST
CORPORATIONS
BY REVENUE

Top 50 Employers
WOMEN ENGINEERS
MAGAZINE

**America's Best
Employers**
FORBES MAGAZINE

TWO BUSINESS PLATFORMS



EMERSON AUTOMATION SOLUTIONS



EMERSON COMMERCIAL & RESIDENTIAL SOLUTIONS

WORLDWIDE

76,500
EMPLOYEES

200
MANUFACTURING
LOCATIONS

INNOVATION

EMERSON EMPLOYEES WERE AWARDED MORE THAN

2,100 PATENTS WORLDWIDE IN 2017

\$15.3
BILLION

IN GLOBAL SALES
FISCAL YEAR 2017

61
YEARS

CONSECUTIVE
YEARS OF
INCREASED
DIVIDENDS

NYSE:
EMR



Core Business Platforms

We concentrate on the most complex and important challenges facing the world in the process, industrial, commercial and residential markets.

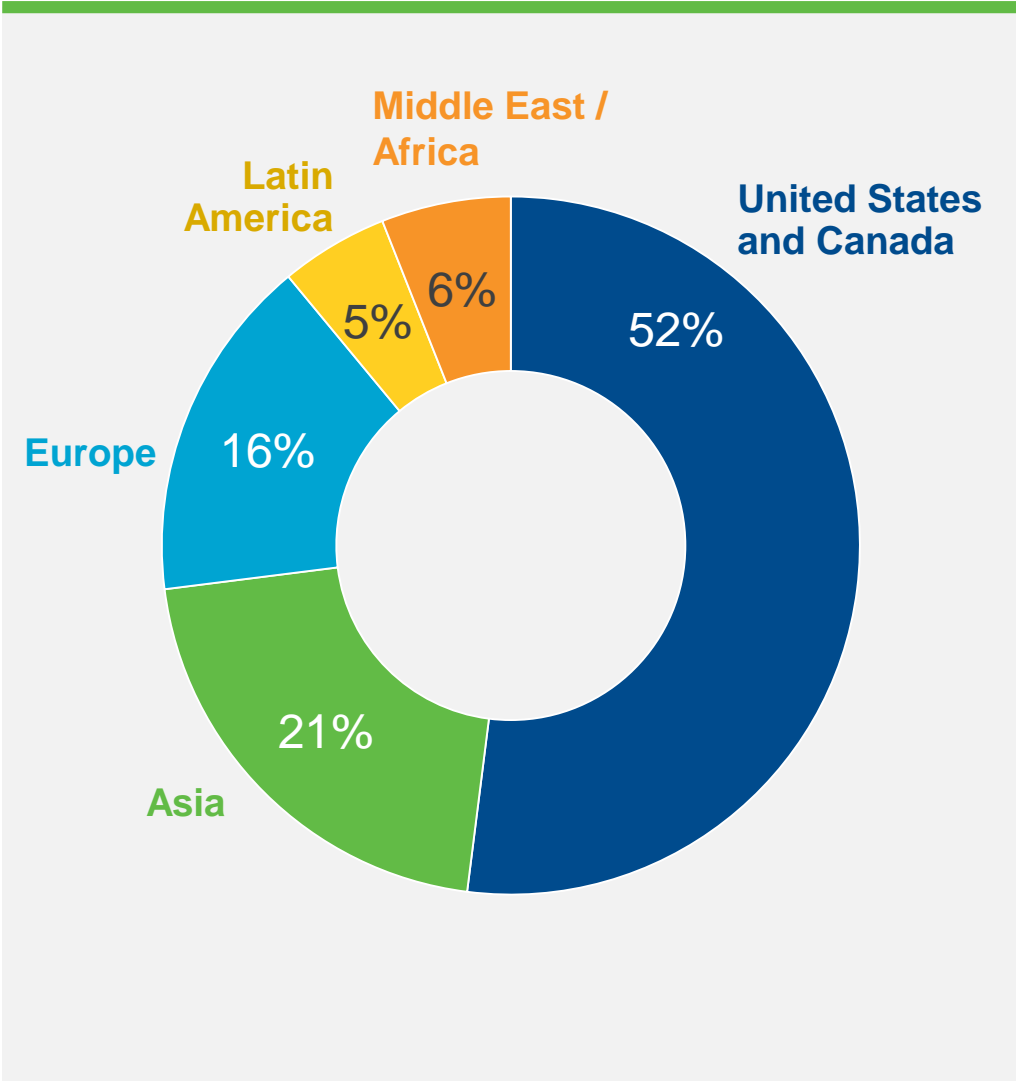
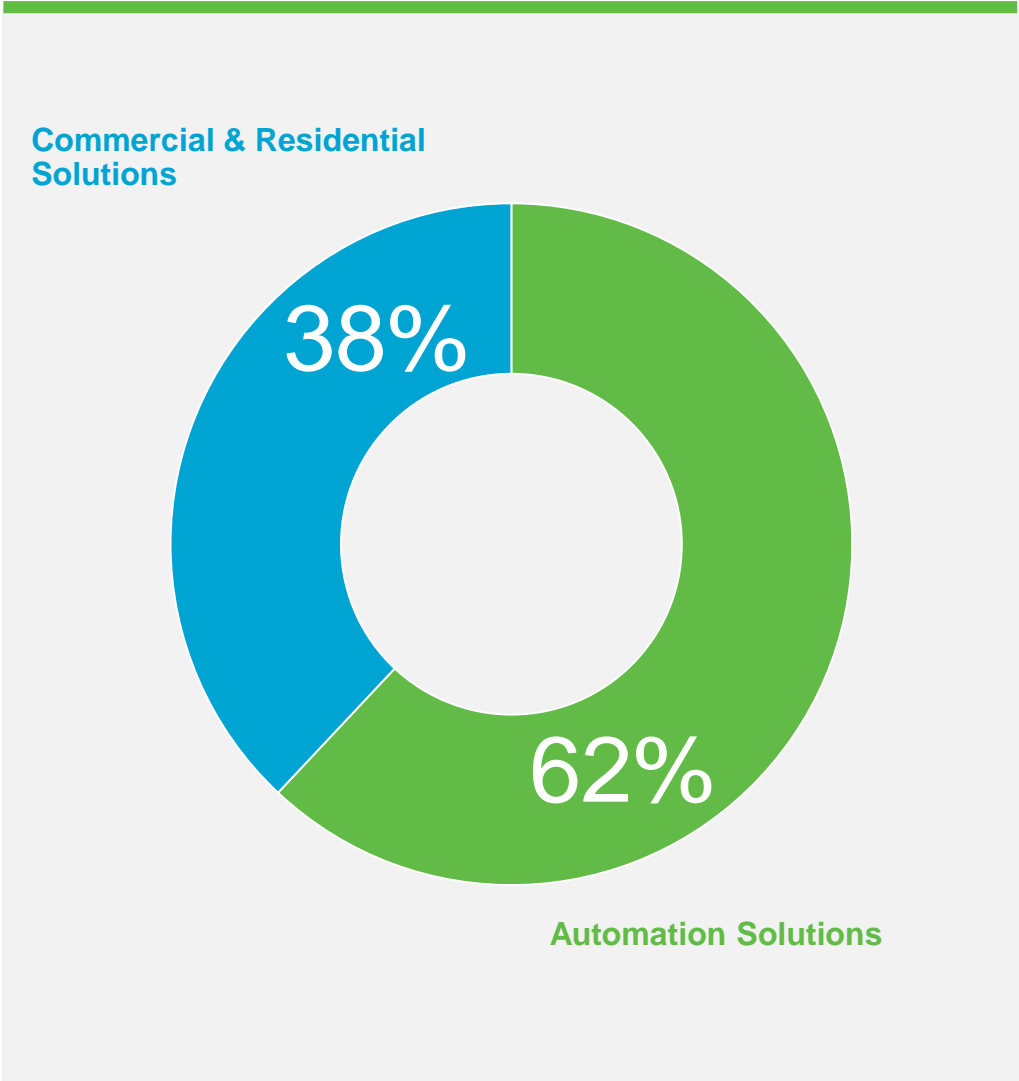


- Making the greatest use of the world's valuable resources
- Supporting responsible economic growth globally
- Enabling the performance and safety of industry when it matters most
- Advancing the industries that are the backbone of daily life



- Ensuring human comfort and health
- Protecting food quality and sustainability
- Advancing energy efficiency and environmental conservation
- Creating sustainable infrastructure
- Continuing momentum at our Helix Innovation Center

Emerson Global Sales 2017 - \$15.3 Billion





Emerson Automation Solutions

Improving Process and Industrial Manufacturing Performance with Measurable Results

Industries Served include

- Oil and Gas/Refining
- Chemical
- Power
- Food and Beverage
- Metals and Mining
- Water and Wastewater
- Life Sciences
- Automotive
- Electronics

Core Expertise & Key Brands

- Industrial Internet of Things
 - Plantweb
- Systems and Asset Management
 - DeltaV
 - Ovation
- Measurement Instrumentation
 - Rosemount
 - Micro Motion
- Solenoids and Pneumatics
 - ASCO
- Valves, Actuators and Regulators
 - Bettis
 - Crosby
 - Fisher
 - TopWorx
 - Keystone
 - KTM
 - Vanessa
 - TESCOM
- Precision Welding
 - Branson
- Electrical and Lighting
 - Appleton
- Industry Services and Solutions

Emerson Automation Solutions

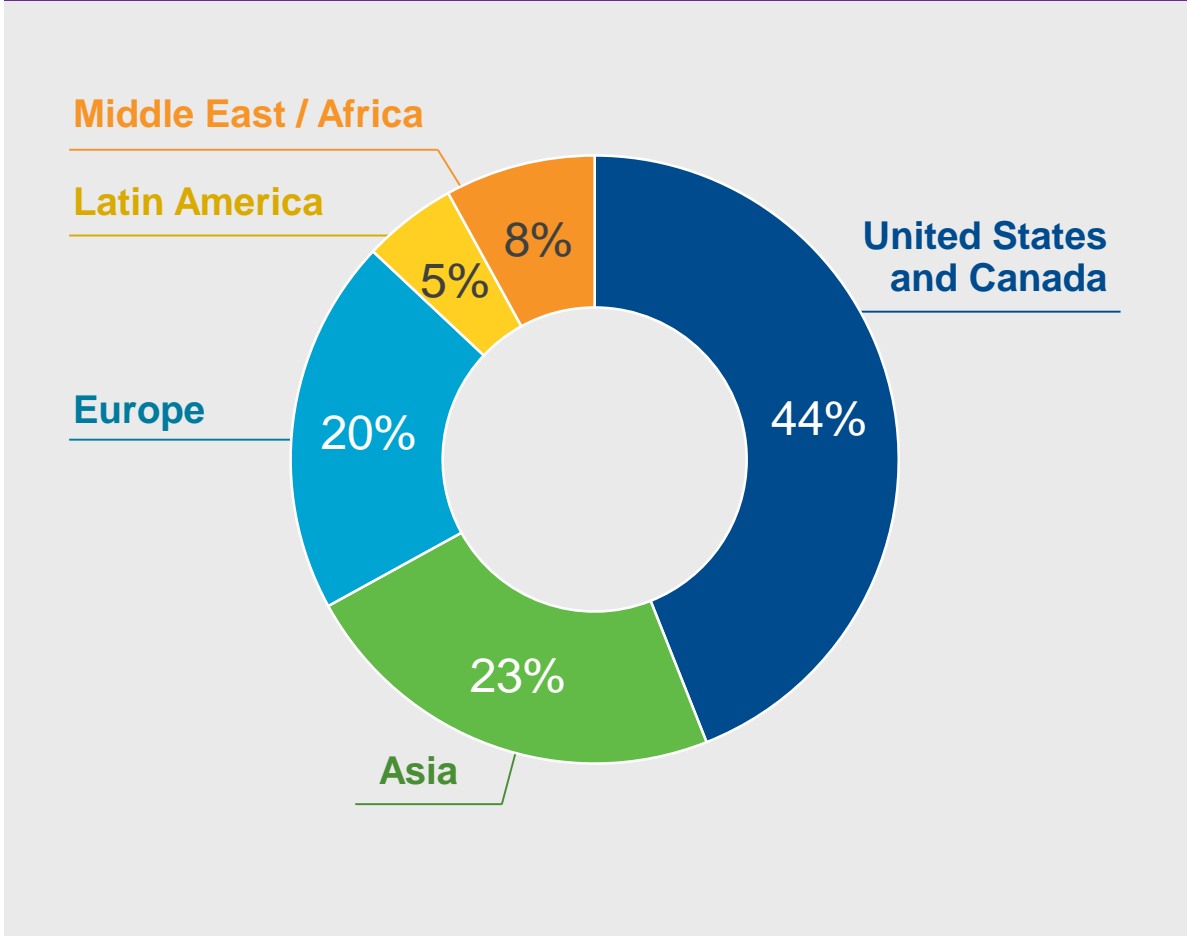
2017 At-A-Glance

Sales
\$9.4 billion

Employees
~48,500

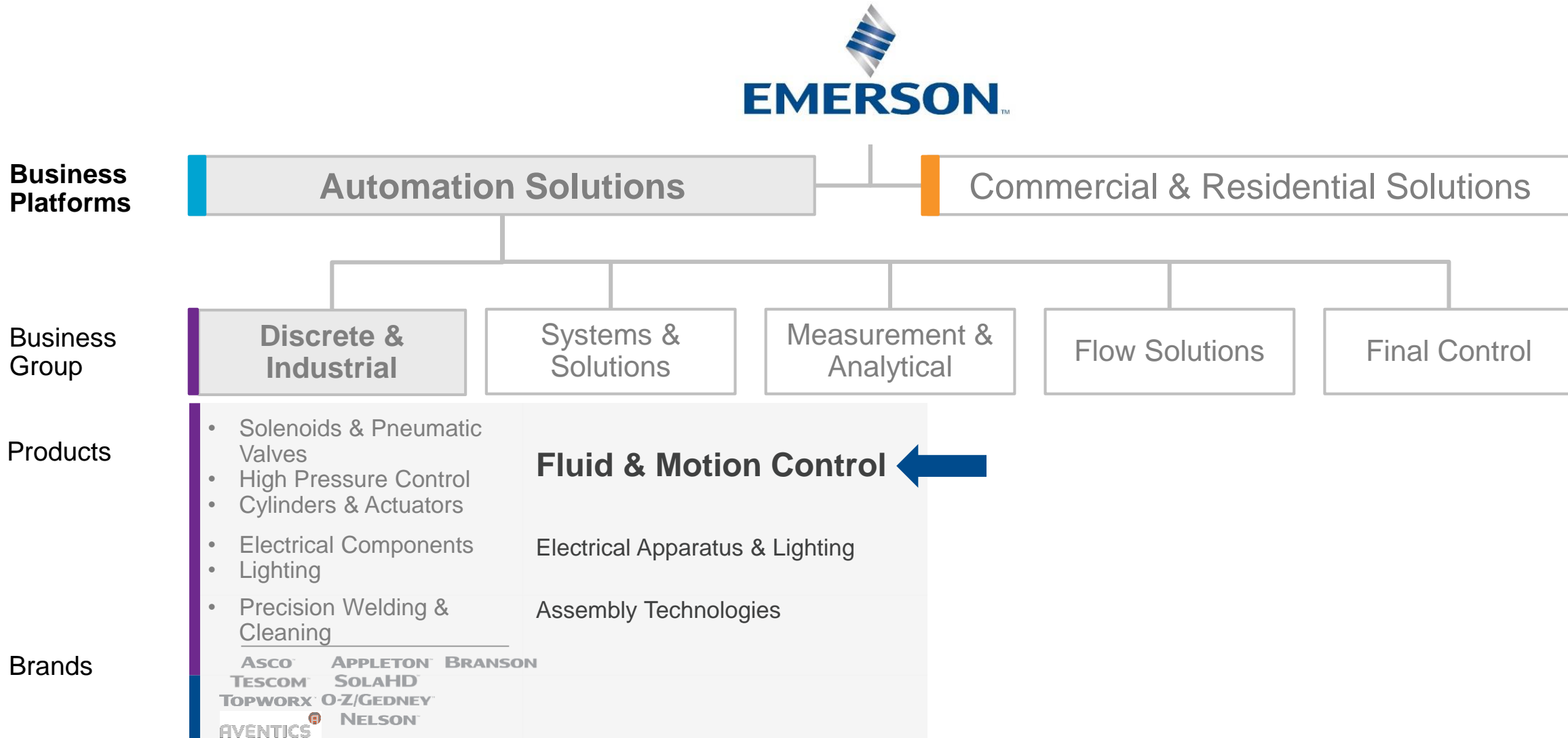
Customers include
Amgen, BASF, BP, Cargill, Dow, Duke Energy, Medtronic, Nestle, Novo Nordisk, Reliance Industries, Sasol, Saudi Aramco, Shell, Sinopec, Tesla

Sales by Geography



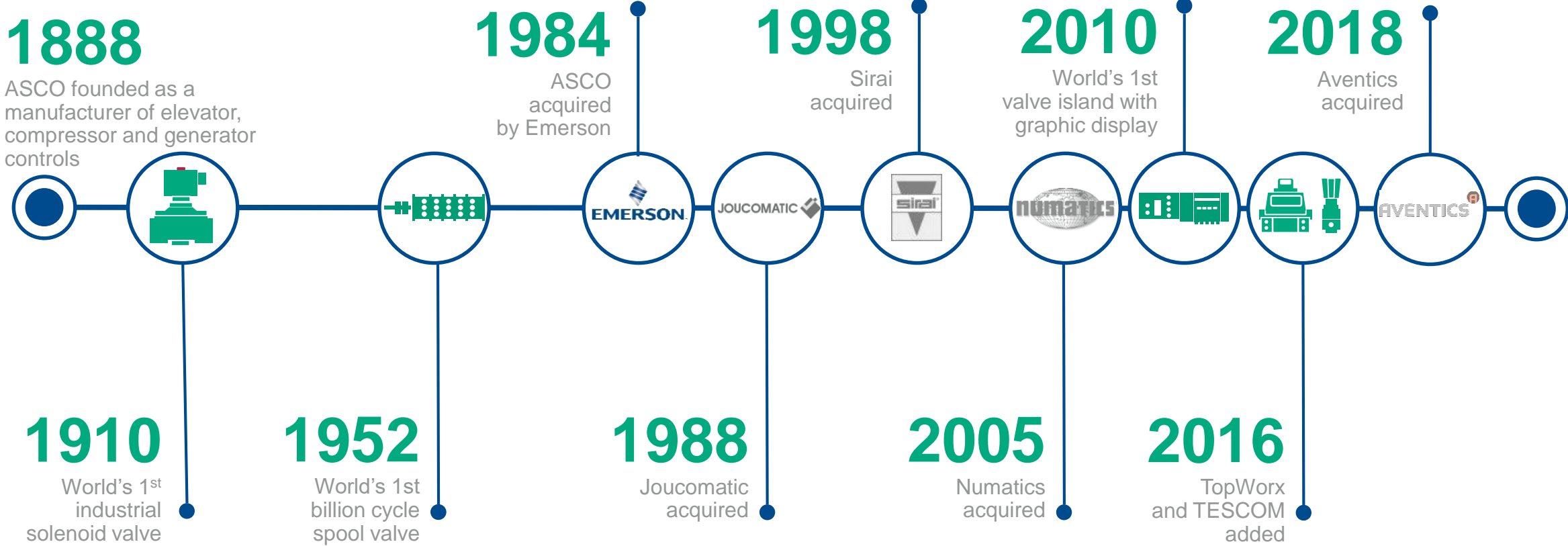
Discrete & Industrial Business Group

Emerson Alignment of our Businesses, Brands and Products



Fluid & Motion Control Business

Fluid & Motion Control Business History



A Respected Heritage of Fluid Control & Fluid Power Solutions

Geographic Footprint – Manufacturing & Service

Global Employees **5,000** Countries **45**



Our Fluid & Motion Control Portfolio

Trusted reliability and unequaled performance for the most demanding **fluid control** and **fluid power** applications in the industry



ASCO™



ASCO NUMATICS™

The **world's leading manufacturer** of solenoid & pneumatic valves, cylinders & actuators, and air preparation products that set the standard for helping customers maximize efficiencies, optimize applications, and transform ideas into measurable outcomes.



TESCOM™

Standard and custom-engineered regulators, valves, and systems for use in critical pressure control solutions for a diverse world market.



TOPWORX™

Discrete valve control and position sensing technology providing absolute assurance in the most challenging applications.

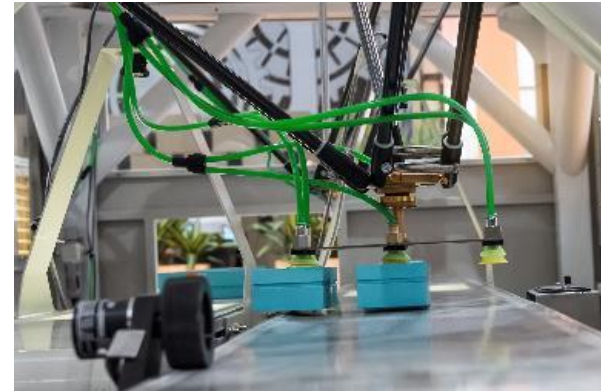
Fluid & Motion Control Product Offering



Fluid Control

Control and monitor flow of air, gas, water, oil and steam in the most critical applications

- Solenoid & Air Operated Valves
- Miniature Valves
- High Pressure & Precision Regulators
- Position Indicators



Fluid Power

Efficient, reliable motion and handling for automation and industrial applications

- Valve Islands & Directional Control
- Cylinders & Actuators
- Proportional Valves
- Air Preparation
- Machine Safety



Integrated Solutions

Connected device insights and integrated fluid automation solutions

- Fieldbus Electronics
- Proximity Sensors
- Panel Solutions
- Custom Fluidic Assemblies
- Industry 4.0

Fluid & Motion Control Served Segments & Brands

PROCESS



- Oil & Gas
- Chemicals
- Refining
- Nuclear
- Food & Beverage
- Life Science

MACHINE AUTOMATION



- Case Erectors/Packers
- PET & Glass Blowing
- Automotive Assembly
- Automotive Powertrain
- Automotive Tier I, II
- Tire Industry

INDUSTRIAL



- Industrial Machinery
- Combustion
- Dust Collector
- Infrastructure
- Aerospace & Defense
- Manufacturing & Test

MEDICAL & ANALYTICAL



- Clinical Diagnostics
- Industrial Analyzers
- Bioinstrumentation
- Ventilators
- Oxygen Therapy
- Surgical Instruments

ASCO™ ASCO NUMATICS™ TESCO™ TOPWORX™



Industrial & Commercial – Products and applications

Fuel vending



Coffee machines



Commercial
Kitchens & Laundries



Industrial boilers



Water treatment



Dust collectors



- Solenoid valves
- Pressure operated valves
- Motorised valves
- Engineered solutions
- Cylinders
- Sirai general purpose solenoid valves, pinch valves and pressure switches





Machine Automation – Products and applications

Pneumatic systems



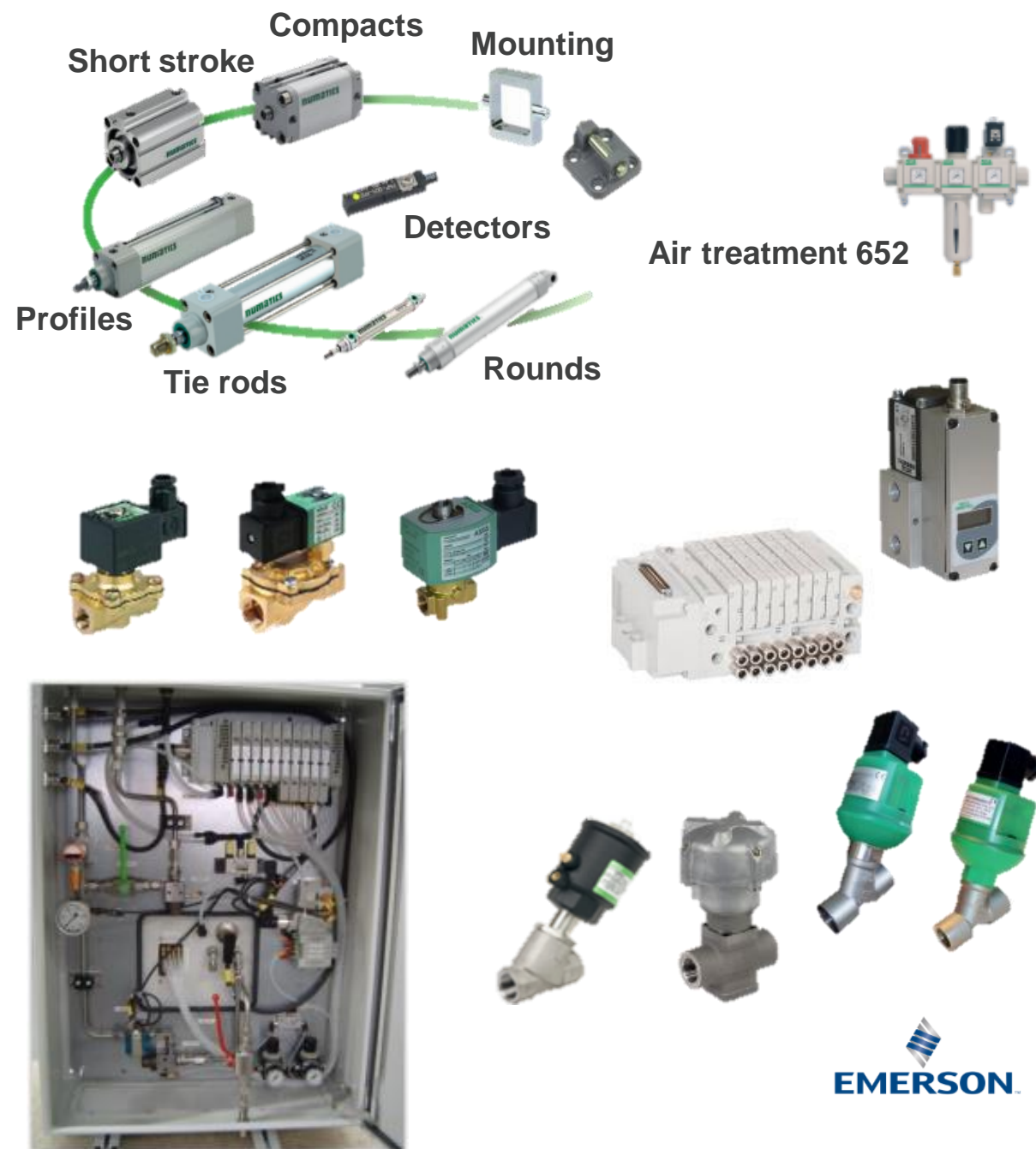
Conveying & Materials handling



Filling, injection and dosing



- Pneumatic cylinders
- Proportional control
- Valve islands
- Air treatment
- Solenoid valves
- Pressure operated valves
- Motorised valves
- Machine safety
- Fieldbus
- Cabinets and panels
- Engineered solutions





Process Automation – Products and Applications

Oil & Gas



Water & Waste water



Food & Bev



Pharma and life sciences



Power generation



Chemical



- Solenoid valves
- Pressure operated valves
- Motorised valves
- Valve islands
- Cabinets & Panels
- Filter regulators
- Actuator control systems
- Fieldbus
- Functional safety
- Engineered solutions





Analytical and Medical – Products and Applications

Analysis



Diagnostics



Dialysis



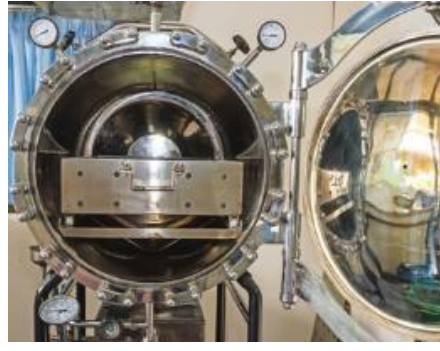
Dental



Breathing and Anaesthesia



Sterilisers



- Engineered complete fluidic solutions
- Manifold systems
- Proportional technology
- Micro Solenoid valves
- Isolated valves
- Pinch valves
- Clean room build

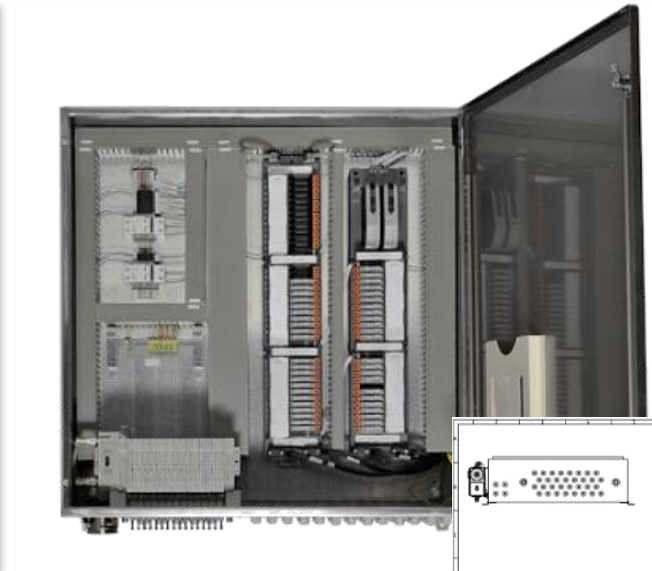


ASCO Solutions - The specialist for Plug & Play assemblies

Panel Assembled

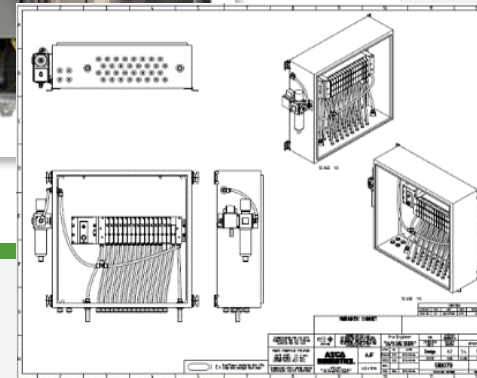


Cabinet Assembled



Designed by our experts:

- Time savings for customers
- Products are 100% tested
- Fully certified
 - ATEX certificate
 - Test certificate
 - Material certificate
 - Drawing (2D or 3D), Pneumatic system etc...

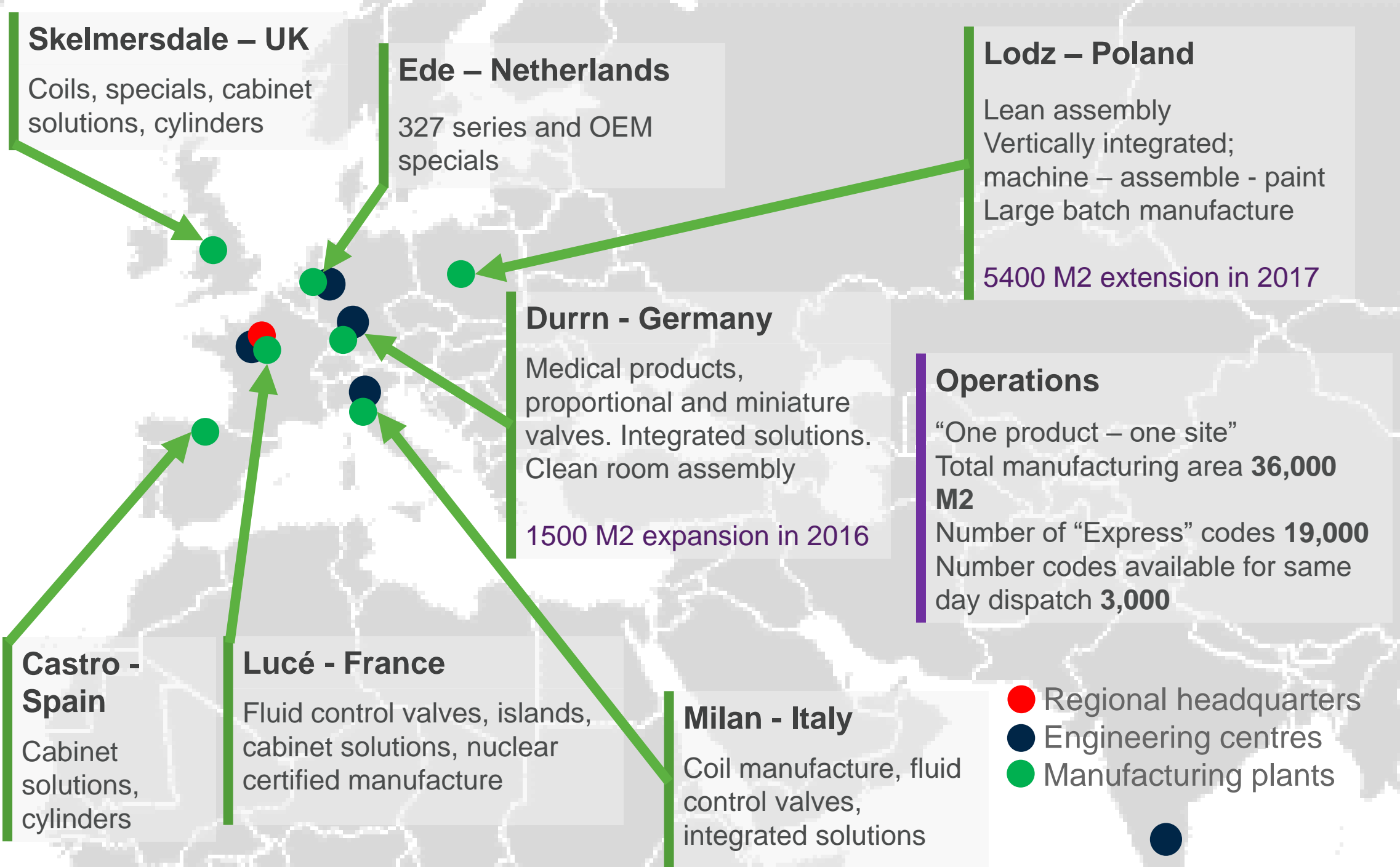


Simplified process

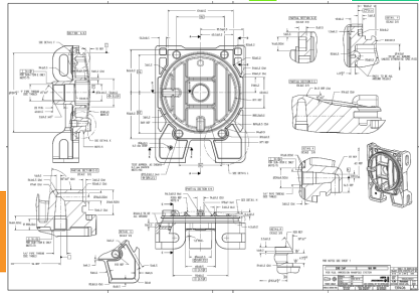
- One order, one delivery
- Simplified management, fewer departments involved
- The customer can keep their own resources mobilised for their core business



European manufacturing operations



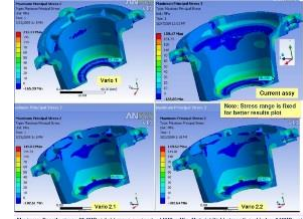
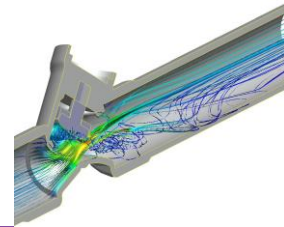
Engineering



Product development



Laboratory capabilities



Analytical capabilities

Energies and fluids

Legend



Technical content



Remember



On the web



Warning



Useful tips

The main energies used in the industry



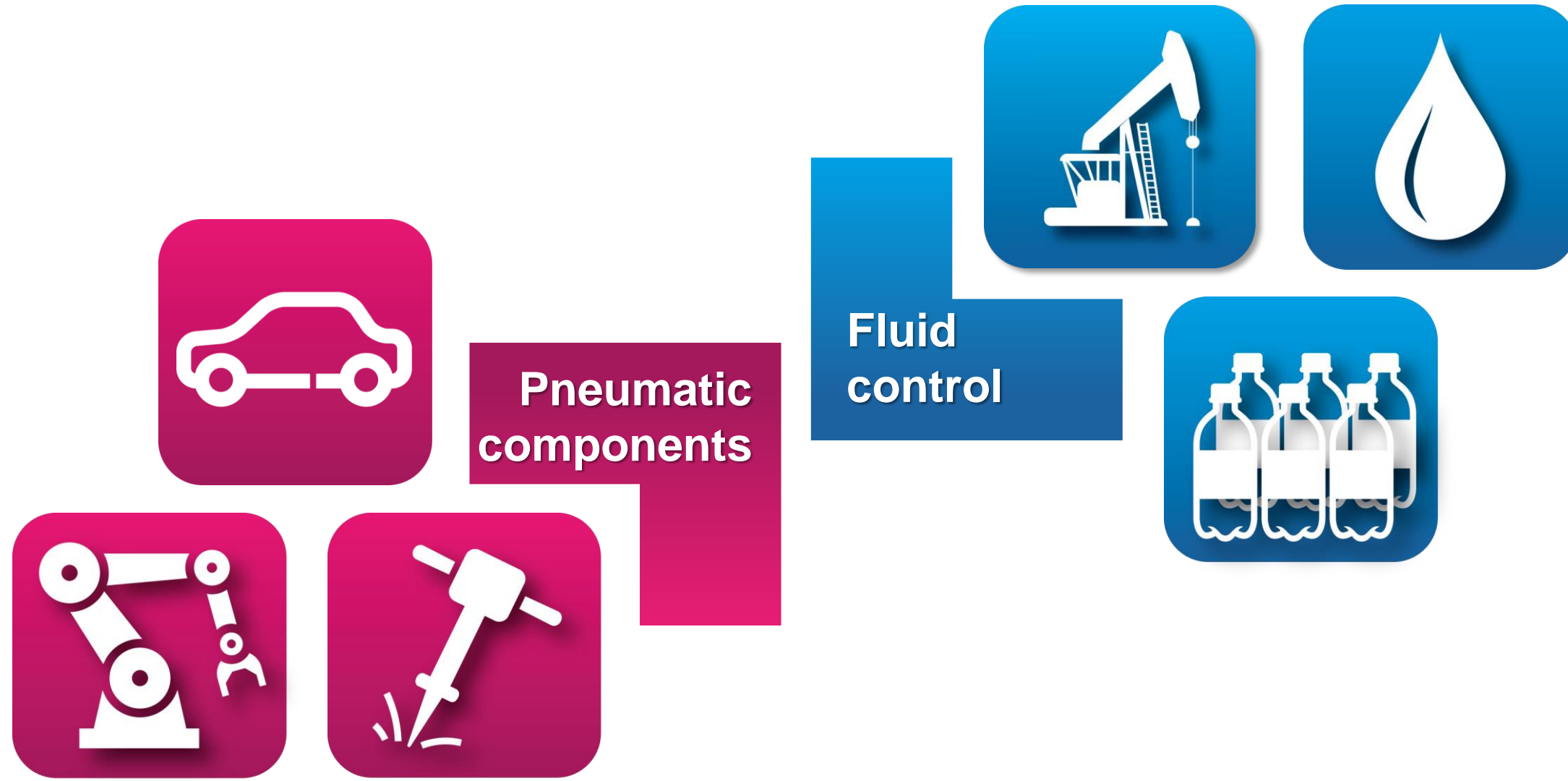
Fluids and their nature



The mains fluids transported in industry

Datasheet information

ASCO industry solutions

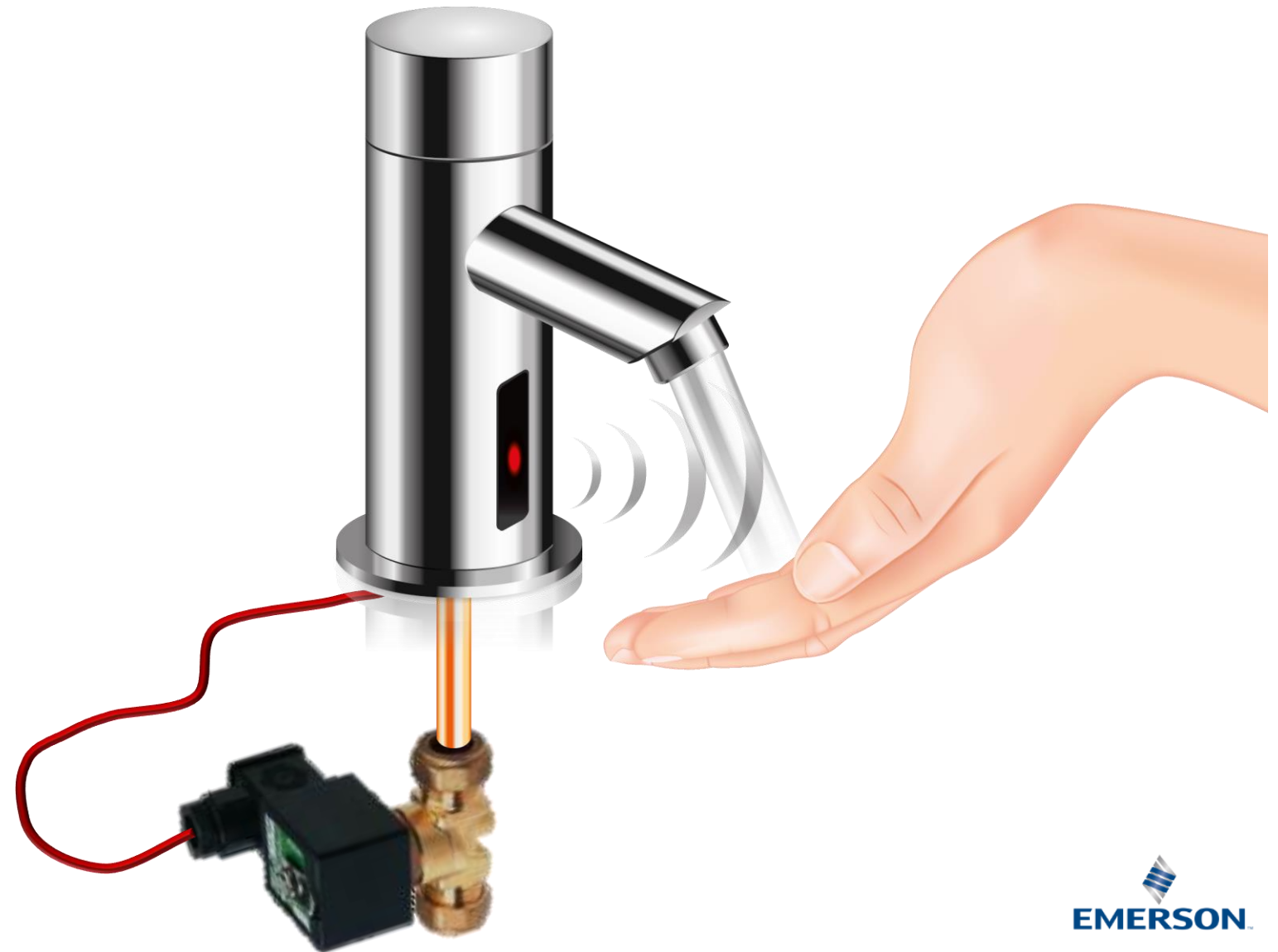


Fluid control

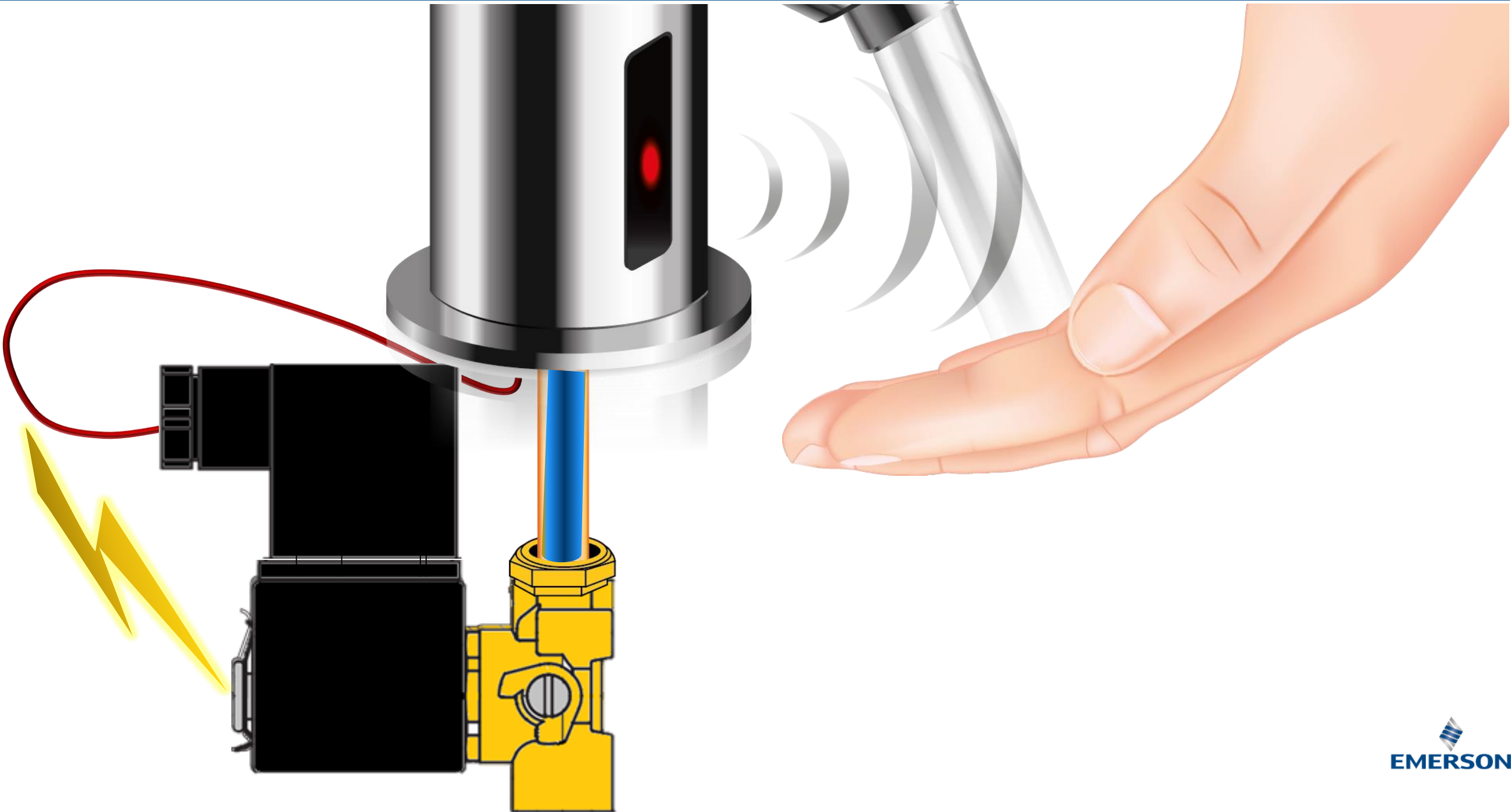
Manual tap



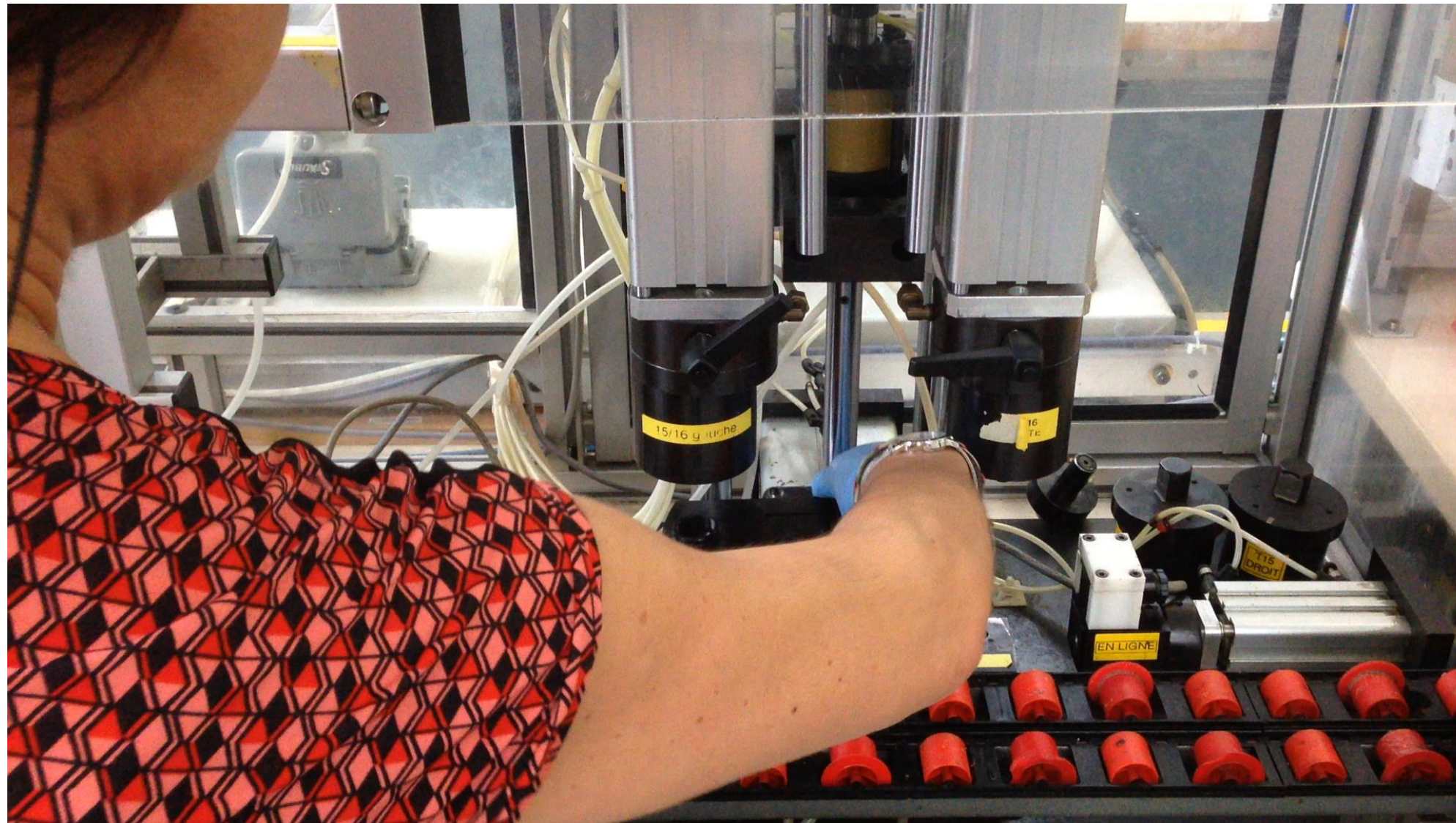
Automatic tap



Fluid control



Pneumatic components



Data sheet information meaning

ASCO SOLENOID VALVES
pilot operated
built-in pilot, floating diaphragm
3/8 to 2

2/2 Series 238

NC
NO

2/2

NC

NO

fluids (*)

temperature range (TS)

MATERIALS IN CONTACT WITH FLUID
(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body: Brass
Internal parts: Stainless steel and brass
Springs: Stainless steel
Diaphragm & valve disc: NBR
Seals and pilot disc: NBR

pipe size

orifice size

flow coefficient Kv

operating pressure differential (bar)

Ambient temperature range

Maximum viscosity

Part No.	Size	Orifice	Flow Coefficient Kv	Operating Pressure Differential (bar)
SCG238E019	1/2	45	27	450
SCG238E020	3/4	45	34	568
SCG238E021	1	45	34	568

All leaflets are available on: www.asco.com

V316-1



What does that mean?

Data sheet information meaning

ASCO™ SOLENOID VALVES
pilot operated
built-in pilot, floating diaphragm
3/8 to 2

FEATURES

- Minimum operating pressure differential ΔP 0,30,5 bar
- Two way valves for automatic control of water, air and inert gas and other gases/liquids compatible with the sealing materials used
- Interchangeability of magnetic heads, AC and DC
- The solenoid valves satisfy all relevant EU Directives

GENERAL

Differential pressure See -SPECIFICATIONS- [1 bar =100 kPa]
Ambient temperature range -10°C to +60°C
Maximum viscosity 40 cSt (mm²/s)
Response time 3/8 1/2 3/4 1 1 1/4 1 1/2 2
opening time (ms) 25 30 55 70 300 300 1500
closing time (ms) 40 90 110 200 1000 1000 2000

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas and water	-10°C to +85°C	NBR (nitrile) FPM (fluoroelastomer)

MATERIALS IN CONTACT WITH FLUID
(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass
Internal parts Stainless steel and brass
Springs Stainless steel
Diaphragm & valve disc NBR
Seals and pilot disc FPM
Shading coil Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
Connector specification
for power coil: 4 W/6,9 W
for power coil: 5,6,9W-9,9W-12,5W
Electrical safety DIN 43650, 11 mm, industry standard B
ISO 4400 / EN 175301-803, form A
IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (-): 24V - 48V
(Other voltages and 60 Hz on request) AC (-): 24V - 48V - 115V - 230V / 50 Hz

prefix option	power ratings			operator ambient temperature range (TS) (°C)	replacement coil		type (1)	
	inrush (VA)	holding (VA)	hot/cold (W)		230 V/50 Hz	24 V DC		
SC	12	6	4	5/6,9	-10 to +60	400127-197	400127-142	01 (1)
	10,4	6	5	5/6,9	-10 to +60	400727-117	400727-185	02
	23	14	8	7,5/9	-10 to +50	511239-009	511239-002	03
	28	20	12,5	7,5/9	-10 to +50	511239-014	511239-002	03

⁽¹⁾ Refer to the dimensional drawings on the following page. ⁽²⁾ UL/CSA certified.

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv	operating pressure differential (bar)		power coil (W)		catalogue number	options				
			min.	max. (PS)	-	=		-	=	with lead wire	with FPM	EPDM
G ¹ 3/8	12	2,4	40	0,3	10	10	4	6,9	SCE238D001	MO	V	E
					16	16	5	6,9	SCE238D006	MO	V	E
G ¹ 1/2	12	2,4	40	0,3	10	10	4	6,9	SCE238D002	MO	V	E
					16	16	5	6,9	SCE238D007	MO	V	E
G ¹ 3/4	15	4,2	70	0,3	10	10	4	6,9	SCE238D003	MO	V	E
					16	16	5	6,9	SCE238D008	MO	V	E
G ¹ 1	20	6,6	110	0,3	10	10	4	6,9	SCE238D004	MO	V	E
					16	16	5	6,9	SCE238D009	MO	V	E
G ¹ 1 1/4	25	9,9	165	0,3	10	10	4	6,9	SCE238D005	MO	V	E
					16	16	5	6,9	SCE238D010	MO	V	E
G ¹ 1 1/2	30	15	250	0,5	10	10	8	9	SCG238E016	MO	V	-
					10	10	8	9	SCG238E017	MO	V	-
G ²	45	27	450	0,5	10	10	8	9	SCG238E017	MO	V	-
					10	10	8	9	SCG238E018	MO	V	-
G ¹ 1/4	30	15	250	0,5	10	10	12,5	9	SCG238E019	-	V	-
					9	9	12,5	9	SCG238E020	-	V	-
G ²	45	34	566	0,5	9	9	12,5	9	SCG238E021	-	V	-
					9	9	12,5	9	SCG238E021	-	V	-

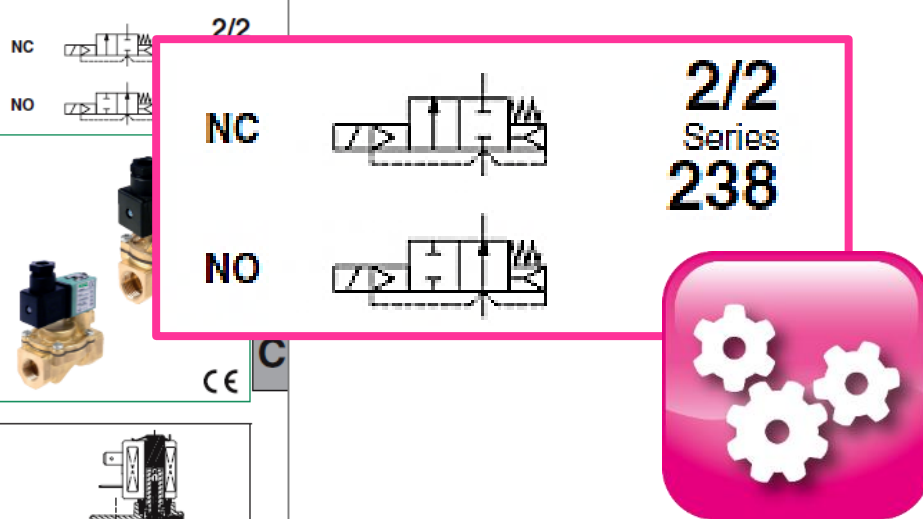
NC - Normally closed

NO - Normally open

Availability, design and specifications are subject to change without notice. All rights reserved.

All leaflets are available on: www.asco.com

V316-1



It's the series number that defines the technology and product design.

Data sheet information meaning

ASCO™ SOLENOID VALVES
pilot operated
built-in pilot, floating diaphragm
3/8 to 2

2/2 Series 238

FEATURES

- Minimum operating pressure differential ΔP 0,3/0,5 bar
- Two way valves for automatic control of water, air and inert gas and other gases/liquids compatible with the sealing materials used
- Interchangeability of magnetic heads, AC and DC
- The solenoid valves satisfy all relevant EU Directives

GENERAL

Differential pressure See -SPECIFICATIONS- [1 bar = 100 kPa]
Ambient temperature range -10°C to +60°C
Maximum viscosity 40 cSt (mm²/s)
Response time 3/8 1/2 3/4 1 1 1/4 1 1/2 2
 opening time (ms) 25 30 55 70 300 300 1500
 closing time (ms) 40 90 110 200 1000 1000 2000

fluids (*)	temperature range (TS)	seal materials (**)
air, inert gas and water	-10°C to +85°C	NBR (nitrile) FPM (fluoroelastomer)

MATERIALS IN CONTACT WITH FLUID
 (*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass
Internal parts Stainless steel and brass
Springs Stainless steel
Diaphragm & valve disc NBR
Seals and pilot disc FPM
Shading coil Copper

ELECTRICAL CHARACTERISTICS
Coil insulation class F
Connector Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
Connector specification
 for power coil: 4 W/6,9 W
 for power coil: 56,9W/99W-12,59W
Electrical safety DIN 43650, 11 mm, industry standard B
 ISO 4400 / EN 175301-803, form A
 IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (-): 24V - 48V
 AC (-): 24V - 48V - 115V - 230V / 50 Hz
 (Other voltages and 60 Hz on request)

prefix option	power ratings			operator ambient temperature range (TS) (C°)	replacement coil		type (1)	
	inrush (VA)	holding (VA)	hot/cold (W)		230 V/50 Hz	24 V DC		
SC	12	6	4	5/6,9	-10 to +60	400127-197	400127-142	01 (2)
	10,4	6	5	5/6,9	-10 to +60	400727-117	400727-185	02
	23	14	8	7,5/9	-10 to +50	511239-009	511239-002	03
	28	20	12,5	7,5/9	-10 to +50	511239-014	511239-002	03

⁽¹⁾ Refer to the dimensional drawings on the following page. ⁽²⁾ UL/CSA certified.

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv	min.	operating pressure differential (bar)		power coil (W)		catalogue number	options			
				max. (PS)	air / water (*)	-	=		-	=	with seal	with barrier
NC - Normally closed												
G* 3/8	12	2,4	40	0,3	10	10	4	6,9	SCE238D001	MO	V	E
					16	5	6,9					
G* 1/2	12	2,4	40	0,3	10	10	4	6,9	SCE238D002	MO	V	E
					16	5	6,9					
G* 3/4	15	4,2	70	0,3	10	10	4	6,9	SCE238D003	MO	V	E
					16	5	6,9					
G* 1	20	6,6	110	0,3	10	10	4	6,9	SCE238D004	MO	V	E
					16	5	6,9					
G 1 1/4	30	15	250	0,5	10	10	8	9	SCG238E016	MO	V	-
					16	5	6,9					
G 1 1/2	45	27	450	0,5	10	10	8	9	SCG238E017	MO	V	-
					16	5	6,9					
G 2	45	34	566	0,5	10	10	8	9	SCG238E018	MO	V	-
					16	5	6,9					
NO - Normally open												
G 1 1/4	30	15	250	0,5	10	10	12,5	9	SCG238E019	-	V	-
					9	9	12,5	9				
G 1 1/2	45	27	450	0,5	9	9	12,5	9	SCG238E020	-	V	-
					9	9	12,5	9				
G 2	45	34	566	0,5	9	9	12,5	9	SCG238E021	-	V	-
					9	9	12,5	9				

Availability, design and specifications are subject to change without notice. All rights reserved.

All leaflets are available on: www.asco.com

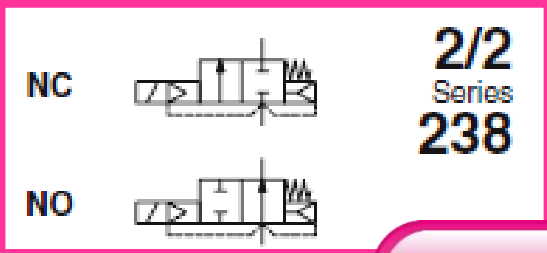
V316-1

2/2 Series 238

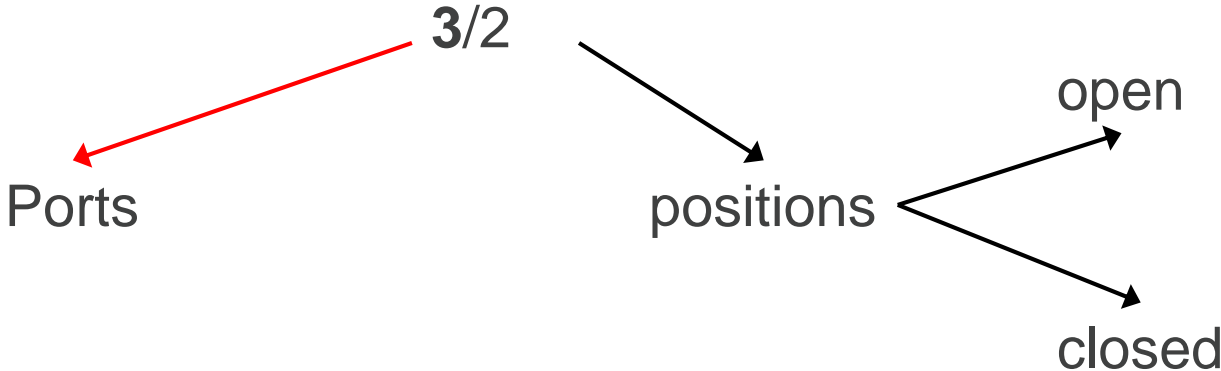
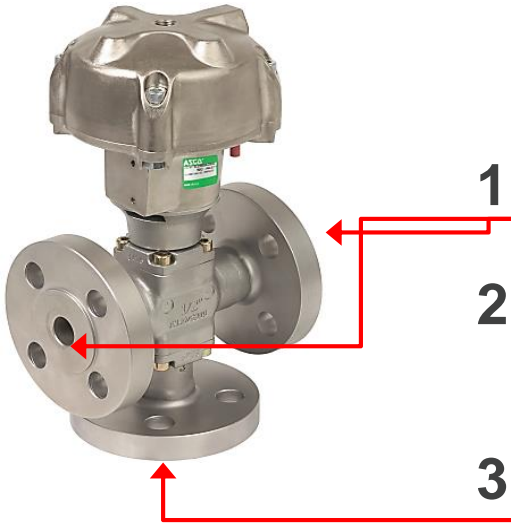
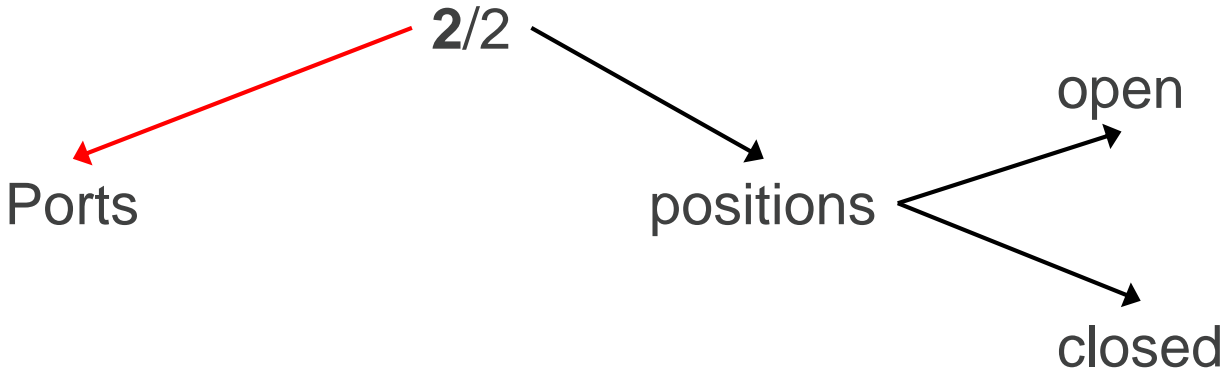
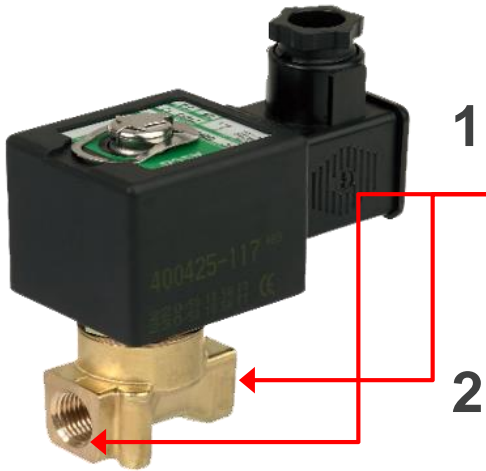


This number defines the product type and its function.

Data sheet information meaning



This number defines the product type and its function.



Data sheet information meaning

ASCO™ SOLENOID VALVES
direct operated
1/8 - 1/4

FEATURES

- Compact valve intended for single acting actuator control
- High operating speed
- Valve optimised for general 3-way piloting applications, only one spring and two moving parts
- RoHS compliance
- Valves do not require a minimum operating pressure
- Compliance with UL and CSA standards
- The solenoid valves satisfy all relevant EU directives

GENERAL

Differential pressure See «SPECIFICATIONS» [1 bar = 100 kPa]
Maximum viscosity 65 cSt (mm²/s)
Response time 5 - 25 ms

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas, water, oil	- 25°C to + 90°C	NBR (nitrile) FPM (fluoroelastomer)

GENERAL

MATERIALS IN CONTACT WITH FLUID
(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body	Brass	Stainless steel, AISI 304
Shading coil	Copper	Silver
Core tube	Stainless steel, AISI 305	
Core and plugnut	Stainless steel, AISI 430F	
Springs	Stainless steel, AISI 302	
Seals	NBR	
Disc	NBR	
Upper disc	FPM	
Core guide	POM	

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-903, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (-) : 24V - 48V
(Other voltages and 60 Hz on request) AC (-) : 24V - 48V - 115V - 230V/50 Hz

operator ambient temperature range (TS)	power ratings				replacement coil ⁽¹⁾	
	inrush	holding		hot/cold	~	=
(°C)	(VA)	(VA)	(W)	(W)	230 V/50 Hz	24 V DC
-25 to +55	50	25	10,1	8,5/11,6	2386T3-059	2387T3-006

⁽¹⁾ All 238 basic numbers are UL & CSA approved and marked with the UR (recognised component) & CSA logos.

OPTIONS

Seals and disc (*) FPM (fluoroelastomer):
(fluid temperature range) ⁽²⁾ -15°C to +120°C (AC)
-15°C to +90°C (DC)

Oxygen service, FPM disc and seals, see *15-DIGIT PRODUCT CODE*

Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

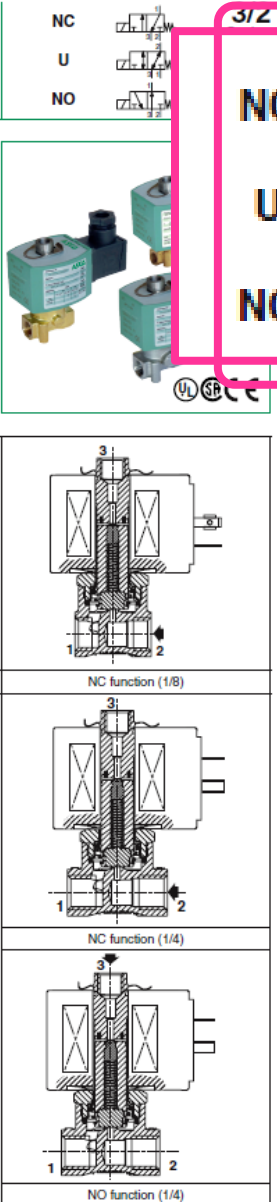
Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 2014/34/EU (See page 3)

(*) Vérifier la compatibilité du fluide avec les matériaux en contact.
⁽²⁾ The minimum ambient temperature of the solenoid valve is determined by the limitations of minimum temperature indicated.

NC U NO

3/2

3/2 Series 314



UL SP CE

NC function (1/8)

NC function (1/4)

NO function (1/4)

All leaflets are available on: www.asco.com

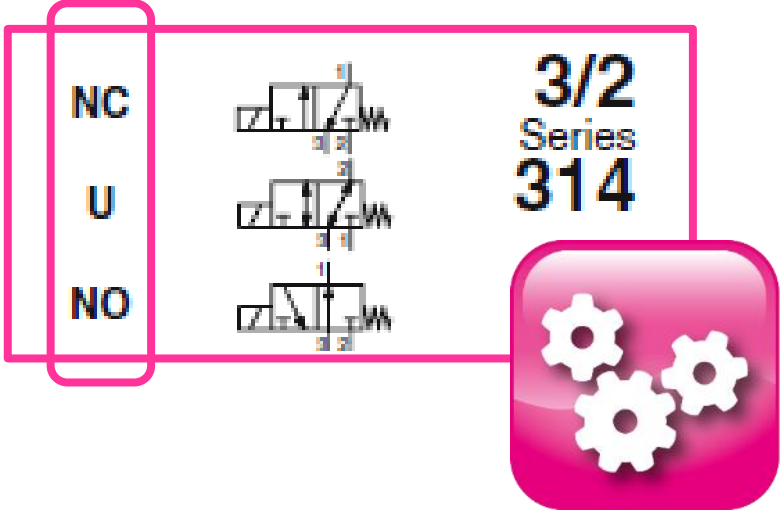
Solenoid valves (3/2) - 5



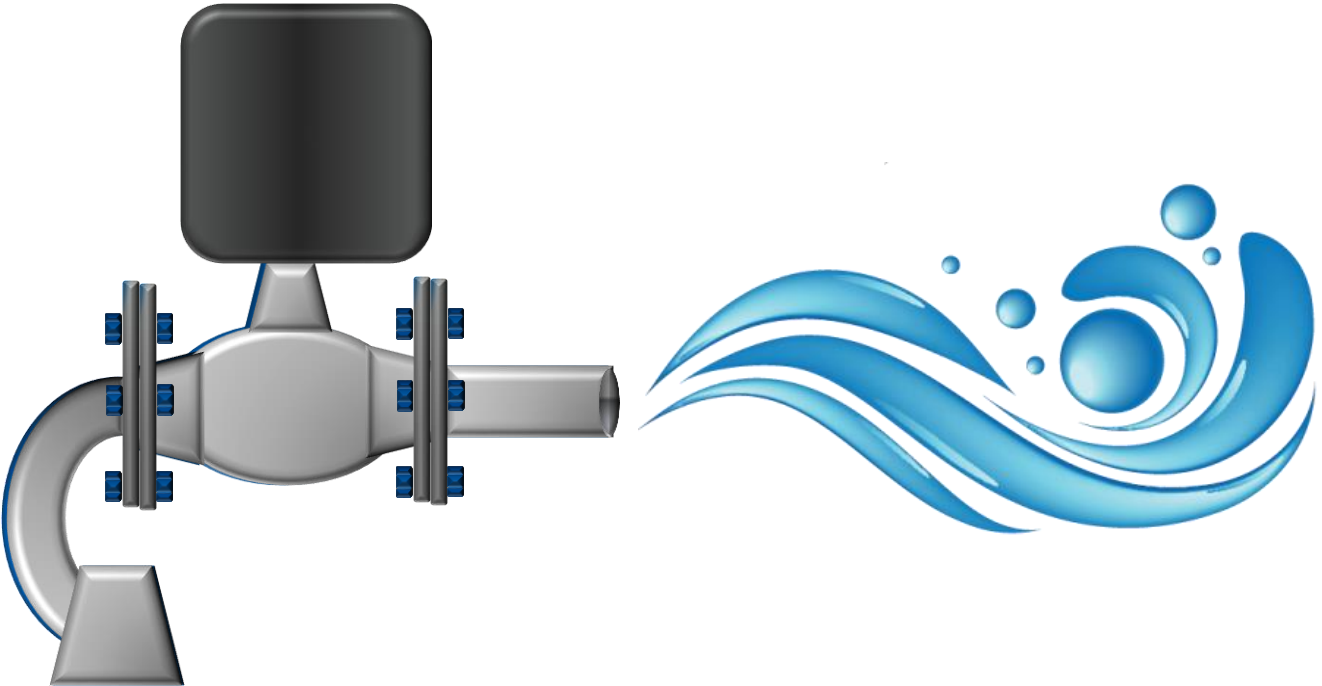
This number defines the products function.

Data sheet information meaning

Normally Closed NC

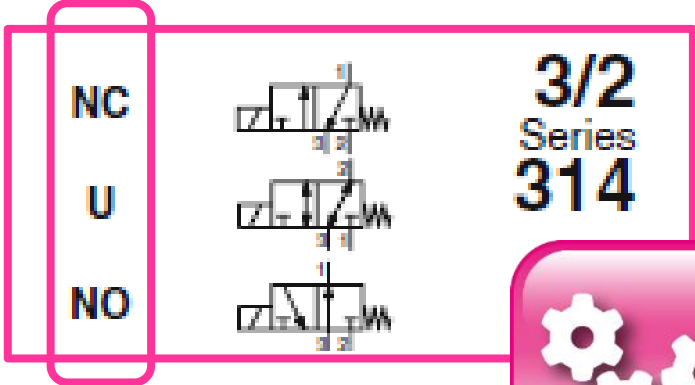


To open, you have to energise the coil.

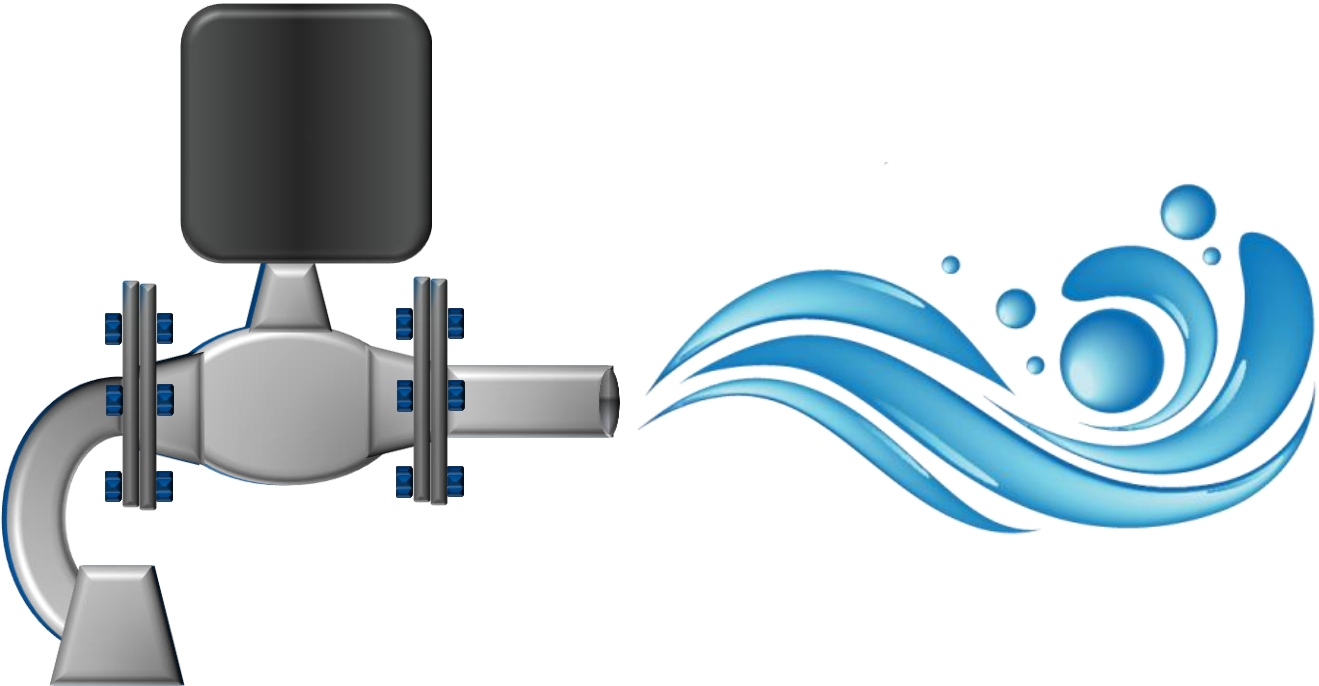


Data sheet information meaning

Normally Open
NO

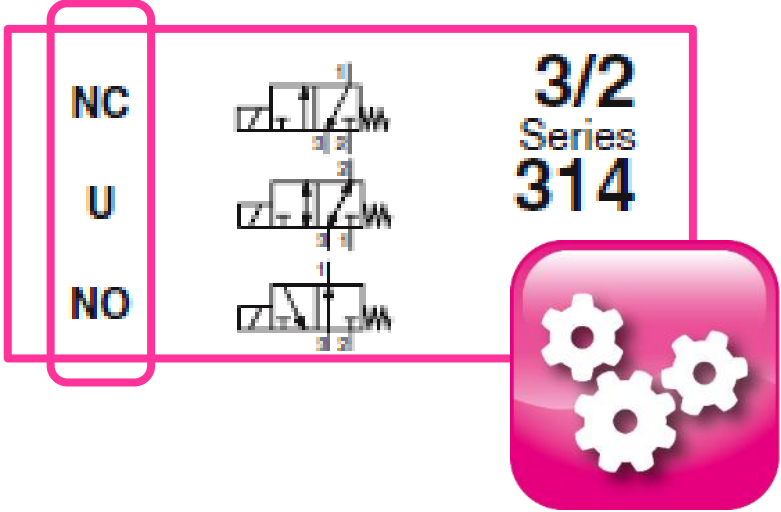


To close, you have to energise the coil

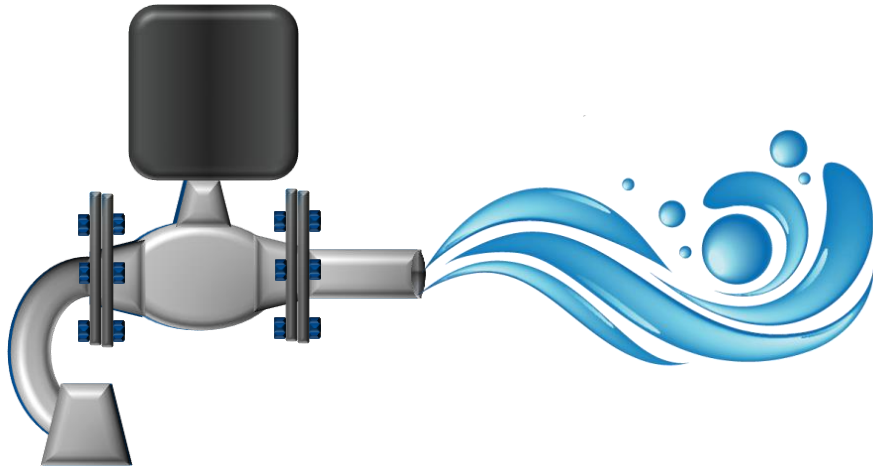
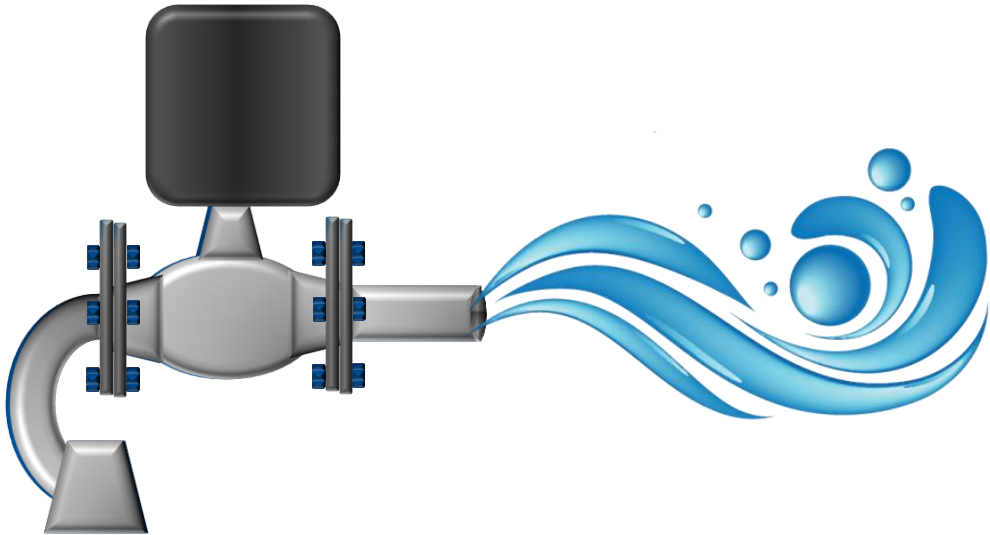


Data sheet information meaning

Universal U



By construction it can be NC or NO.



Data sheet information meaning

ASCO™ SOLENOID VALVES
pilot operated
built-in pilot, floating diaphragm
3/8 to 2

2/2 Series 238

FEATURES

- Minimum operating pressure differential ΔP 0,30,5 bar
- Two way valves for automatic control of water, air and inert gas and other gases/liquids compatible with the sealing materials used
- Interchangeability of magnetic heads, AC and DC
- The solenoid valves satisfy all relevant EU Directives

GENERAL

Differential pressure See -SPECIFICATIONS- [1 bar =100 kPa]
Ambient temperature range -10°C to +85°C
Maximum viscosity 40 cSt (mm²/s)
Response time 3/8 1/2 3/4 1 1 1/4 1 1/2 2
opening time (ms) 25 30 55 70 300 300 1500
closing time (ms) 40 90 110 200 1000 1000 2000

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas and water	-10°C to +85°C	NBR (nitrile) FPM (fluoroelastomer)

MATERIALS IN CONTACT WITH FLUID
(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass
Internal parts Stainless steel and brass
Springs Stainless steel
Diaphragm & valve disc NBR
Seals and pilot disc FPM
Shading coil Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
Connector specification
for power coil: 4 W/6,9 W
for power coil: 5,6,9W-9,9W-12,5W
DIN 43650, 11 mm, industry standard B
ISO 4400 / EN 175301-803, form A
IEC 335
Electrical safety Moulded IP65 (EN 60529)
DC (-): 24V - 48V
AC (-): 24V - 48V - 115V - 230V / 50 Hz

prefix option	power ratings			operator ambient temperature range (TS) [°C]	replacement coil		type (1)	
	inrush (VA)	holding (VA)	hot/cold (W)		230 V/50 Hz	24 V DC		
SC	12	6	4	5/6,9	-10 to +60	400127-197	400127-142	01 (1)
	10,4	6	5	5/6,9	-10 to +60	400727-117	400727-185	02
	23	14	8	7,5/9	-10 to +50	511239-009	511239-002	03
	28	20	12,5	7,5/9	-10 to +50	511239-014	511239-002	03

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv	operating pressure differential (bar)		power coil (W)		catalogue number	options				
			min.	max. (PS)	-	=		-	=	with lead	with order	FPM
G* 3/8	12	2,4	40	0,3	10	10	4	6,9	SCE238D001	MO	V	E
					16	16	5	6,9	SCE238D006	MO	V	E
					10	10	4	6,9	SCE238D002	MO	V	E
					16	16	5	6,9	SCE238D007	MO	V	E
G* 1/2	15	4,2	70	0,3	10	10	4	6,9	SCE238D003	MO	V	E
					16	16	5	6,9	SCE238D008	MO	V	E
					10	10	4	6,9	SCE238D004	MO	V	E
					16	16	5	6,9	SCE238D009	MO	V	E
G* 3/4	20	6,6	110	0,3	10	10	4	6,9	SCE238D005	MO	V	E
					16	16	5	6,9	SCE238D010	MO	V	E
					10	10	8	9	SCG238E016	MO	V	-
					10	10	8	9	SCG238E017	MO	V	-
G 1 1/4	30	15	250	0,5	10	10	8	9	SCG238E018	MO	V	-
					10	10	8	9	SCG238E018	MO	V	-
					10	10	12,5	9	SCG238E019	-	V	-
					10	10	12,5	9	SCG238E020	-	V	-
G 1 1/2	45	27	450	0,5	10	10	8	9	SCG238E021	-	V	-
					10	10	8	9	SCG238E021	-	V	-
G 2	45	34	566	0,5	10	10	8	9	SCG238E021	-	V	-
					10	10	8	9	SCG238E021	-	V	-

NC - Normally closed

NO - Normally open

Availability, design and specifications are subject to change without notice. All rights reserved.

All leaflets are available on: www.asco.com

V316-1

Ambient temperature range



A product can only be used within its ambient temperature range



Ambient temperature is the temperature of the surrounding air

Data sheet information meaning

Ambient temperature range



**You must choose the solenoid valve that will work
in these different situations**

Data sheet information meaning

ASCO™ SOLENOID VALVES
pilot operated
built-in pilot, floating diaphragm
3/8 to 2

2/2 Series 238

FEATURES

- Minimum operating pressure differential ΔP 0,3/0,5 bar
- Two way valves for automatic control of water, air and inert gas and other gases/liquids compatible with the sealing materials used
- Interchangeability of magnetic heads, AC and DC
- The solenoid valves satisfy all relevant EU Directives

GENERAL

Differential pressure See -SPECIFICATIONS- [1 bar =100 kPa]
Ambient temperature range -10°C to +60°C
Maximum viscosity 40 cSt (mm²/s)
Response time 3/8 1/2 3/4 1 1 1/4 1 1/2 2
opening time (ms) 25 30 55 70 300 300 1500
closing time (ms) 40 90 110 200 1000 1000 2000

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas and water	-10°C to +85°C	NBR (nitrile) FPM (fluoroelastomer)

MATERIALS IN CONTACT WITH FLUID
(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass
Internal parts Stainless steel and brass
Springs Stainless steel
Diaphragm & valve disc NBR
Seals and pilot disc FPM
Shading coil Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
Connector specification for power coil: 4 W/6,9 W for power coil: 5/6,9W-9/9W-12,5/9W
for power coil: 5/6,9W-9/9W-12,5/9W
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (-): 24V - 48V
(Other voltages and 60 Hz on request) AC (-): 24V - 48V - 115V - 230V / 50 Hz

prefix option	power ratings			operator ambient temperature range (TS) (°C)	replacement coil		type (1)	
	inrush (VA)	holding (VA)	hot/cold (W)		230 V/50 Hz	24 V DC		
SC	12	6	4	5/6,9	-10 to +60	400127-197	400127-142	01 (1)
	10,4	6	5	5/6,9	-10 to +60	400727-117	400727-185	02
	23	14	8	7,5/9	-10 to +50	511239-009	511239-002	03
	28	20	12,5	7,5/9	-10 to +50	511239-014	511239-002	03

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv	operating pressure differential (bar)		power coil (W)		catalogue number	options				
			min.	max. (PS)	-	=		-	=	with lead wire	with FPM	EPDM
G* 3/8	12	2,4	40	0,3	10	10	4	6,9	SCE238D001	MO	V	E
					16	16	5	6,9	SCE238D006	MO	V	E
G* 1/2	12	2,4	40	0,3	10	10	4	6,9	SCE238D002	MO	V	E
					16	16	5	6,9	SCE238D007	MO	V	E
G* 3/4	15	4,2	70	0,3	10	10	4	6,9	SCE238D003	MO	V	E
					16	16	5	6,9	SCE238D008	MO	V	E
G* 1	20	6,6	110	0,3	10	10	4	6,9	SCE238D004	MO	V	E
					16	16	5	6,9	SCE238D009	MO	V	E
G 1 1/4	25	9,9	165	0,3	10	10	4	6,9	SCE238D005	MO	V	E
					16	16	5	6,9	SCE238D010	MO	V	E
G 1 1/2	30	15	250	0,5	10	10	8	9	SCG238E016	MO	V	-
					10	10	8	9	SCG238E017	MO	V	-
G 2	45	27	450	0,5	10	10	8	9	SCG238E017	MO	V	-
					10	10	8	9	SCG238E018	MO	V	-
G 1 1/4	30	15	250	0,5	10	10	12,5	9	SCG238E019	-	V	-
					9	9	12,5	9	SCG238E020	-	V	-
G 2	45	34	566	0,5	9	9	12,5	9	SCG238E021	-	V	-
					9	9	12,5	9	SCG238E021	-	V	-

NC - Normally closed

NO - Normally open

Availability, design and specifications are subject to change without notice. All rights reserved.

All leaflets are available on: www.asco.com

V316-1

Maximum viscosity



Valves should be selected based on the viscosity of the fluid that is passing through it

It's the resistance of flow



Hight Viscosity, hard flow rate.






Low viscosity, easy flow rate.



Viscosity decreases with heat


Data sheet information meaning

ASCO™ SOLENOID VALVES
direct operated
1/8 - 1/4

NC  3/2 Series 314
U 
NO 

FEATURES

- Compact valve intended for single acting actuator control
- High operating speed
- Valve optimised for general 3-way piloting applications, only one spring and two moving parts
- Del IS compliance



fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas, water, oil	- 25°C to + 90°C	NBR (nitrile) FPM (fluoroelastomer)



The components of the product have to be compatible with the fluid

GENERAL

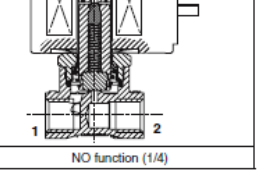
MATERIALS IN CONTACT WITH FLUID		
(*) Ensure that the compatibility of the fluids in contact with the materials is verified		
Body	Brass	Stainless steel, AISI 304
Shading coil	Copper	Silver
Core tube	Stainless steel, AISI 305	
Core and plugnut	Stainless steel, AISI 430F	
Springs	Stainless steel, AISI 302	
Seals	NBR	
Disc	NBR	
Upper disc	FPM	
Core guide	POM	

Oxygen service, FPM disc and seals, see *15-DIGIT PRODUCT CODE*

Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 2014/34/EU (See page 3)

(*) Vérifier la compatibilité du fluide avec les matériaux en contact.
(b) The minimum ambient temperature of the solenoid valve is determined by the limitations of minimum temperature indicated.



NO function (1/4)

All leaflets are available on: www.asco.com

Solenoid valves (3/2) - 5

Data sheet information meaning

The choice of material is classified by how aggressive the fluids are

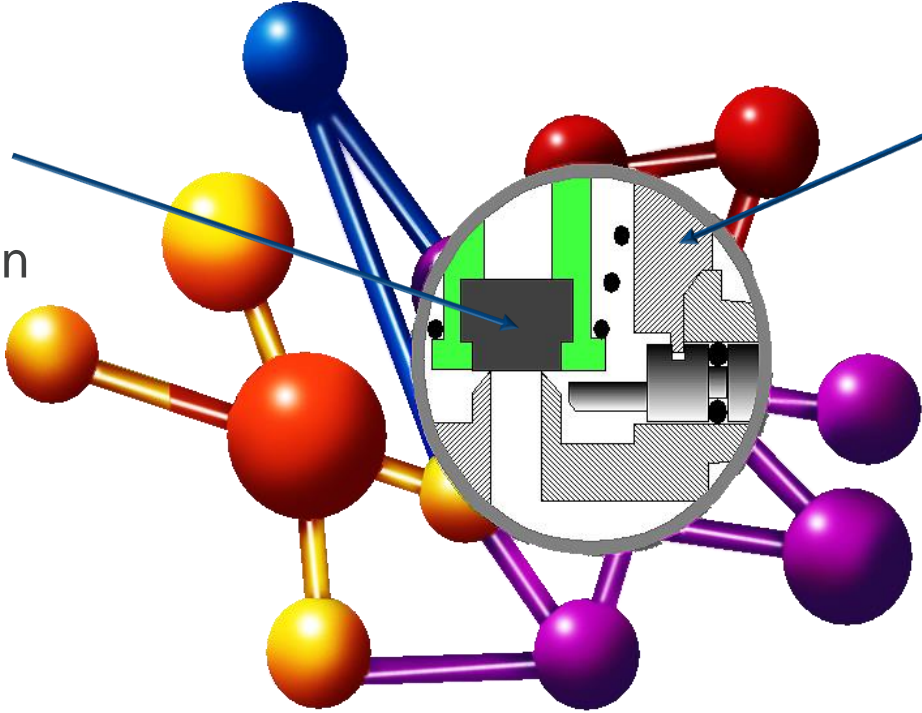
fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas, water, oil	- 25°C to + 90°C	NBR (nitrile) FPM (fluoroelastomer)

GENERAL		
MATERIALS IN CONTACT WITH FLUID		
(*) Ensure that the compatibility of the fluids in contact with the materials is verified		
Body	Brass	Stainless steel, AISI 304
Shading coil	Copper	Silver
Core tube	Stainless steel, AISI 305	
Core and plugnut	Stainless steel, AISI 430F	
Springs	Stainless steel, AISI 302	
Seals	NBR	
Disc	NBR	
Upper disc	FPM	
Core guide	POM	



Disc

- Nitrile
- EPDM
- FPM Viton
- PTFE
- ...



Body

- Steel
- Stainless
- Brass
- Aluminium
- ...

Table of chemical resistance guide

Pages V011-1 to V011-4

fluids	body materials												other materials in contact with fluid										
	steel	stainless steel AISI 3030M	stainless steel AISI 316	stainless steel AISI 316L	aluminium	bronze	cast iron	brass	PA	PEEK	PPS	Silver	Copper	CR	EPDM	FPM	FPM	NBR	UR	PET	POM	PTFE	TPE
Acetaldehyde	↘	↑	↑	↑	↘	↑	↑	↘	↘	↑	↑	↘	↘	↑	↑	↑	↑	↘	↘	↑	↑	↑	↑
Acetic acid	↘	↑	↑	↑	↘	↘	↘	↘	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Acetic anhydride	↘	↑	↑	↑	↘	↘	↘	↘	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Acetone	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Acetonitrile	↘	↑	↑	↑	↑	-	-	-	-	↑	-	-	-	↑	↑	↑	↑	↑	↑	↑	-	↑	↑
Acetophenone	-	↑	↑	↑	↘	↑	↑	↑	-	↑	-	-	-	↑	↑	↑	↑	↑	↑	↑	-	↑	-
Acetyl chloride	↑	↑	↑	↑	↑	↑	↑	↑	-	↑	-	-	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Acetylene	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Air (lubricated)	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	-	-	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Air (unlubricated, dry)	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	-	-	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Alcohol ethyl (ethanol)	↑	↑	↑	↑	↘	↑	↑	↑	-	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Alcohol methyl (methanol)	↑	↑	↑	↑	↘	↑	↑	↑	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Aluminium sulfate	↘	↑	↑	↑	↑	↘	↘	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Ammonia, anhydrous	↑	↑	↑	↑	↘	↘	↘	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Ammonia, aqueous	↑	↑	↑	↑	↘	↘	↘	↘	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	-
Ammonia, water	↑	↑	↑	↑	↘	↘	↘	↘	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	-
Ammonium hydroxyde	↘	↑	↑	↑	↘	↘	↘	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Amyl acetate	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Aniline	↘	↑	↑	↑	↘	↘	↘	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Argon	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	-	-	↑	↑
Barium chloride	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Barium hydroxide	↘	↑	↑	↑	↑	↑	↑	↑	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Benzaldehyde	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Benzene pure	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Benzene sulfonic acid	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Borax	↘	↑	↑	↑	↘	↑	↑	↑	↑	↑	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Bromine	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

Butadiene	↑	↑	↑	↑	↑	↑	↑	↑	↘	-	↑	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Butane	↘	↑	↑	↑	↘	↘	↘	↑	↑	↑	↑	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Butanol (aqueous butyl alcohol)	↑	↑	↑	↑	↘	↑	↑	↑	↑	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Butyl acetate	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Butylamine	↑	↑	↑	↑	↑	↑	↑	↑	-	↑	-	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Butyl ether	↑	↑	↑	↑	↑	-	↑	-	↑	↑	-	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Calcium chloride	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Calcium sulfate	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Carbon dioxide (wet/dry)	↑	↑	↑	↑	↑	↑	↑	↑	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Carbon tetrachloride	↑	↘	↘	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Caustic soda	↘	↑	↑	↑	↑	↑	↑	↑	↑	↑	-	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Cellosolve	↑	↑	↑	↑	↑	-	↑	↑	-	↑	-	-	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

Please note that the chemical resistance may be influenced by many factors, such as temperature, concentration, etc.
This data is for information only.

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas, water, oil	- 25°C to + 90°C	NBR (nitrile) FPM (fluoroelastomer)

GENERAL

MATERIALS IN CONTACT WITH FLUID		
(*) Ensure that the compatibility of the fluids in contact with the materials is verified		
Body	Brass	Stainless steel, AISI 304
Shading coil	Copper	Silver
Core tube	Stainless steel, AISI 305	
Core and plugnut	Stainless steel, AISI 430F	
Springs	Stainless steel, AISI 302	
Seals	NBR	
Disc	NBR	
Upper disc	FPM	
Core guide	POM	



Data sheet information meaning

ASCO™ SOLENOID VALVES
pilot operated
built-in pilot, floating diaphragm
3/8 to 2

2/2 Series 238

FEATURES

- Minimum operating pressure differential ΔP 0,30,5 bar
- Two way valves for automatic control of water, air and inert gas and other gases/liquids compatible with the sealing materials used
- Interchangeability of magnetic heads, AC and DC
- The solenoid valves satisfy all relevant EU Directives

GENERAL

Differential pressure See -SPECIFICATIONS- [1 bar =100 kPa]
Ambient temperature range -10°C to +60°C
Maximum viscosity 40 cSt (mm²/s)
Response time 3/8 1/2 3/4 1 1 1/4 1 1/2 2
opening time (ms) 25 30 55 70 300 300 1500
closing time (ms) 40 90 110 200 1000 1000 2000

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas and water	-10°C to +85°C	NBR (nitrile) FPM (fluoroelastomer)

MATERIALS IN CONTACT WITH FLUID
(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass
Internal parts Stainless steel and brass
Springs Stainless steel
Diaphragm & valve disc NBR
Seals and pilot disc FPM
Shading coil Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
Connector specification for power coil: 4 W/6,9 W for power coil: 5,6,9W-9,9W-12,5W DIN 43650, 11 mm, industry standard B ISO 4400 / EN 175301-803, form A IEC 335
Electrical safety Moulded IP65 (EN 60529)
Standard voltages DC (-): 24V - 48V AC (-): 24V - 48V - 115V - 230V / 50 Hz (Other voltages and 60 Hz on request)

prefix option	power ratings			operator ambient temperature range (TS) (°C)	replacement coil		type (1)
	inrush (VA)	holding (VA)	hot/cold (W)		230 V/50 Hz	24 V DC	
12	6	4	5,6,9	-10 to +60	400127-197	400127-142	01 (1)
10,4	6	5	5,6,9	-10 to +60	400727-117	400727-185	02
23	14	8	7,5,9	-10 to +50	511239-009	511239-002	03
28	20	12,5	7,5,9	-10 to +50	511239-014	511239-002	03

See the dimensional drawings on the following page. (1) UL/CSA certified.

SPECIFICATIONS

orifice size (mm)	flow coefficient Kv (m ³ /h) (l/min)	operating pressure differential (bar)		power coil (W)		catalogue number	options			
		min.	max. (PS) air / water (*)	-	=		with lead wire	with 1/2" NPT	EPDM	
Normally closed										
12	2,4	40	0,3	10	10	4	6,9	SCE238D001	MO V E	
16	16	16	0,3	10	10	4	6,9	SCE238D006	MO V E	
12	2,4	40	0,3	10	10	4	6,9	SCE238D002	MO V E	
16	16	16	0,3	10	10	4	6,9	SCE238D007	MO V E	
15	4,2	70	0,3	10	10	4	6,9	SCE238D003	MO V E	
16	16	16	0,3	10	10	4	6,9	SCE238D008	MO V E	
20	6,6	110	0,3	10	10	4	6,9	SCE238D004	MO V E	
16	16	16	0,3	10	10	4	6,9	SCE238D009	MO V E	
25	9,9	165	0,3	10	10	4	6,9	SCE238D005	MO V E	
16	16	16	0,3	10	10	4	6,9	SCE238D010	MO V E	
G 1 1/4	30	15	250	0,5	10	10	8	9	SCG238E016	MO V -
G 1 1/2	45	27	450	0,5	10	10	8	9	SCG238E017	MO V -
G 2	45	34	566	0,5	10	10	8	9	SCG238E018	MO V -
NO - Normally open										
G 1 1/4	30	15	250	0,5	10	10	12,5	9	SCG238E019	- V -
G 1 1/2	45	27	450	0,5	9	9	12,5	9	SCG238E020	- V -
G 2	45	34	566	0,5	9	9	12,5	9	SCG238E021	- V -

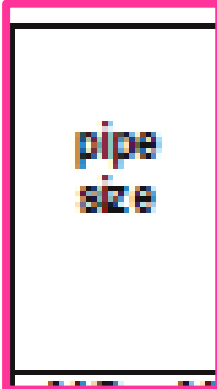
Availability, design restrictions

All leaflets are available on: www.asco.com

V316-1

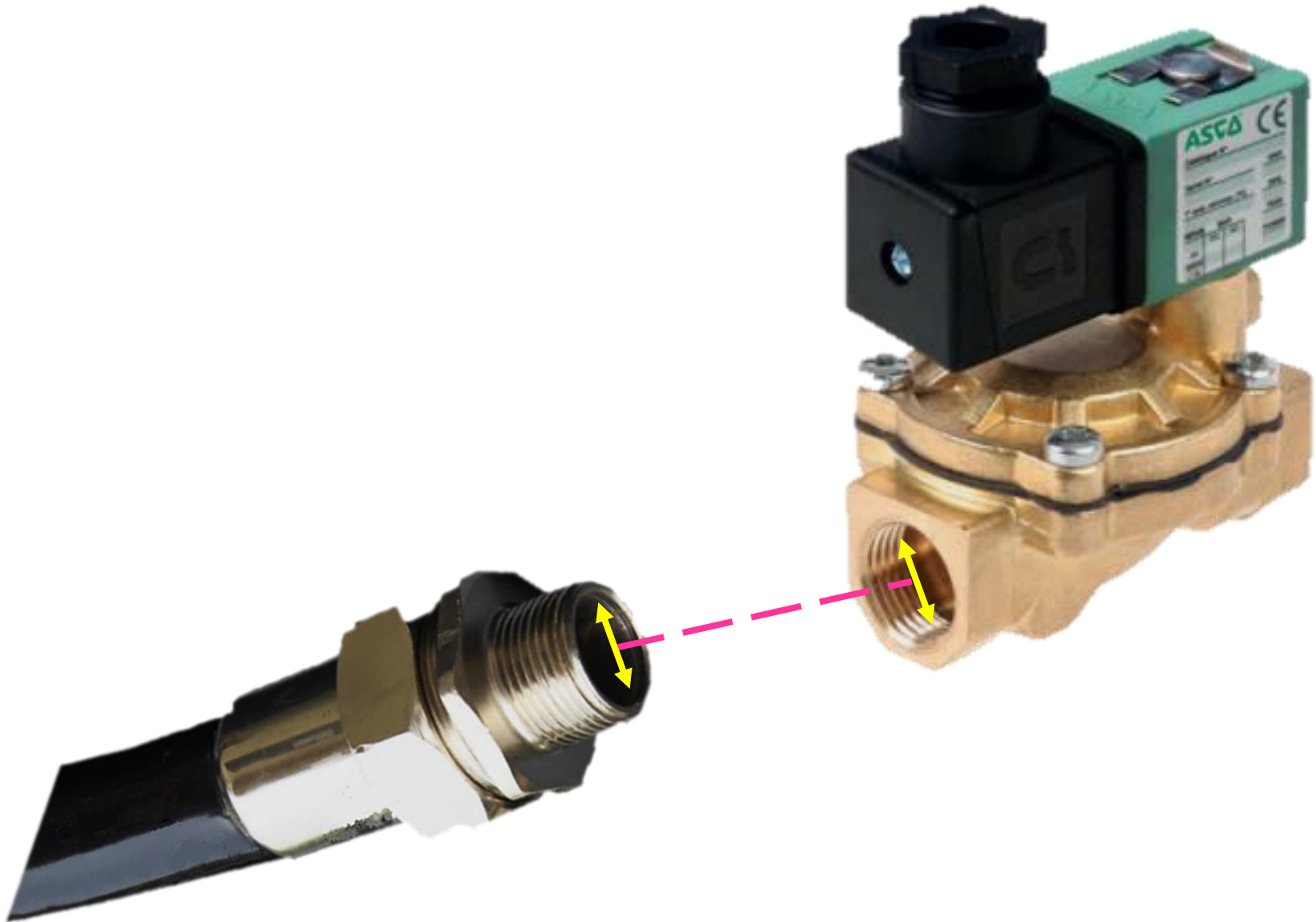


This is the size of the pipe which is going to be connected to the valve



Data sheet information meaning

pipe
size



The pipe sizes need to be the same in order to be connected together

Data sheet information meaning

ASCO™ SOLENOID VALVES
pilot operated
built-in pilot, floating diaphragm
3/8 to 2

2/2 Series 238

FEATURES

- Minimum operating pressure differential ΔP 0,30,5 bar
- Two way valves for automatic control of water, air and inert gas and other gases/liquids compatible with the sealing materials used
- Interchangeability of magnetic heads, AC and DC
- The solenoid valves satisfy all relevant EU Directives

GENERAL

Differential pressure See -SPECIFICATIONS- [1 bar =100 kPa]
Ambient temperature range -10°C to +60°C
Maximum viscosity 40 cSt (mm²/s)
Response time
opening time (ms) 3/8 1/2 3/4 1 1 1/4 1 1/2 2
closing time (ms) 25 30 55 70 300 300 1500
closing time (ms) 40 90 110 200 1000 1000 2000

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas and water	-10°C to +85°C	NBR (nitrile) FPM (fluoroelastomer)

MATERIALS IN CONTACT WITH FLUID
(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass
Internal parts Stainless steel and brass
Springs Stainless steel
Diaphragm & valve disc NBR
Seals and pilot disc FPM
Shading coil Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
Connector specification
for power coil: 4 W/6,9 W
for power coil: 5,6,9W-9,9W-12,5W
Electrical safety DIN 43650, 11 mm, industry standard B
ISO 4400 / EN 175301-803, form A
IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (-): 24V - 48V
AC (-): 24V - 48V - 115V - 230V / 50 Hz
(Other voltages and 60 Hz on request)

prefix option	power ratings				operator ambient temperature range (TS) (°C)	replacement coil		type (1)
	inrush (VA)	holding (VA)	holding (W)	hot/cold (W)		230 V/50 Hz	24 V DC	
12	6	4	5/6,9	5/6,9	-10 to +60	400127-197	400127-142	01 (1)
10,4	6	5	5/6,9	5/6,9	-10 to +60	400727-117	400727-185	02
23	14	8	7,5/9	7,5/9	-10 to +50	511239-009	511239-002	03
28	20	12,5	7,5/9	7,5/9	-10 to +50	511239-014	511239-002	03

See dimensional drawings on the following page. (1) UL/CSA certified.

SPECIFICATIONS

orifice size (mm)	flow coefficient Kv (m ³ /h) (l/min)	operating pressure differential (bar)	power coil (W)		catalogue number	options					
			min.	max. (PS) air/water (*)		with head	with seal	EPDM			
12	2,4	40	0,3	10	10	4	6,9	MO	V	E	
				16	16	5	6,9	MO	V	E	
12	2,4	40	0,3	10	10	4	6,9	MO	V	E	
				16	16	5	6,9	MO	V	E	
15	4,2	70	0,3	10	10	4	6,9	MO	V	E	
				16	16	5	6,9	MO	V	E	
20	6,6	110	0,3	10	10	4	6,9	MO	V	E	
				16	16	5	6,9	MO	V	E	
G* 1	25	9,9	165	0,3	10	10	4	6,9	MO	V	E
					16	16	5	6,9	MO	V	E
G 1 1/4	30	15	250	0,5	10	10	8	9	MO	V	-
					16	16	8	9	MO	V	-
G 1 1/2	45	27	450	0,5	10	10	8	9	MO	V	-
					16	16	8	9	MO	V	-
G 2	45	34	566	0,5	10	10	8	9	MO	V	-
					16	16	8	9	MO	V	-
G 1 1/4	30	15	250	0,5	10	10	12,5	9	-	V	-
					9	9	12,5	9	-	V	-
G 1 1/2	45	27	450	0,5	10	10	12,5	9	-	V	-
					9	9	12,5	9	-	V	-
G 2	45	34	566	0,5	10	10	12,5	9	-	V	-
					9	9	12,5	9	-	V	-

NO - Normally open

Availability, design and specifications: www.emerson.com

All leaflets are available on: www.asco.com

V316-1

orifice size



This is the size of the valve seat. The bigger the diameter, the more flow can be passed

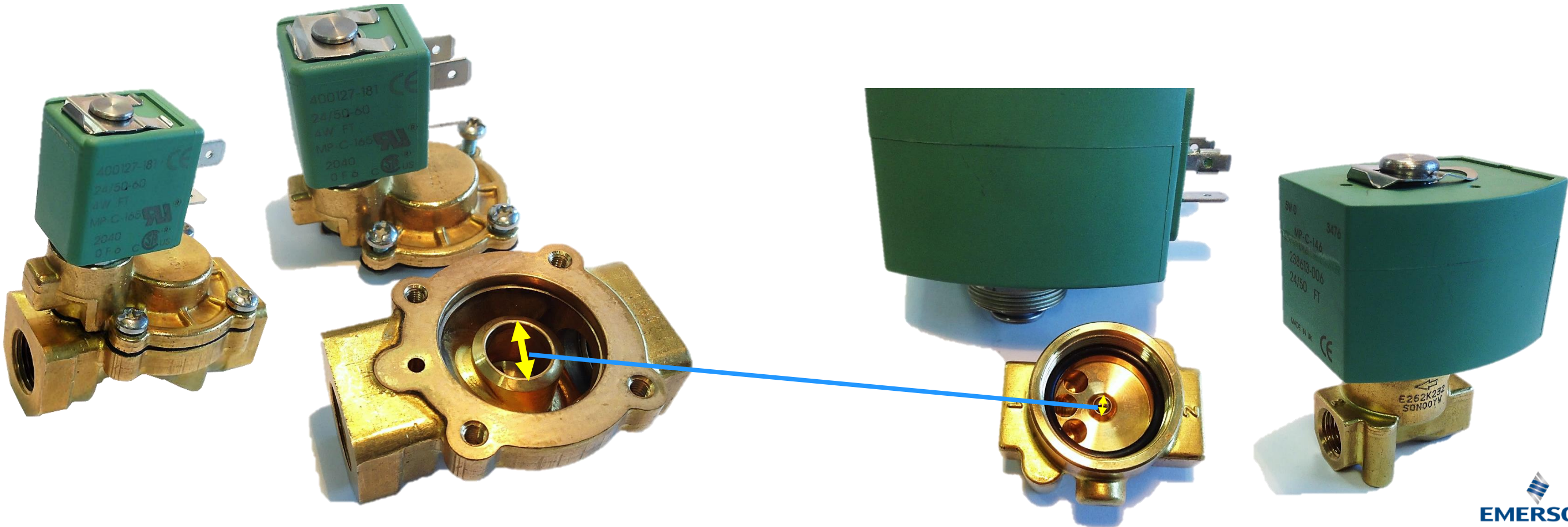


Data sheet information meaning

orifice
size



That's the orifice size or nominal diameter



Data sheet information meaning

ASCO **SPOOL VALVES**
 pilot operated or air operated, spool type
 single/dual solenoid or air (mono/bistable function)
 aluminium body, 1/4 - 1/2

FEATURES

- All the exhaust ports of the spool valve are connectable, providing better environmental protection. Particularly recommended for sensitive areas, such as clean rooms, and applications in the pharmaceutical and food processing sectors
- The valves offer environmental protection against the ingress of liquids, dusts or other foreign matter (environmentally-protected construction)
- The monostable spool valves in conformity with IEC 61508 Standard (2010 route 2, version) have TÜV (551 series) and EXIDA (551-553 series) certified with integrity levels: SIL 2 for HFT = 0 / SIL 3 for HFT = 1

operating pressure differential (bar)

min.	max. (PS)	
	air (*)	
	~	=

solenoïd air pilot opera

2	10	10
2	10	10

solenoïd air pilot opera

2	10	10
2	10	10

erated - spring return

2	10	10
2	10	10

3/2 Series 551 553

seal materials (*)
 (*) + PUR (polyurethane)

Is verified
 M, aluminium

nominal diameter (mm) or Ø 6-10 mm
 by standard form B (type 01)
 803, form A (type 02)

nominal voltage
 - 230V / 50 Hz

coil

type (1)	=
Hz	24 V DC
97	400904-542 01
17	400727-185 02

Configurator - CAD Files

catalogue number	options
~/=	with back flush operator
return (monostable)	
SCG551A005	MS - -
SCG553A005	MS - -
return (bistable)	
SCG551A006	MS - -
SCG553A006	MS - -
(optional), certified IEC 61508 Functional Safety data	
SCG551A005SL	- - -
SCG553A005SL	- - -

All leaflets are available on: www.asco.com

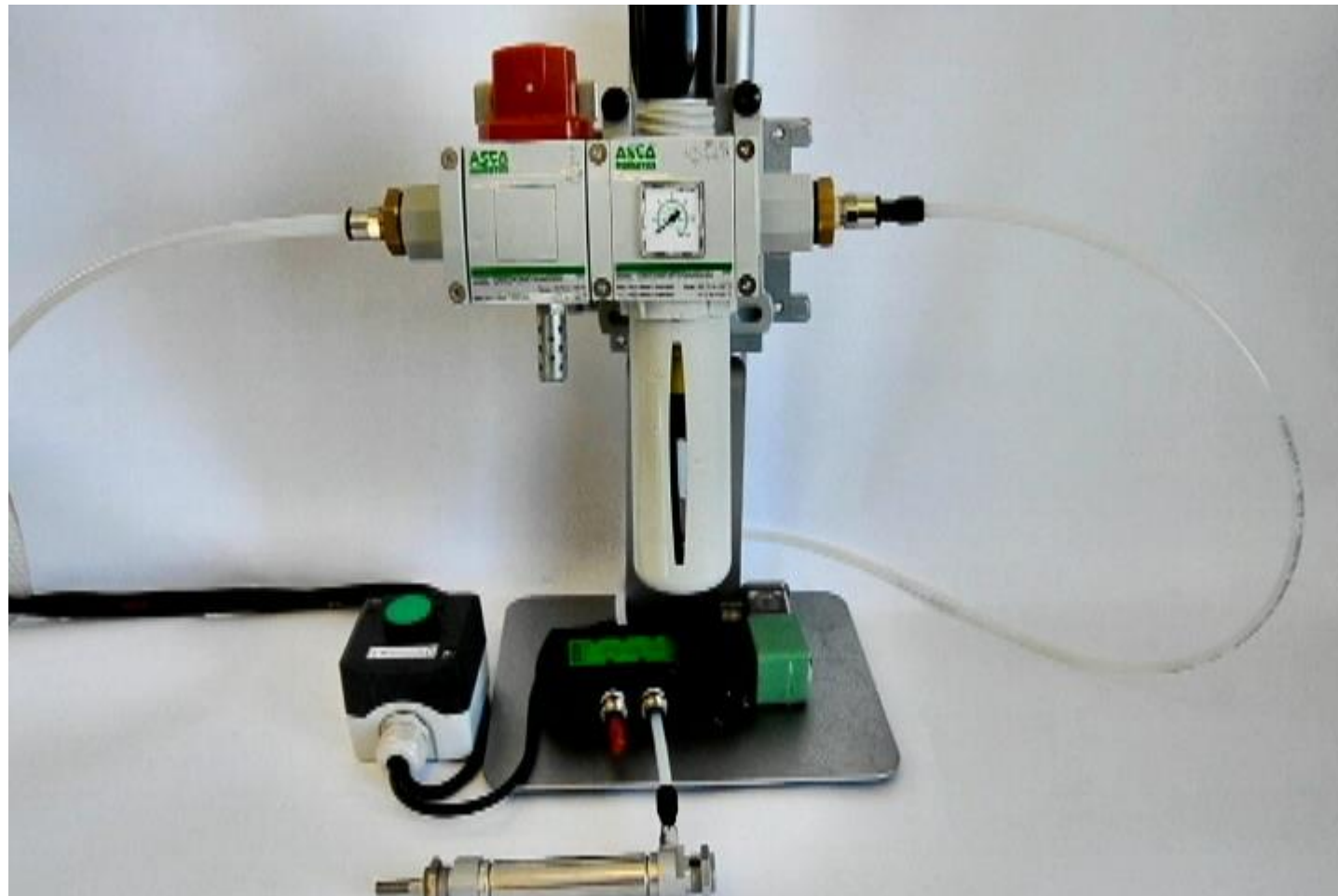
Pneumatic Valves (3/2) - 5



This information guarantees the proper valve function.


What happens if we don't respect these pressures?

Data sheet information meaning



The minimum pressure for a 551 is 2 bar. What happens if we don't apply this differential pressure?


Data sheet information meaning





SOLENOID VALVES
direct operated
1/8 - 1/4


FEATURES

- Compact design for the control of single-acting actuators or filling and draining cycles
- Wide range of flow and pressure ratings
- Quick disassembly of core tube for easy maintenance of internal parts
- Standard disc seal made of FPM suitable for a wide range of operating temperatures and compatible with many fluids
- Standard manual operator allows an easy installation
- AC/DC interchangeability of the solenoid without disassembly of the valve
- Compliance with UL and CSA standards (coil 4/6,9 W)
- Compact and low weight valve

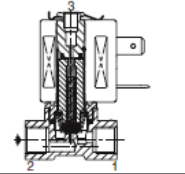
NC  **3/2**

U  **Series**

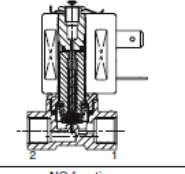
NO  **356**



UL **CSA** **CE**



NC function



NO function

catalogue number		options	
PS	EPDM	stainless steel	EPDM
001VMS	SCG356B013VMS	E	-
002VMS	SCG356B014VMS	E	-
003VMS	SCG356B015VMS	E	-
004VMS	SCG356B016VMS	E	-
466VMS	SCG356B434VMS	-	-
470VMS	SCG356B436VMS	-	-
010VMS	SCG356B022VMS	E	-
011VMS	SCG356B023VMS	E	-
012VMS	SCG356B024VMS	E	-
006VMS	SCG356B018VMS	E	-

leaflets are available on: www.asco.com
Solenoid valves (3/2) - 23

operating pressure differential (bar)		power coil (W)		brass	catalog number
min.	max. (PS)				
	air, water, oil (*)	~	=	~	=
0	15	15	4	6,9	SCG356B001VMS
0	10	10	4	6,9	SCG356B002VMS
0	5	5	4	6,9	SCG356B003VMS
0	4	4	4	6,9	SCG356B004VMS
0	10	10	5	5	SCG356B466VMS
0	4	4	5	5	SCG356B470VMS
0	4,5	4,5	4	6,9	SCG356B010VMS
0	3	3	4	6,9	SCG356B011VMS
0	2	2	4	6,9	SCG356B012VMS
0	8,5	8,5	4	6,9	SCG356B006VMS



The maximum operating pressure for a 356 B004 is 4 bar. What happens if we go over the maximum differential pressure?

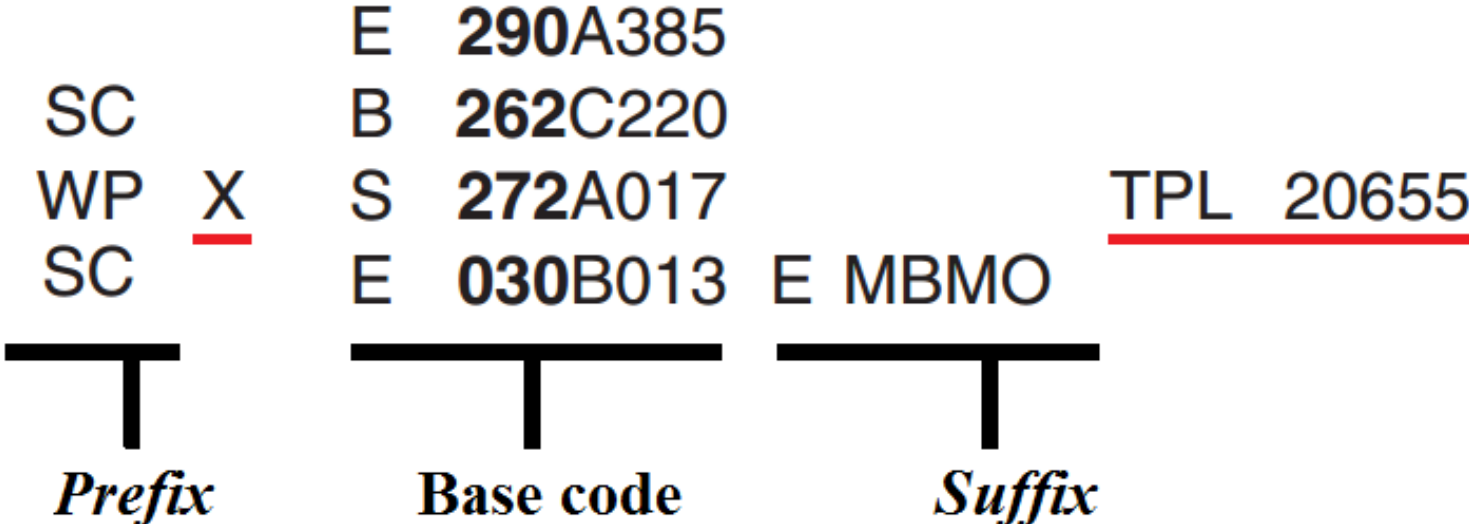
Data sheet information meaning



Code numbers

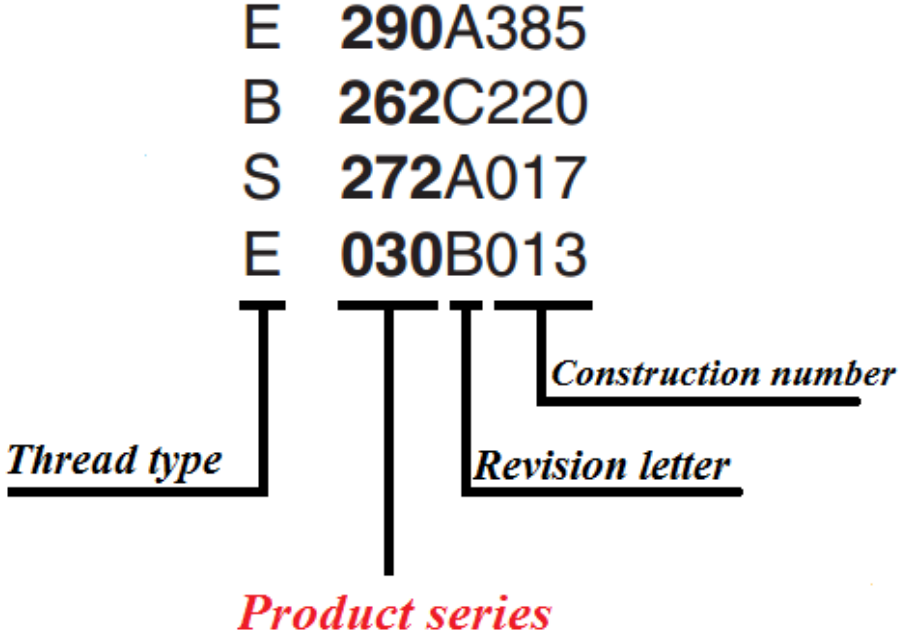
Exhibitions

Alpha-numerical code



Understanding solenoid valves catalogue numbers

Base code - alpha-numerical



The same rule applies to numerical codes!

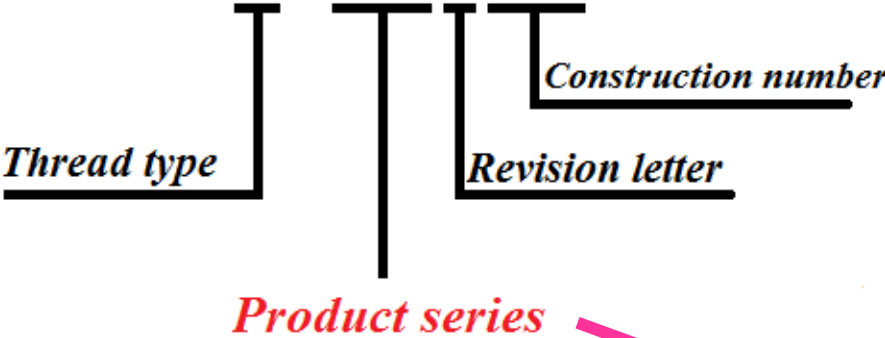
Base code is 8 characters long


1 2 3 4 5 6 7 8
E290A385

Understanding solenoid valves catalogue numbers

Base code

E 290A385
 B 262C220
 S 272A017
 E 030B013






SOLENOID VALVES
 direct operated
 for low pressure fluids
 3/8 to 3/4

2/2
 Series
030

FEATURES

- For gas pilot control on industrial power boilers and low pressure gas control on gas-fired ovens and furnaces
- The normally open type is particularly suited for venting systems in gas installations
- Brass bodied low pressure valves designed to provide maximum flow





Understanding solenoid valves catalogue numbers



E (RP)
G (Gas) } Compatible
B/8 (NPT USA)



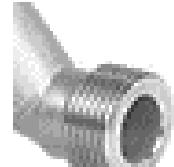
Welding ends



S
 Clamp



T Flanges



U Threaded

Base code

E 290A385
B 262C220
S 272A017
E 030B013

Thread type

Construction number

Revision letter

identify a product in a series

Product series

The revision letter denotes a small change without a specification modification

Old code SCE238**C**001

New code SCE238**D**001



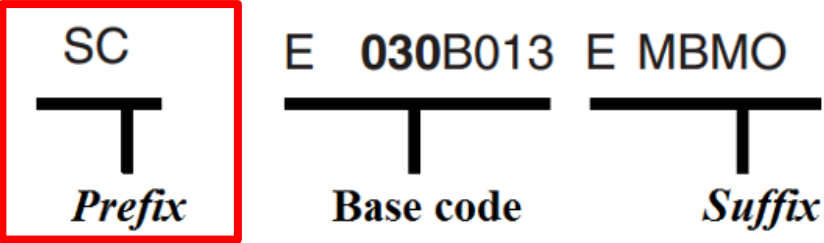
Understanding solenoid valves catalogue numbers

Prefix
Electrical features

Suffix
Construction features



Prefix – describes the electrical component of the valve



SC – the standard coil enclosure It offers the most basic protection



Catalogue page: V003-1

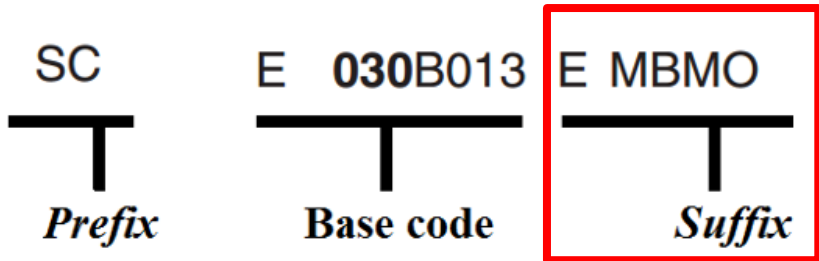
PREFIX - Electrical characteristics, connectors etc.

prefix							description
1	2	3	4	5	6	7	
C	F	S	C				Solenoid with connector DIN 43650, 9,4 mm, pilot 302
C	F	V	T				Solenoid with connector M12, LED and protection, pilot 302
E	F						Explosionproof - NEMA 3, 4, 6, 7, 9
E	V						Explosionproof - NEMA 3, 4, 6, 7, 9 - 316 SS
W	B	L	P				Increased safety / encapsulation - moulded enclosure ATEX-IECEX
E	M						Encapsulated ATEX-IECEX
		E	T				Threaded conduit / ext. thread (M20 x 1.5)
				H	T		Class H - high temperature , +80°C ambient temp.
L	P	K	F				Flameproof - Alum. ATEX-IECEX
N	F						Flameproof - Alum. ATEX-IECEX
P	V						Encapsulated ATEX-IECEX
S	C						Solenoid with spade plug connector
		T					Threaded conduit / ext. thread (1/2" NPT)
W	P						Waterproof IP67 - metal enclosure
L	I						Intrinsically safe - Alum. enclosure ATEX-IECEX
N	F			I	S		I.S. with Aluminium IP67 enclosure ATEX-IECEX
W	S						Waterproof IP67 - 316 SS enclosure
W	S	E	M				Encapsulated ATEX-IECEX, 316 SS enclosure
W	S	L	I				Intrinsically safe - 316L enclosure ATEX-IECEX
W	S	L	P	K	F		Flameproof - 316L SS ATEX-IECEX
W	S	N	F				Flameproof - 316L SS ATEX-IECEX
W	S	N	F	I	S		I.S. with 316 SS IP67 enclosure ATEX-IECEX
S	G						Dust applications - coils and connectors - II 3 D, Ex tc IIIC
						X	Other special constructions *

* If prefix X is used, always specify Temporary Parts List (TPL) number



Suffix – describes construction (mechanical) features



Seal materials:

- E - EPDM
- J – CR
- T - PTFE
- V - FPM



See page V006-1

Other options:

- MB – mounting brackets
- MO, MS – manual operators
- LT – low temperature
- N – Oxygen service
- VM, VH – Vacuum service
- Etc...

Catalogue page: V003-1

SUFFIX - Seal materials, manual operator etc.
(under the "options" column in the SPECIFICATIONS table)

suffix							description
1	2	3	4	5	6	7	
E	C	O					Epoxy coating on all external surfaces
N	V						EPDM (ethylene-propylene)
H	W						Oxygen service (CR (chloroprene)
J							FPM (fluoroelastomer) parts cleaned for oxygen service
	M	B	L	T			Diaphragm for hot water service
			M	O			CR (chloroprene / neoprene)
			M	S			Low temperature
			P				Mounting bracket
			Q				Impulse or maintained manual operator
			L				Maintained manual operator
T	S						Dry gas, non-lubricated air construction
V							Long life construction
			V	M			Certified IEC 61508 Functional Safety data
			V	H			PTFE (polytetrafluoroethylene)
							FPM (fluoroelastomer)
							Primary vacuum
							Secondary vacuum

TPL – Temporary Parts List

TPL number – special option or construction feature given to a specific product.



The prefix **X** is always associated with a **TPL number**

TPL – Temporary Parts List



TPL – Temporary Parts List



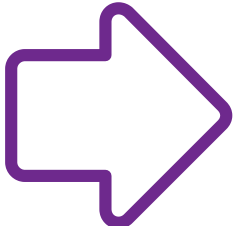
Prefix X

TPL number

Voltage

DC voltage

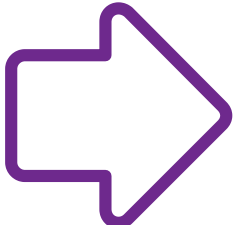
Voltage/DC



- PISCIS 8551C501. 6/DC
- WSNF 8327B102. 24/DC
- SC G256A002VMS.48/DC
- WSNFX8327A608. 110/DC.25200

AC voltage

Voltage/Frequency

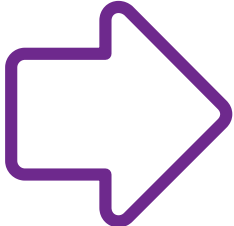


- SC 8356B013V. **24/50-60**
- NF G551A409MO. **120/60**
- SCX G262C022. **220/50.18273**

Special codification for 15 digit codes

Series 262-263-314
(Check catalogue for identification)

voltage code					
24 V/50 Hz	48 V/50 Hz	115 V/50 Hz	230 V/50 Hz	24 V/DC	48 V/DC
FL	FR	FT	F8	F1	F9



- E262K019S1N00**F8**
- E263K003S1N00**FL**
- E314K068S1N00**F1**


Understanding catalogue numbers



Hello
I have a valve but I don't know
what the code means.
Can you tell me?

SCX8551B401MO.24/DC.18275

Data sheet information meaning



PRODUCT IDENTIFICATION

Catalogue number identification system


Products in this catalogue are identified by an **alphanumerical** or **numerical** identification system

ALPHANUMERICAL CATALOGUE NUMBERS

E 290A385
SC B 262C220
SC X^m S 272A017
WP E 030B013 E MBMO TPL 20655

prefix
pipe thread
series no.
basic number
suffix
TPL no.

The catalogue number appears on the product label:



A

(1) The prefix X is always associated with the TPL (temporary parts list) number

PREFIX - Electrical characteristics, connectors etc.

prefix							description
1	2	3	4	5	6	7	
C	F	S	C				Solenoid with connector DIN 43650, 9,4 mm, pilot 302
C	F	V	T				Solenoid with connector M12, LED and protection, pilot 302
E	F						Explosionproof - NEMA 3, 4, 6, 7, 9
E	V						Explosionproof - NEMA 3, 4, 6, 7, 9 - 316 SS
W	B	L	P				Increased safety / encapsulation - moulded enclosure ATEX-IECEEx
E	M						Encapsulated ATEX-IECEEx
		E	T				Threaded conduit / ext. thread (M20 x 1.5)
				H	T		Class H - high temperature, +80°C ambient temp.
L	P	K	F				Flameproof - Alum. ATEX-IECEEx
N	F						Flameproof - Alum. ATEX-IECEEx
P	V						Encapsulated ATEX-IECEEx
S	C						Solenoid with spade plug connector
		T					Threaded conduit / ext. thread (1/2" NPT)
W	P						Waterproof IP67 - metal enclosure
L	I						Intrinsically safe - Alum. enclosure ATEX-IECEEx
N	F			I	S		I.S. with Aluminium IP67 enclosure ATEX-IECEEx
W	S						Waterproof IP67 - 316 SS enclosure
W	S	E	M				Encapsulated ATEX-IECEEx, 316 SS enclosure
W	S	L	I				Intrinsically safe - 316L enclosure ATEX-IECEEx
W	S	L	P	K	F		Flameproof - 316L SS ATEX-IECEEx
W	S	N	F				Flameproof - 316L SS ATEX-IECEEx
W	S	N	F	I	S		I.S. with 316 SS IP67 enclosure ATEX-IECEEx
S	G					X	Dust applications - coils and connectors - II 3 D, Ex tc IIIC Other special constructions *

* If prefix X is used, always specify Temporary Parts List (TPL) number

SUFFIX - Seal materials, manual operator etc. (under the "options" column in the SPECIFICATIONS table)

suffix							description
1	2	3	4	5	6	7	
	C	O					Epoxy coating on all external surfaces
E							EPDM (ethylene-propylene)
N							Oxygen service (CR (chloroprene))
N	V						FPM (fluoroelastomer) parts cleaned for oxygen service
H	W						Diaphragm for hot water service
J							CR (chloroprene / neoprene)
			L	T			Low temperature
							Mounting bracket
	M	B					Impulse or maintained manual operator
			M	O			Maintained manual operator
			M	S			Dry gas, non-lubricated air construction
		P					Long life construction
	S	L					Certified IEC 61508 Functional Safety data
T							PTFE (polytetrafluoroethylene)
V							FPM (fluoroelastomer)
			V	M			Primary vacuum
			V	H			Secondary vacuum

TPL (temporary parts list) number - always associated with the prefix X (under "options" in the catalogue)

TPL	description
20547	Version for external pilot air supply (series 551-553)
20655	Manual operator with pushbutton (series 272-374)
20674	LED and protection (prefix CFSC)
23012	2 Mounting holes øM4, 7 mm depth (stainless steel body, series 370)



Check
Engineering
Information
to review
information
and for
examples

Understanding catalogue numbers

Remember:



- Find the chapter you need
- Use the first pages of the chapter to search what you need
- Find the page for your code in the index
- Each line of products (valve, pistons, FRL, etc) has different codifications.
- Check catalogues to understand them.



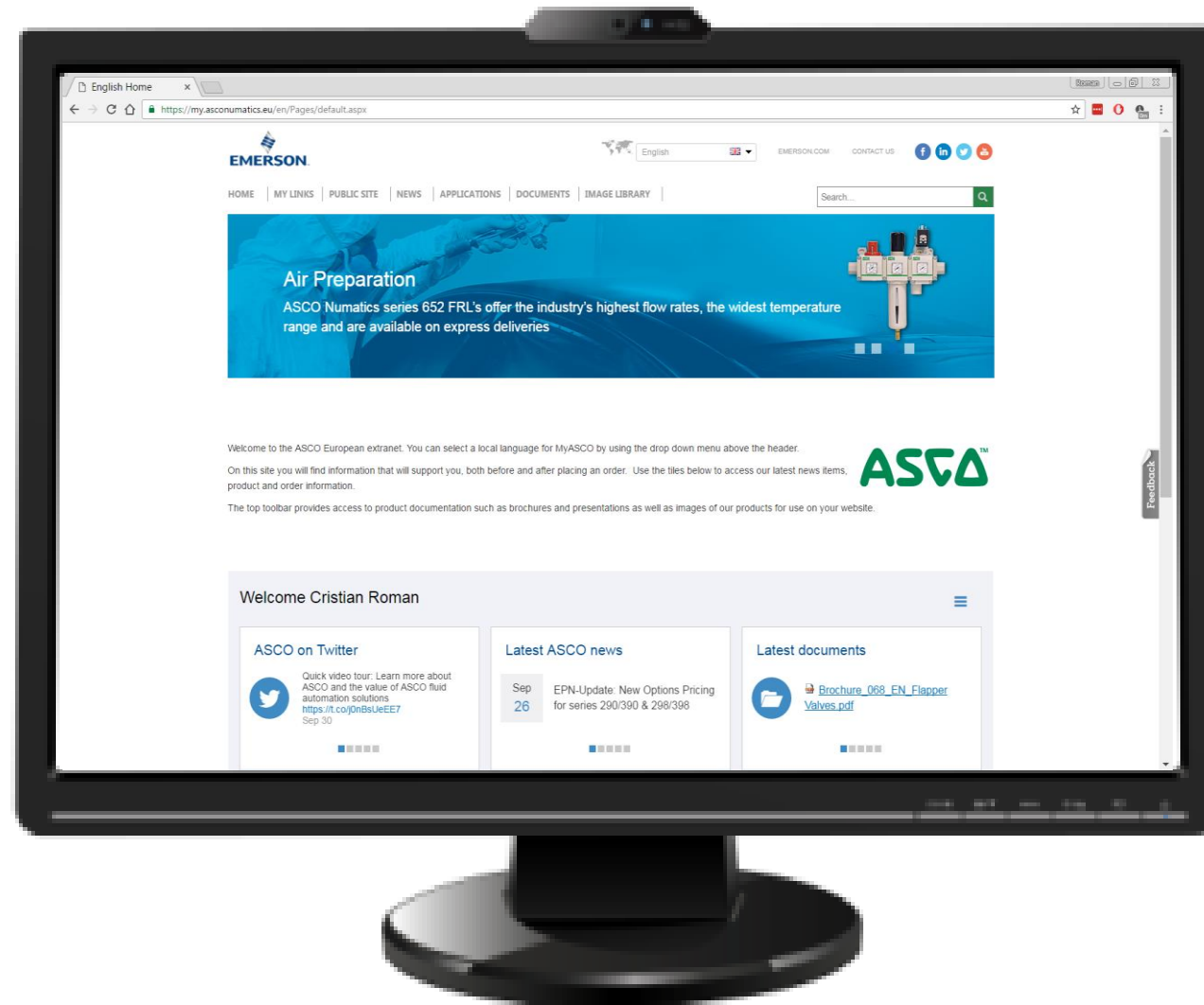
Digital communication

Web tools



- **Digital communication**
 - **Website**
 - Find information fast
 - The “Product catalogue”
- **My ASCO**
 - How do you access it?
 - Communication products
 - DPM
 - Order tracking
- **The catalogues**

The website www.asconumatics.eu



Find information quickly



**I want to mount an
E314K036S1N00 in
my circuit.**

Fluid: air

Pressure: 10 bar

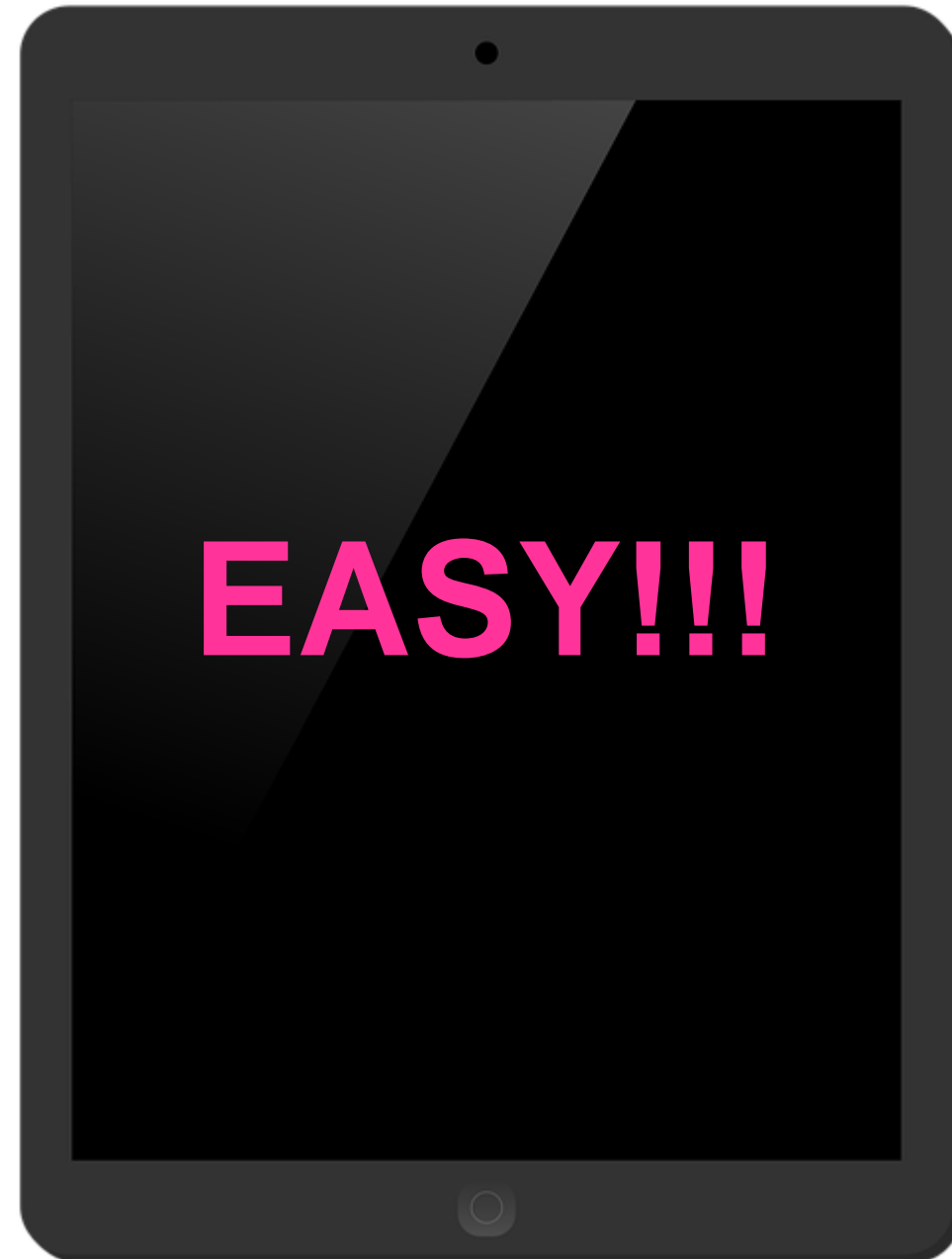
Current: 30 V AC

Is it possible?

Find information quickly



Where am I
going to find the
answer?



Find information quickly



You can use the search box to find what you need

EMERSON

ASCO HOME | PRODUCTS & SOLUTIONS | INDUSTRY EXPERTISE | TOOLS | NEWS | ABOUT

I'm looking for...
E314K

ASCO IN THE FOOD & BEVERAGE INDUSTRIES
For processing, utility control or bottling and packaging. Fluid Automation. Right. Now

ASCO — where flow control meets pneumatics to create fluid automation solutions that maximise efficiencies, optimise applications, and enable customers to fulfil their requirements.

If you have been redirected here from asconumatics.eu then welcome to our new home. Our new website represents the next step in our strategy to give you a similar

ASCO™
Latest News

Find information quickly

EMERSON

ASCO HOME | PRODUCTS & SOLUTIONS | INDUSTRY EXPERTISE | TOOLS | NEWS | ABOUT

E314K

Everything Products & Solutions Industry Expertise Tools News

REFINE BY

Result Type

pdf

1 Results

Catalogue-Solenoid Valve-General Service-314-1/4-Dire
NBR FPM FPM (oxygen) NBR FPM FPM (oxygen) **E314K** 006 M200074 N00 V00
VN0 M200074 N00 V00 VN0 **E314K** 007 ...
www.asco.com/.../Solenoid Valves-3_2-Brass-Stainless steel body-314...

1 Results

PRODUCTS & SOLUTIONS	INDUSTRY EXPERTISE	TOOLS	ABOUT	OTHER LINKS
Products	Industries	Flow Calculator	Company History	NEWS
Catalogue Pages	Applications	Literature	Brands	CONTACT US
Product & CAD	Capabilities & Expertise	Videos	FAQ	OFFICE & DISTRIBUTOR LOCATOR
Configurators	Customer Success	Training	Careers	
I&M Sheets	Stories		Exhibitions	



The description of what you will find in the document is below the document name

Find information quickly



SOLENOID VALVES SERIES 314

SPECIFICATIONS

15-DIGIT PRODUCT CODE

pipe size	orifice size (mm)	flow coefficient Kv				min.	operating pressure differential (bar) max. (PS)						power coil (W)		thread type	dimensions / type (°)	brass	stainless steel	voltage code																																
		2 → 1		1 → 3			air (*)		water (*)		oil (*)		~	=					24 V/50 Hz	48 V/50 Hz	115 V/50 Hz	230 V/50 Hz	24 V/DC	48 V/DC																											
		(m³/h)	(l/min)	(m³/h)	(l/min)		~	=	~	=	~	=																																							
WITHOUT MANUAL OPERATOR																																																			
NC - Normally closed, NBR seal and disc																																																			
1/8	1,2	0,04	0,7	0,05	0,8	0	20	17	20	17	20	17	10,1	11,6	G	01	G314K031S1N00	G314K037S1N00																																	
	2,4	0,13	2,2	0,17	2,8	0	14	10	14	8	13	6	10,1	11,6	G	01	G314K032S1N00	G314K038S1N00																																	
	3,2	0,22	3,7	0,17	2,8	0	10	6	10	6	6,5	4,5	10,1	11,6	G	01	G314K033S1N00	G314K039S1N00																																	
1/4	1,2	0,04	0,7	0,05	0,8	0	20	17	20	17	20	17	10,1	11,6	G*	01	E314K034S1N00	E314K068S1N00																																	
	2,4	0,13	2,2	0,17	2,8	0	14	10	14	8	13	6	10,1	11,6	G*	01	E314K035S1N00	E314K121S1N00	FL	FR	FT																														
	3,2	0,22	3,7	0,17	2,8	0	10	6	10	6	6,5	4,5	10,1	11,6	G*	01	E314K036S1N00	E314K126S1N00																																	
	4	0,43	7,1	0,17	2,8	0	5	3	5	3	5	3	10,1	11,6	G	01	E314K130S1N00	E314K230S1N00																																	
	5,6	0,60	10	0,17	2,8	0	2,5	1,7	2,5	1,7	2,5	1,7	10,1	11,6	G*	01	E314K131S1N00	E314K231S1N00																																	
	7,1	0,73	12,1	0,17	2,8	0	1,7	1	1,7	1	1,7	1	10,1	11,6	G*	01	E314K132S1N00	E314K232S1N00																																	
U - Universal, NBR seal and disc																																																			
1/8	1,2	0,04	0,7	0,05	0,8	0	13	13	13	13	13	13	10,1	11,6	G	01	G314K041S1N00	G314K042S1N00																																	
	2,4	0,13	2,2	0,17	2,8	0	7	7	5,5	5,5	4	4	10,1	11,6	G	01	G314K043S1N00	G314K044S1N00																																	
	3,2	0,22	3,7	0,17	2,8	0	4,5	3,5	4,5	3	2,5	3	10,1	11,6	G	01	G314K045S1N00	G314K040S1N00																																	
1/4	1,2	0,04	0,7	0,05	0,8	0	13	13	13	13	13	13	10,1	11,6	G*	01	E314K006S1N00	E314K123S1N00																																	
	2,4	0,13	2,2	0,17	2,8	0	7	7	5,5	5,5	4	4	10,1	11,6	G*	01	E314K007S1N00	E314K120S1N00	FL	FR	FT	F8	F1	F9																											
	3,2	0,22	3,7	0,17	2,8	0	4,5	3,5	4,5	3	2,5	3	10,1	11,6	G*	01	E314K008S1N00	E314K124S1N00																																	
	4	0,43	7,1	0,17	2,8	0	2,5	1,7	2,5	1,7	2,5	1,7	10,1	11,6	G*	01	E314K127S1N00	E314K227S1N00																																	
	5,6	0,60	10	0,17	2,8	0	1,2	0,8	1,2	0,8	1,2	0,8	10,1	11,6	G*	01	E314K128S1N00	E314K228S1N00																																	
	7,1	0,73	12,1	0,17	2,8	0	0,68	0,55	0,68	0,55	0,68	0,55	10,1	11,6	G*	01	E314K129S1N00	E314K229S1N00																																	
NO - Normally open, NBR seal and disc																																																			
1/8	1,2	0,04	0,7	0,05	0,8	0	20	17	20	17	20	17	10,1	11,6	G	01	G314K049S1N00	G314K055S1N00																																	
	2,4	0,13	2,2	0,17	2,8	0	12	11	12	11	12	11	10,1	11,6	G	01	G314K050S1N00	G314K056S1N00																																	
	3,2	0,22	3,7	0,17	2,8	0	11	10	11	10	11	10	10,1	11,6	G	01	G314K051S1N00	G314K057S1N00																																	
1/4	1,2	0,04	0,7	0,05	0,8	0	20	17	20	17	20	17	10,1	11,6	G*	01	E314K052S1N00	E314K069S1N00																																	
	2,4	0,13	2,2	0,17	2,8	0	12	11	12	11	12	11	10,1	11,6	G*	01	E314K053S1N00	E314K122S1N00	FL	FR	FT	F8	F1	F9																											
	3,2	0,22	3,7	0,17	2,8	0	11	10	11	10	11	8	10,1	11,6	G*	01	E314K054S1N00	E314K070S1N00																																	



Searching products



EMERSON

ASCO HOME | **PRODUCTS & SOLUTIONS** | INDUSTRY EXPERTISE | TOOLS | NEWS | ABOUT

Products

- Solenoid & Pressure Operated Valves**
- Pneumatic Valves
- Cylinders & Actuators
- Air Preparation
- Accessories

Product Literature

- Catalogue Pages
- Certificates
- Downloads
- Installation & Maintenance (I&M)

Product & CAD Config

ASCO FOR ANALYTICAL AND MEDICAL APPLICATIONS

Whether building machines for laboratory analysis or patient care. Fluid Automation. Right. Now

ASCO — where flow control meets pneumatics to create fluid automation solutions that maximise efficiencies, optimise applications, and enable customers to fulfil their potential.

If you have been redirected here from asconumatics.eu then welcome to our new home. Our new website represents the next step in our strategy to give you a similar

ASCO™

Latest News



Searching products

EMERSON

ASCO HOME | PRODUCTS & SOLUTIONS | INDUSTRY EXPERTISE | TOOLS | NEWS | ABOUT

Search...

Products & Solutions

Solenoid and Pressure Operated Valves

General service, pressure operated, miniature, process, dust collector, proportional valves & more!

ASCO solenoid valves control critical flow of air, gas, water, oil, and steam in applications spanning numerous industries. Our portfolio ranges from two-position on/off valves to flow control systems that impact thousands of users. ASCO's solenoid power management technology sets a new industry standard for reliability and power consumption, accepting both AC and DC voltages while improving performance. These 2-way, 3-way and 4-way solenoid valves can handle most fluid control applications in all commercial and industrial environments. These include ATEX and IECEx certified valves for use in hazardous areas.

We also offer a complete line of general service, isolation, pinch, proportional valves, and manifold assemblies for use in medical equipment, analytical instrumentation, and industrial applications. ASCO [Miniature Valve Products](#) are assembled and 100% factory tested in an ISO Class 8 equivalent clean room. The extensive line of solenoid valves from ASCO also includes [nuclear products](#), [composite valves](#), [spool valves](#), and [redundant control systems](#). Plus our world class engineering teams can work with you to create high-quality custom assemblies for any application.

Refine by product type or filter and refine below

- General service** (highlighted)
- Dust collectors
- Miniature valves
- Process valve automation
- Fuel, gas and oil valves
- Proportional valves
- Nuclear
- Pressure operated
- Integrated Solutions



Select what you need



Searching products



Use the filters to narrow your search

REFINE BY: PRODUCTS

▼ Valve Actuation

Solenoid Solenoid ...

Solenoid ... Lever

[SHOW MORE](#)

▶ Function

▶ Body Material

▶ Media

▶ Pipe or Port Size

▶ Port Type

▶ Voltage

▶ Frequency

▶ Flow CV

▶ Flow Kv

▶ Flow LM

▶ Flow M3H



▶ Max Operating Pressure

▶ Operating Environment

▶ Standards and Regulations

▶ Application

Clear Refiners

	Description	Media	Pipe Size	Function	Series
	Solenoid Valve - 3/2 - Series 314	Air, Inert Gas;Light Oil;Water	1/8;1/4	3/2 Normally Closed;3/2 Normally Open;3/2 Universal	314
	Solenoid Valve - 2/2 - Series 263	Aggressive Liquids/Gases;Air, Inert Gas;Ammonia;Cryogenic;Fuel Oil;Hot Water;Light Oil;Oxygen;Steam;Vacuum;Water	3/8	2/2 Normally Closed	263-s
	Solenoid Valve - 3/2, 5/2, 5/3 - Series 551	Air, Inert Gas	1/4	5/3 - Closed Center;3/2 Normally Closed;5/3 - W1 - Pressure Held;5/3 - W3 - Pressure Release;3/2 - 5/2 Normally Closed;5/3;3/2;5/2	551
	Solenoid Valve - 2 Way: 2/2 - ASCO Series 222	Hot Water;Steam	1/2;3/8;3/4;1;1 1/2;1 1/4	2 way - 2/2 Normally Closed	222
	Solenoid Valve - 2/2 - ASCO Series 238	Air, Inert Gas;Light Oil;Water	1/2;3/8;3/4;1;1 1/2;1 1/4;2	2/2 Normally Closed;2/2 Normally Open	238
	Solenoid	Air, Inert Gas	1/4	5/2;5/3	521

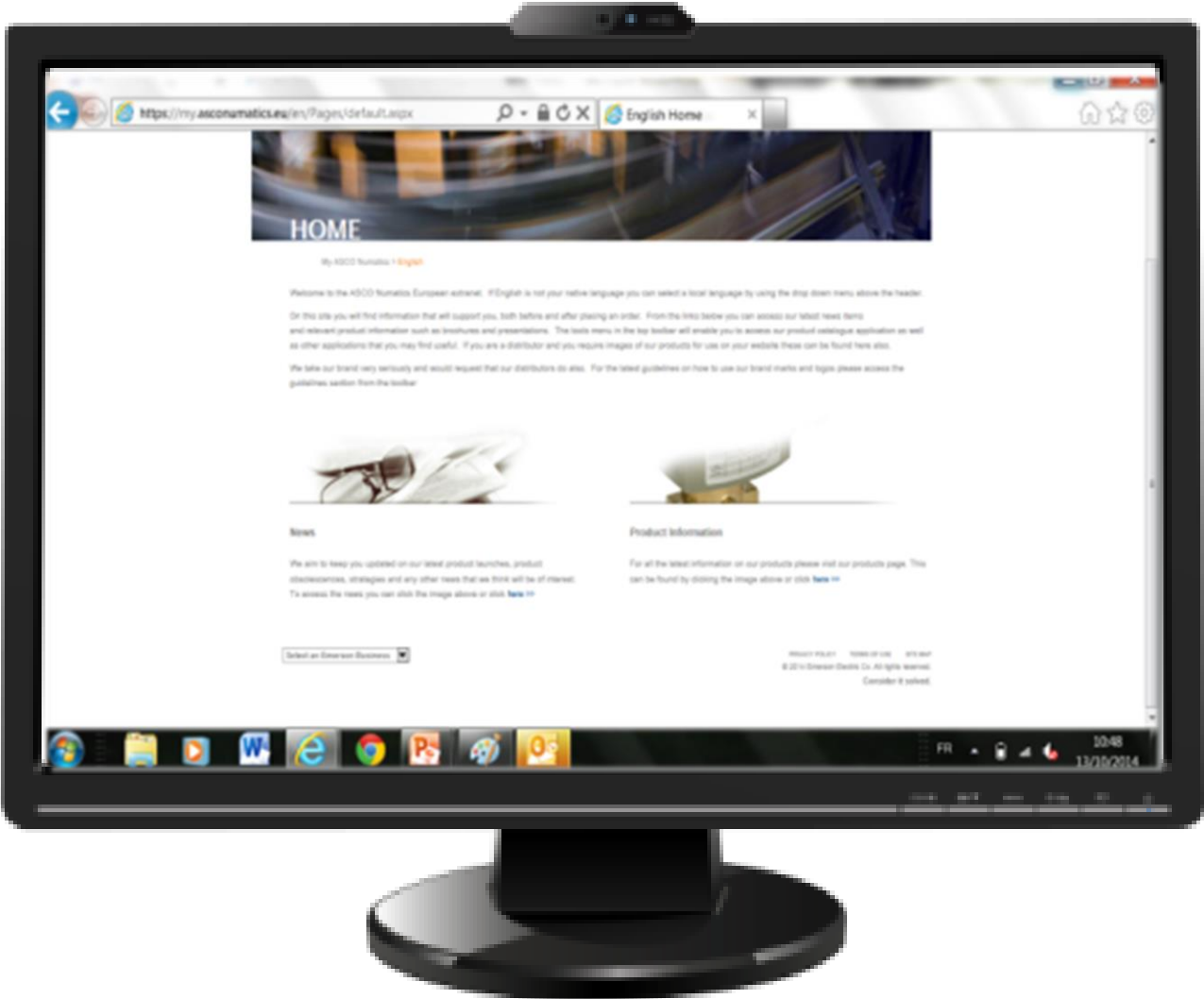


Web tools



- **Digital communication**
 - **Website**
 - Find information fast
 - The “Product catalogue”
- **My ASCO**
 - How do you access it?
 - Communication products
 - DPM
 - Order tracking
- **The catalogues**

Extranet My ASCO



My ASCO

- **Objective**

- Facilitate your day-to-day work
- It will save you time
- It will accompany you in the promotion of your product

- **Communication products**

- News and launching of new products
- Means of promotion: brochures, Powerpoint presentations, standards...
- Photos of products for download

- **Applications**

- Product Catalog for selecting “Express shipping” products
- Order Tracking to follow your orders
- DPM to configure our products and find their listing price

How to reach it?

The screenshot shows the top navigation bar of the ASCO website. The 'MY ASCO' link is highlighted with a green rectangular box. Below the navigation bar is a search bar with the placeholder text 'I'm looking for....' and a search icon. The main content area features a large banner image of an offshore oil rig with the text 'ASCO IN THE OIL & GAS INDUSTRIES' and 'For Upstream - Midstream and Downstream. Fluid Automation. Right. Now'. Below the banner are three columns of text and images: a paragraph about flow control, a photo of a 'New ASCO Numatics Series 580 CHARM Node' valve, a paragraph about website redirection, and a 'Latest News' section with two news items.



Click on “MY ASCO”

How to reach it?

EMERSON

ASCO™

Welcome to My ASCO™

✉ sineva@example.com

🔒 Parolă

Login

[Forgot Password? / Need Help?](#)

or

Employees Login

or

New Users

Create Account



Click on
“Employees
Login”

My ASCO - Home Page

ACCUEIL | MES LIENS | SITE PUBLIC | ACTUALITES | APPLICATIONS | DOCUMENTS | IMAGES | Recherche

FAST CLEAR THE DIAGNOSTICS RIGHT NOW.
ASCO Nutritional Biosciences offers top quality yeast extract for analytical and medical applications.

Bienvenue sur l'espace externe d'ASCO Europe.

Vous trouverez dans cet espace des informations qui vous seront utiles avant et après avoir passé vos commandes. Vous pouvez prendre connaissance des dernières actualités et des informations concernant nos produits telles que des présentations, les brochures disponibles, etc. Dans la barre d'outil du haut, vous pouvez aussi accéder à des applications telle que nos catalogues en ligne. Si vous êtes un de nos distributeurs, vous y trouvez également des photos de nos produits.

Nous accordons beaucoup d'importance à l'image de notre marque et nous attendons de nos distributeurs qu'ils en fassent de même. A cet effet, le guide d'utilisation de notre marque et de nos logos se trouve dans la barre d'outil.

ASCO™

Bienvenue Denis DOUCET

ASCO sur Twitter

At #analytica2016 this week? Visit ASCO Hall A1 Stand 217 to find more information on our valve customised solutions <https://t.co/DRhDpJG0i> 10 mai

Suivre @ASCO_EU

Dernières actualités ASCO

mai 18 ASCO augmente les capacités des lots de distribution pneumatique avec la nouvelle série de distributeurs 502

Toutes les actualités ASCO

Documents les plus récents

CPN_502Launch_FR.pdf

Tous les autres documents

Nouveaux produits

Spare parts kits

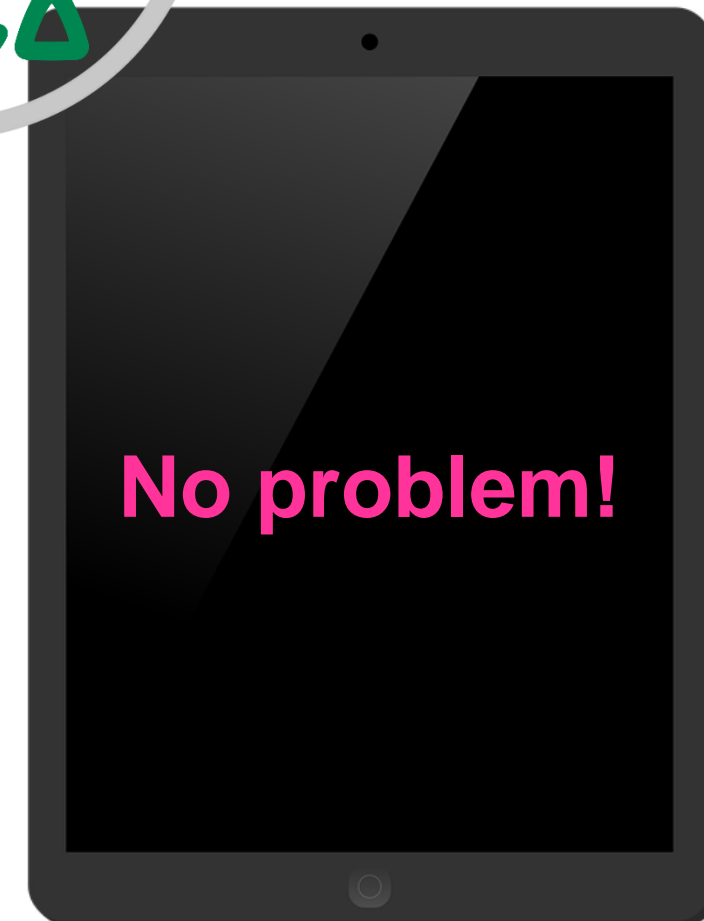
Voir le Product Catalog

Product catalog



**I want a solenoid
3/2 U 10 bar for air**

**Connection: G1/4,
seals: FPM, 230V
50hz**



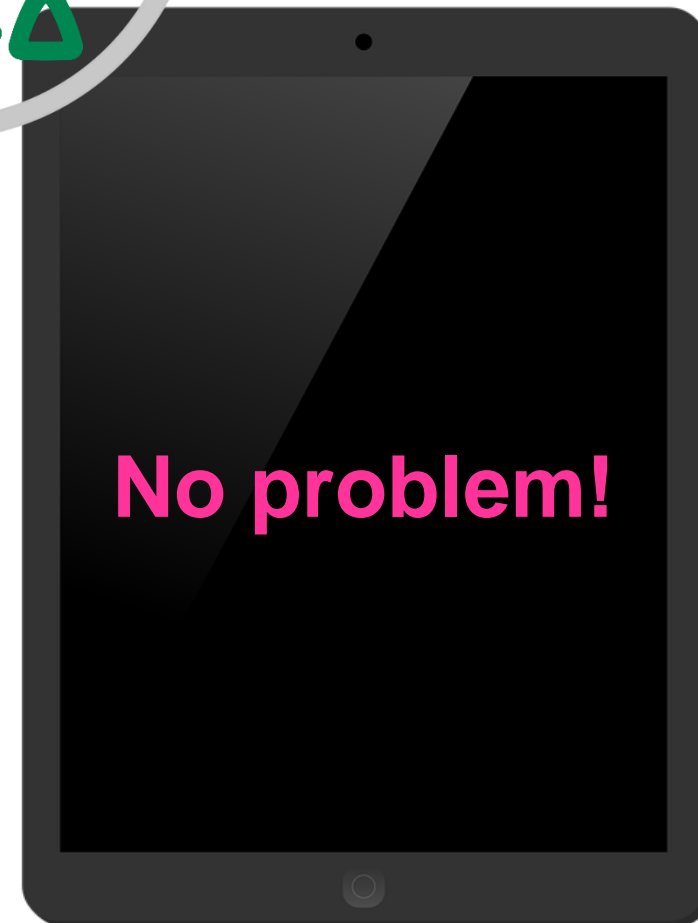
Product catalog



It is necessary to choose an

EXPRESS

product **FIRST!**



How to reach it?



Click on
Products

The screenshot shows the Emerson ASCO website. The 'Products' menu item is highlighted with an orange box. Below it, a dropdown menu lists various product categories:

- Solenoid & Pressure Operated Valves
- Valve Monitoring & Position Sensing
- Pneumatic Valves
- Cylinders & Actuators
- Air Preparation
- Accessories

Other menu items include Product Literature (Catalogue Pages, Certificates, Installation & Maintenance (I&M), Engineering Documentation, Downloads) and Product & CAD Config.

Below the navigation menu, there are three main content sections:

- ASCO — where flow control meets pneumatics to create fluid automation solutions that maximise efficiencies, optimise applications, and enable customers to fulfil their true potential.**
- Our extensive product lines include a broad range of solenoid valves, angle body piston valves, valve islands and manifolds, cylinders, filters, regulators, lubricators and accessories.**
- ASCO EXPRESS** (with image of a valve component and text: **New ASCO Numatics Series 580 CHARM Node**)
- ASCO Latest News** (with two news items dated 10.25.2017: **Come and join us at the Sitevi exhibition 2017** and **Emerson Demonstrate at Compamed How Manufacturers can Reduce Product Development time**)

Product catalog

Use the filters to refine your search



equipment, Cabinet & Panel Solutions

Wherever manufacturing or processing happens, more and more customers are encountering challenges that demand the comprehensive fluid automation solutions that only ASCO can deliver. By combining innovative technologies and cross-application expertise, ASCO's people create fluid control and pneumatic products and services that help customers maximise efficiencies, optimise applications, and transform ideas into measurable outcomes.

ASCO's fluid automation product lines include a wide variety of solenoid valves, angle body piston valves, pneumatic valves and manifolds, cylinders, air preparation equipment and a complete range of accessories. We develop engineered solutions that set the standards for a broad range of markets and applications — continually identifying opportunities for customers to realise their true potential.



Refine By Clear all

- Valve Actuation ▼
- Function ▼
- Body Material ▼
- Media ▼
- Pipe/Port Size ▼
- Port Type ▼
- Voltage ▼
- Frequency ▼
- Flow Range (Cv) ▼
- Max Op. Press. Air Range (Bar) ▼
- Operating Environment ▼
- Standard and Regulations ▼
- Solenoid Valve Type ▼
- Industry ▼

135 results



Solenoid Valve - 2/2 - Preciflow Proportional - Series 202

Media:	Pipe/Port Size:	Function:	Body Material:
Air, Inert Gas Oxygen	1/8 M5 Pad Mount	2/2 Normally Closed	Brass - Nickel Plated PVDF Stainless Steel



Solenoid Valve - 2/2 - Series 210

Media:	Pipe/Port Size:	Function:	Body Material:	Availability:
Air, Inert Gas Light Oil Water Aggressive Liquids/Gases Ammonia Cryogenic	1 1/2 2 1/2 3/4 3/8 1 1/2	2/2 2/2 Normally Closed 2/2 Normally Open	Brass Stainless Steel	



Solenoid Valve - 2/2-3/2 - Series 302


Media:	Pipe/Port Size:	Function:	Body Material:	Availability:
Air, Inert Gas	Pad Mount	3/2 Normally Closed 3/2 Normally Open	Engineered Plastics	




Solenoid Valve - 3/2 - Series 327

Media:	Pipe/Port Size:	Function:	Body Material:	Availability:
Air, Inert Gas Light Oil Water	1/2 1/4 3/8	3/2 Normally Closed 3/2 Universal 3/2 Normally Open	Brass Light Alloy Stainless Steel	


Product catalog



Select
CONTACT US
MY ASCO



[ASCO HOME](#) |
 [PRODUCTS & SOLUTIONS](#) |
 [INDUSTRY EXPERTISE](#) |
 [TOOLS](#) |
 [NEWS](#) |
 [ABOUT](#)




Products & Solutions

Fluid Control, Motion Control & Pneumatic Systems.



Solenoid & Pressure Operated Valves, Pneumatic Valves, Proportional Valves, Cylinders & Actuators, Air Preparation equipment, Cabinet & Panel Solutions

Wherever manufacturing or processing happens, more and more customers are encountering challenges that demand the comprehensive fluid automation solutions that only ASCO can deliver. By combining innovative technologies and cross-application expertise, ASCO's people create fluid control and pneumatic products and services that help customers maximise efficiencies, optimise applications, and transform ideas into measurable outcomes.

ASCO's fluid automation product lines include a wide variety of solenoid valves, angle body piston valves, pneumatic valves and manifolds, cylinders, air preparation equipment and a complete range of accessories. We develop engineered solutions that set the standards for a broad range of markets and applications — continually identifying opportunities for customers to realise their true potential.




Refine By [Clear all](#) 1 results

Valve Actuation Solenoid - Direct Acting			Media:	Pipe/Port Size:	Function:	Body Material:	Availability:
Function 3/2 Universal			Air, Inert Gas	1/4	3/2 Universal	Brass	
Body Material			Light Oil	1/2	3/2 Normally Closed	Aluminum	
Media Air, Inert Gas			Water		3/2 Normally Open	Stainless Steel	
Pipe/Port Size 1/4			CO2				
Port Type G ISO228/1-G BSPP							
Voltage 230 AC							
Frequency							
Flow Range (Cv)							
Max Op. Press. Air Range (Bar) 10.3 to 34.5							

Vacuum to 10.3
 10.3 to 34.5

Product catalog

Customer Ratings and Reviews

[View All](#)

Don't see what you need below?
 Create your own valve...

327 Valve Configurator




QUESTIONS? CONTACT US

Refine By [Clear all](#)

- Valve Actuation**
 Solenoid - Direct Acting
- Function**
 3/2 Universal
- Body Material**
- Media**
 Air, Inert Gas
- Pipe/Port Size**
 1/4
- Port Type**
 G ISO228/1-G BSPP
- Voltage**
 230 AC
- Frequency**
 50
- Flow Range (Cv)**

100 results

Sort by Relevance ▾

	SCG327A645 230/50-60	<p>Voltage: 230 AC Media: Air, Inert Gas Valve Actuation: Solenoid - Direct Acting Pipe/Port Size: 1/4 Min Op. Press. Air (Bar): 0 Max Op. Press. Air (Bar): 10</p>	<p>Function: 3/2 Universal</p>	<p>Body Material: Brass</p>	<p>5DAY Get Quote Distributor near you</p>
<input type="checkbox"/> Add to compare					
	NFXG327A646 230/50-60 18460	<p>Voltage: 230 AC Media: Air, Inert Gas Valve Actuation: Solenoid - Direct Acting Pipe/Port Size: 1/4 Min Op. Press. Air (Bar): 0 Max Op. Press. Air (Bar): 10</p>	<p>Function: 3/2 Universal</p>	<p>Body Material: Stainless Steel</p>	<p>5DAY Get Quote Distributor near you</p>
<input type="checkbox"/> Add to compare					
	NFG327A646 230/50-60	<p>Voltage: 230 AC Media: Air, Inert Gas Valve Actuation: Solenoid - Direct Acting Pipe/Port Size: 1/4 Min Op. Press. Air (Bar): 0 Max Op. Press. Air (Bar): 10</p>	<p>Function: 3/2 Universal</p>	<p>Body Material: Stainless Steel</p>	<p>5DAY Get Quote Distributor near you</p>



Product news

EMERSON

ASCO HOME | PRODUCTS & SOLUTIONS | INDUSTRY EXPERTISE | TOOLS | NEWS | ABOUT

I'm looking for....

Search...

ASCO IN THE OIL & GAS INDUSTRIES
For Upstream - Midstream and Downstream. Fluid Automation. Right. Now

ASCO — where flow control meets pneumatics to create fluid automation solutions that maximise efficiencies, optimise applications, and enable customers to fulfil their true potential.

Our extensive product lines include a broad range of solenoid valves, angle body piston valves, valve islands and manifolds, cylinders, filters, regulators, lubricators and accessories.

New ASCO Numatics Series 580 CHARM Node

ASCO EXPRESS

Do you need your products fast?

A fast and reliable delivery of components is essential for minimising downtime and delivering projects on schedule. ASCO Express guarantees short term deliveries for an extensive range of our most popular products, including cylinders, solenoid valves, pneumatic valve islands, and air preparation products.
[Learn more>>](#)

ASCO™

Latest News

10.25.2017
[Come and join us at the Sitevi exhibition 2017](#)

10.25.2017
[Emerson Demonstrate at Compamed How Manufacturers can Reduce Product Development time and Optimise Machine Design](#)

LEARN | CONFIGURE | BUY



Click on “MY ASCO”

Product news

Click



EMERSON English EMERSON.COM CONTACT US

HOME | **PRODUCTS** | CUSTOMERS | SUPPLY CHAIN | ADMINISTRATION | LINKS | LOG OUT

Please be advised of scheduled maintenance during the following hours where you may experience limited functionality to My ASCO and its applications:
START: 19-Nov-2017, 11:30 PM (EST) / 20-Nov-2017, 05:30 AM (CET) - END: 20-Nov-2017, 01:30 AM (EST) / 07:30 AM (CET)

Proportional Control

ASCO Numatics proportional valves are suitable for a range of applications in machine control, basic processes and simple or complex hydro-pneumatic systems

Welcome to my.asco.com !
Here you will find information that will support you, both before and after placing an order.
The top menu enables access to product information, as well as other applications that you may find useful.

NEW ASCO PRODUCT OVERVIEW BROCHURE
ASCO offers the most comprehensive line of fluid control solutions for a wide range of industry-focused applications.
[Learn more](#)

Message

RIGHT. NOW.

ASCO Numatics Fluid Automation Solutions

Customers need solutions, not excuses. Our fluid automation solutions must operate perfectly, right from the start. And be delivered and supported on time, every time. Success is measured by the minute. Assets must perform for a lifetime. That's what we mean by Right. Now.

What You Can Do

As a member of the ASCO Numatics team, make sure our message gets delivered. Whenever you talk about the company with customers, prospects, or people in your community, explain how we do it **Right** and we do it **Now**.

ASCO

EMERSON

Product news

EMERSON

English

EMERSON.COM CONTACT US

HOME | PRODUCTS | CUSTOMERS | SUPPLY CHAIN | LINKS | LOG OUT

Search...

Archives

- November
- October
- September
- August
- OLDER POSTS

Categories

- Marketing information
- Product In focus
- Product launch
- Product obsolescence
- Product Update
- Win Lead

EPN-Update: New air preparation panel adapter improves the ease of mounting

European Product News - Update

Overview:

We are pleased to offer a new panel adapter assembly kit for the 652 series air preparation products. The panel adapter makes it easy for customers to mount the manifold inside the cabinet, outside, or a combination of both, with some components outside and some inside. For example, the safety shutoff can be mounted outside and other 652 products, such as the regulator, inside. This means that people who don't have a cabinet key, and thus should not have access to the internals of the cabinet, are unable to adjust the products inside the cabinet, which in this case is the regulator. However, they can still shutdown the cabinet at the end of a shift or if there is an emergency.

P1 is the port without seals
P2 is the port with seals

Select what you want



Product news

Product obsolescence - News

EMERSON

English

EMERSON.COM CONTACT US

HOME | PRODUCTS | CUSTOMERS | SUPPLY CHAIN | LINKS | LOG OUT

Search...

Categories

- Marketing information
- Product In focus
- Product launch
- Product obsolescence
- Product Update
- Win Lead

Archives

- November
- October
- September
- August
- OLDER POSTS

EPN-Obsolete: Obsolescence plans for spool valve subbases

EPN-Obsolescence: Reminder - Obsolescence plan 307 series and NA/NB solenoids

G2-2 electronics obsolescence plan

EPN-Obsolescence: G2-2 electronics obsolescence plan

Obsolescence of ASCO 833-358 Series

EPN-Obsolescence: ASCO 833-358 Series MODULAIR 112: PRICE INCREASE AS PART OF OBSOLESCENCE

EPN-Obsolescence: Modulair price increase

EPN-Obsolete: Sirai L113 Series rationalisation

Product News: Discontinuation of General Purpose Valves with JMX coils

1 - 10

Terms and Conditions of Use | Privacy Policy | Safety | Copyright ©2017 Emerson Electric Co. All rights reserved. Consider it solved.

EMERSON

Use the filters to refine your search



Product news

The screenshot shows the Emerson website's product news section. At the top left is the Emerson logo. To its right is a language dropdown menu set to 'English', followed by 'EMERSON.COM' and 'CONTACT US' links, and social media icons for Facebook, LinkedIn, Twitter, and YouTube. Below this is a navigation bar with links for HOME, PRODUCTS, CUSTOMERS, SUPPLY CHAIN, LINKS, and LOG OUT. On the right side of the page is a search bar with a magnifying glass icon. The main content area features a sidebar on the left with 'Categories' (Marketing information, Product In focus, Product launch, Product obsolescence, Product Update, Win Lead) and 'Archives' (November, October, September, August, OLDER POSTS). The main article title is 'MODULAIR 112: PRICE INCREASE AS PART OF OBSOLESCENCE'. Below the title is a photograph of the Modulair 112 FRL assembly. The article text includes an 'Overview' section stating that the product will be obsolete by the end of 2016 with a 30% price increase effective from 1st March 2016. It also includes an 'Affected Products' section for the Modulair 112, a 'Replacement product' section for the 652 Series, and a concluding paragraph about shorter delivery times and improved product design. The footer of the article says 'For further details please visit our website or contact your local representative.'

EMERSON.

English

EMERSON.COM CONTACT US

HOME | PRODUCTS | CUSTOMERS | SUPPLY CHAIN | LINKS | LOG OUT

Search...


Categories

- Marketing information
- Product In focus
- Product launch
- Product obsolescence
- Product Update
- Win Lead

Archives

- November
- October
- September
- August
- OLDER POSTS

MODULAIR 112: PRICE INCREASE AS PART OF OBSOLESCENCE



Overview:

Following the launch of the 652 Series FRL in September 2015, the legacy product Modulair 112 will be made obsolete, with the final phase out to be completed by the end of 2016.

As part of this obsolescence there is a 30% price increase on the list price, effective from **1st March 2016**.

Affected Products:

Modulair 112: This product has up until recently been available on Express Fast Ship from Italy, but will now become a 'Made To Order' product

Replacement product:

652 Series: The 652 Series' top-selling items are available on the Same-Day program from Lucé, France.

We will be shortening the delivery times for all Express Fast Ship items down to 5 working days from the Lodz factory, including FRL assemblies, also before 1st March 2016.

With the replacement product we are offering shorter delivery times, more competitive pricing, and a product design with improved versatility and flow vs. size.

For further details please visit our website or contact your local representative.

Downloading a document

The screenshot shows the Emerson website interface. At the top, there is a navigation bar with the Emerson logo, a language selector set to 'English', and links for 'EMERSON.COM' and 'CONTACT US'. Below this is a secondary navigation bar with links for 'HOME', 'PRODUCTS', 'CUSTOMERS', 'SUPPLY CHAIN', 'ADMINISTRATION', 'LINKS', and 'LOG OUT'. A search bar is located on the right side of this bar. Below the navigation bar, there is a grid of links including 'ASCO Numatics Webinars', 'Contact Chart', 'Distributor Handbook', 'EMEA Documents', 'EMEA Image Library', 'EMEA News', and 'Order Status'. The 'EMEA Documents' link is highlighted with an orange box, and its dropdown menu is open, showing options: 'Brochures', 'Launching Notes', 'Other', and 'Presentations'. Below the navigation bar is a banner for ASCO Numatics proportional valves. The main content area features a 'Welcome to my.asco.com!' message and a 'Message' section with the headline 'RIGHT. NOW.' and sub-headline 'ASCO Numatics Fluid Automation Solutions'. A 'NEW ASCO PRODUCT OVERVIEW BROCHURE' is also featured with a 'Learn more' link.



Click on the document type you want

Downloading a document

Type 290 in the search bar to locate all documents that are stored in connection with this series





The screenshot shows the Emerson website interface. At the top, there is the Emerson logo, a language dropdown menu set to 'English', and links for 'EMERSON.COM' and 'CONTACT US'. Below this is a navigation menu with 'HOME', 'PRODUCTS', 'CUSTOMERS', 'SUPPLY CHAIN', 'ADMINISTRATION', 'LINKS', and 'LOG OUT'. A search bar is located on the right side of the navigation menu. The main content area features a large image of industrial machinery with the word 'BROCHURES' overlaid. Below the image, there is a breadcrumb trail: 'My ASCO > English > Brochures'. A search bar is highlighted with a green box, containing the text '290'. To the right of the search bar are icons for search, refresh, and close. Below the search bar, there is a table with columns: 'Thumbnail', 'Name', 'Document Language', 'Product series', 'Directives and standards', and 'Segment'. The table content is as follows:








Thumbnail	Name	Document Language	Product series	Directives and standards	Segment
▶	Brochure type : Application	(4)			
▶	Brochure type : Corporate	(2)			
▶	Brochure type : Product	(90)			
▶	Brochure type : Segment	(28)			

At the bottom of the page, there are links for 'Terms and Conditions of Use', 'Privacy Policy', and 'Safety', followed by a copyright notice: 'Copyright ©2017 Emerson Electric Co. All rights reserved. Consider it solved.' The Emerson logo is also present in the bottom right corner.

Downloading a document

My ASCO > English > Brochures

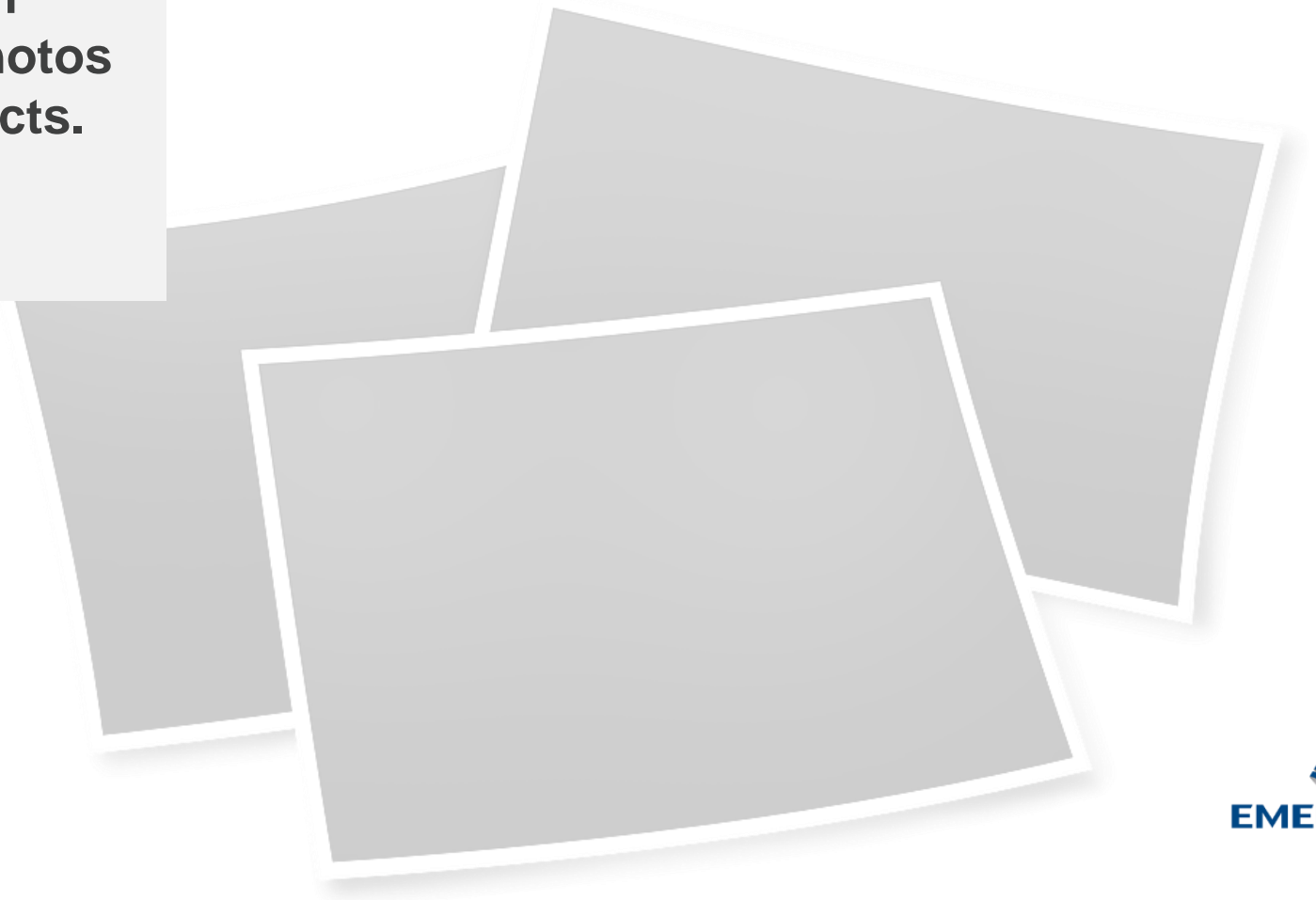
290  

Thumbnail	Name	Document Language	Product series	Directives and standards	Segment
Brochure type : Product (10)					
	Brochure_M12_Connectors	EN	290; 342; 453; 494; 608; 609		Industrial, General & Speciality
	Brochure_M12_Connectors	EN	290; 342; 453; 494; 608; 609		Industrial, General & Speciality
	Brochure_290_motorised_valves_en	EN	290		
	Brochure_290_motorised_valves_en	EN	290		
	Brochure_290-390_Pressure_operated_valves_en	EN	290; 390		Commercial; Industrial, General & Speciality; Process
	Brochure_290-390_Pressure_operated_valves_en	EN	290; 390		Commercial; Industrial, General & Speciality; Process
	Brochure_290-390_Proportional_valves_en	EN	290; 390		Car; Industrial, General & Speciality; Commercial; Process
	Brochure_290-390_Proportional_valves_en	EN	290; 390		Car; Industrial, General & Speciality; Commercial; Process
	Elver_290_for_food_contact - regulation EC 1935-	EN	290		Process

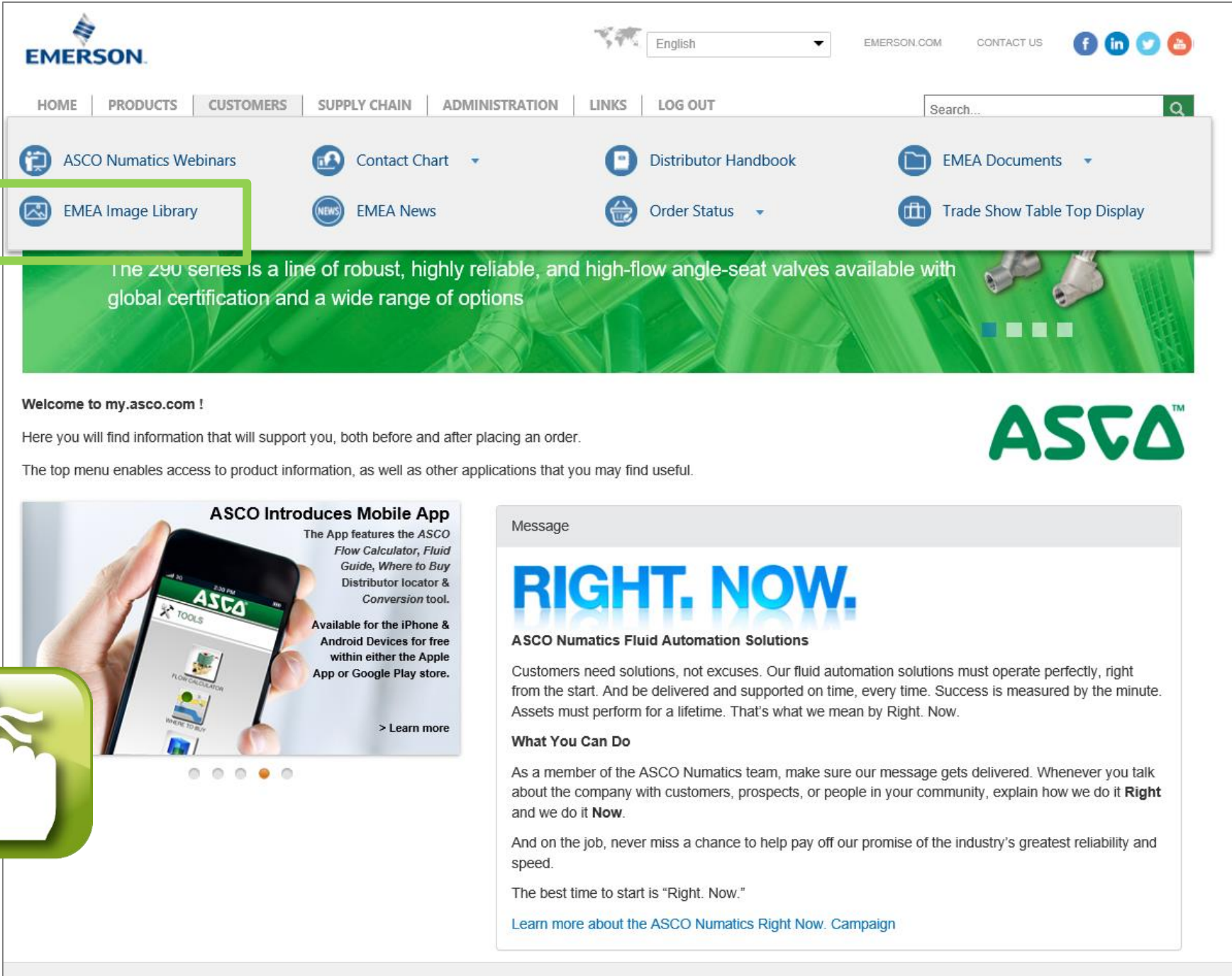
Photolibrary



For my next commercial brochure, I am looking for photos of your products. Can you send them to me?



Downloading a document



The screenshot shows the Emerson website interface. At the top, there is the Emerson logo, a language dropdown menu set to 'English', and links for 'EMERSON.COM' and 'CONTACT US'. Below this is a navigation bar with links for 'HOME', 'PRODUCTS', 'CUSTOMERS', 'SUPPLY CHAIN', 'ADMINISTRATION', 'LINKS', and 'LOG OUT'. A search bar is located on the right side of the navigation bar. A secondary menu below the navigation bar contains several options: 'ASCO Numatics Webinars', 'EMEA Image Library' (highlighted with a green box), 'Contact Chart', 'EMEA News', 'Distributor Handbook', 'Order Status', 'EMEA Documents', and 'Trade Show Table Top Display'. Below the navigation is a green banner with text: 'The Z90 series is a line of robust, highly reliable, and high-flow angle-seat valves available with global certification and a wide range of options'. Further down, there is a 'Welcome to my.asco.com!' message, followed by a paragraph: 'Here you will find information that will support you, both before and after placing an order. The top menu enables access to product information, as well as other applications that you may find useful.' To the right of this message is the ASCO logo. Below the welcome message is a section titled 'ASCO Introduces Mobile App' with a sub-header 'ASCO Introduces Mobile App'. The text describes the app's features: 'The App features the ASCO Flow Calculator, Fluid Guide, Where to Buy Distributor locator & Conversion tool. Available for the iPhone & Android Devices for free within either the Apple App or Google Play store.' A 'Learn more' link is provided. To the right of this section is a 'Message' box with the heading 'RIGHT. NOW.' and the sub-heading 'ASCO Numatics Fluid Automation Solutions'. The message text reads: 'Customers need solutions, not excuses. Our fluid automation solutions must operate perfectly, right from the start. And be delivered and supported on time, every time. Success is measured by the minute. Assets must perform for a lifetime. That's what we mean by Right. Now.' Below this is a section titled 'What You Can Do' with the text: 'As a member of the ASCO Numatics team, make sure our message gets delivered. Whenever you talk about the company with customers, prospects, or people in your community, explain how we do it Right and we do it Now. And on the job, never miss a chance to help pay off our promise of the industry's greatest reliability and speed. The best time to start is "Right. Now."' A link is provided: 'Learn more about the ASCO Numatics Right Now. Campaign'.

Click on « image library »



Photolibrary

We use cookies to give you the best online experience. By using our website you agree to our use of cookies in accordance with our cookie policy. [OK](#) [Learn more here](#)

EMERSON English EMERSON.COM CONTACT US

HOME | PRODUCTS | CUSTOMERS | SUPPLY CHAIN | ADMINISTRATION | LINKS | LOG OUT

Search...



My ASCO > English > Images

Enter a keyword

Name

Enter the series number you want



Photolibrary

You can download photos of the main products here.



EMERSON Industrial Automation

English

EMERSON.COM CONTACT US Search Search

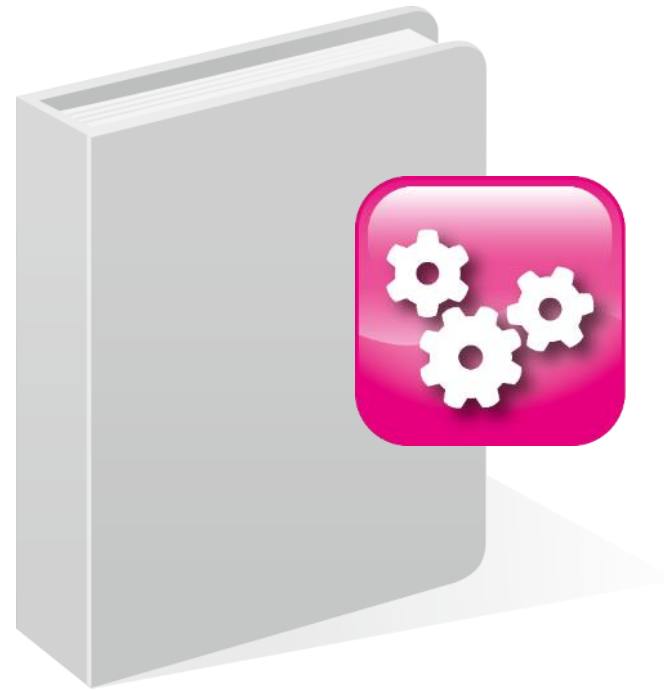
HOME PUBLIC SITE NEWS APPLICATIONS PRODUCT INFORMATION IMAGE LIBRARY GUIDELINES

IMAGES

My ASCO Numerics > English > Images

Name	Product series
89 Series Pilot solenoid valve - no	189 Series Pilot solenoid valve with
190 Series Pilot solenoid valve with	192 Series Pilot solenoid valve - no
192 Series Pilot solenoid valve with	192 Series Pilot solenoid valve with
10 Series Solenoid valve	210 Series Solenoid valve
220 Series Solenoid valve	222LT Series Solenoid valve
238 Series Solenoid valve	256 Series solenoid valve
256 Series solenoid	261 Series 3/2 NC
261 Series 3/2 NC air	261 Series 4/2 NC
261 Series 4/2 NC air	262 Series Solenoid

Product catalog



I am looking for a valve with the code E290A001



DPM

We use cookies to give you the best online experience. By using our website you agree to our use of cookies in accordance with our cookie policy. [OK](#) [Learn more here](#)

EMERSON English EMERSON.COM CONTACT US

HOME PRODUCTS CUSTOMERS SUPPLY CHAIN ADMINISTRATION LINKS LOG OUT Search...

Configurators Flow Calculator Kit Search Literature
Product Availability Product Catalogue Product Master

- ASCO 362/562 Series US
- ASCO 8262/8263 Series US
- ASCO 8314 Series US
- ASCO 8364 Series US
- ASCO RCS DPM Sales Tool EMEA**
- DPM Sales Tool EMEA
- DPM Sales Tool US
- TopWorx

ASCO Numatics proportional valves are suitable for a range of applications in machine control, and simple or complex hydro-pneumatic systems

ASCO

ASCO Introduces Mobile App
The App features the ASCO Flow Calculator, Fluid Guide, Where to Buy Distributor locator & Conversion tool.
Available for the iPhone & Android Devices for free within either the Apple App or Google Play store.
> Learn more

Message
RIGHT. NOW.
ASCO Numatics Fluid Automation Solutions
Customers need solutions, not excuses. Our fluid automation solutions must operate perfectly, right from the start. And be delivered and supported on time, every time. Success is measured by the minute. Assets must perform for a lifetime. That's what we mean by Right. Now.
What You Can Do
As a member of the ASCO Numatics team, make sure our message gets delivered. Whenever you talk about the company with customers, prospects, or people in your community, explain how we do it **Right** and we do it **Now**.
And on the job, never miss a chance to help pay off our promise of the industry's greatest reliability and speed.
The best time to start is "Right. Now."
[Learn more about the ASCO Numatics Right Now. Campaign](#)

Select « DPM Sales tool »








DPM

Select Current price list

DPM

QUICK LINKS

-  [Home](#)
-  [Terms and Conditions](#)
-  [Quote List](#)
-  [Options](#)
-  [Help](#)

Production Lead Time : Shipment from the production site within indicated number of working days
Express Same Day : Shipment from the production site within one working day for up to 25 pieces
Express Fast Ship : Fast Ship: shipment from the production site within 10 working days for up to 25 pieces
MTOXX : Make to order product XX. shipment from the production site within XX working days

Order Code: **Commercial code:**

Our system could not locate this model number. Please contact customer service for assistance [CLICK HERE](#)



Enter your product code. If the code is unknown to the system, return to the home page.








DPM

Select “old code , new code”

DPM

QUICK LINKS

-  [Home](#)
-  [Terms and Conditions](#)
-  [Quote List](#)
-  [Options](#)
-  [Help](#)

Old Code : **New Code :**

Old Code	New Code
E290A001PD	E290B001PD
E290A001	E290B001

[Previous](#) | [Next](#)

DPM

Home Solenoid and Pressure Operated Valves Miniature Valves Cylinders Valves & Fieldbus Proportional Air Preparation PLWS

English

ASCO™

Welcome to the DPM Sales Tool

Logout

Enter Model Number
ENTER PART# SEARCH

Enter Single Assembly Number
ENTER PART# SEARCH

Quote List Options
Current Price List Terms and Conditions
Upload Price Files Old Code New Code
Feedback Help

EMERSON << Previous | Next >> Sales Tool



Enter the new code

QUICK LINKS [Home](#) [Terms and Conditions](#) [Quote List](#) [Options](#) [Help](#)

Production Lead Time : Shipment from the production site within indicated number of working days
Express Same Day : Shipment from the production site within one working day for up to 25 pieces
Express Fast Ship : Fast Ship: shipment from the production site within 10 working days for up to 25 pieces
MTOXX : Make to order product XX. shipment from the production site within XX working days

Order Code: Commercial code:

Order Code	Commercial code	Description	Status	Production Lead Time	Price	Add Items to Quote	Show Quote (0)	Product Line	Price Code
E290B001	E290B001	PRESSURE OPERATED ASCO VALVE SERIES 290 VALVE 2/2 NC BRONZE ENTRY UNDER DISC G 1/2 D=15 OPERATOR D=63 PILOT PRESSURE 1,5 BAR		EXP. Fast Ship	163,10	ADD TO QUOTE		FC	C03
E290B001PD	E290B001PD	VANNE ASCO PROPORTIONNELLE E290B001PD 2/2 NF CORPS BRONZE PN16 DN15 G1/2 ARRIVEE FLUIDE SOUS CLAPET, PRESSE ETOUPE CHEVRONS PTFE TETE DE COMMANDE= 63, PRESSION DE PILOTAGE 1,5 BAR		MTO10	224,30	ADD TO QUOTE		FC	C03
E290B001PDB64	E290B001PDB64			Consult My ASCO Team	948,10	ADD TO QUOTE		FC	C03

[Previous](#) | [Next](#)

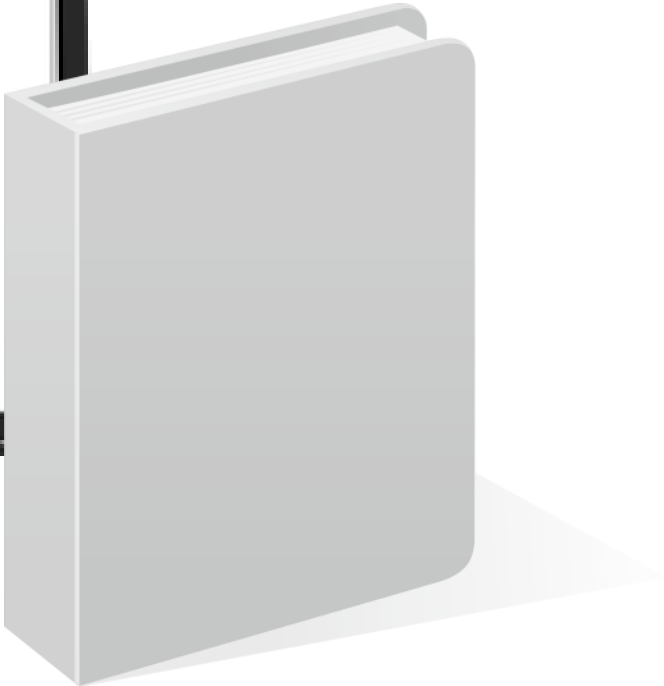
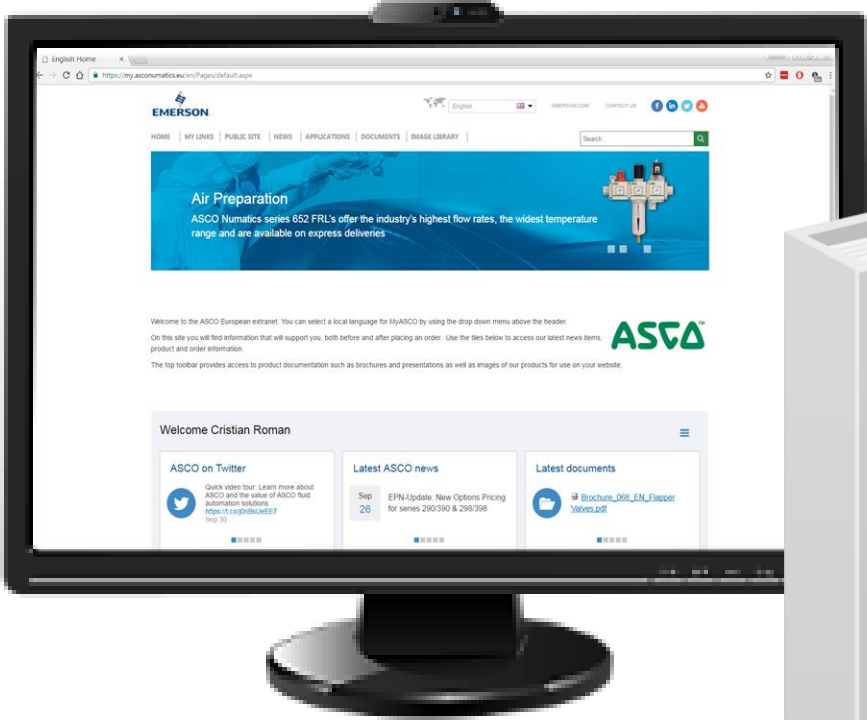


Using the ASCO print catalogue

Understanding catalogue numbers




The structure of the digital and paper catalogues is identical



Understanding catalogue numbers

INFORMATIONS GENERALES ET TECHNIQUES <small>Correspondance code-page</small>	A
ELECTROVANNES / VANNES PROPORTIONNELLES	B
ELECTROVANNES 2/2	C
VANNES 2/2	D
ELECTROVANNES 3/2	E
VANNES 3/2	F
DISTRIBUTEURS 4/2, 5/2 ET 5/3	G
FLUIDES SPECIFIQUES & APPLICATIONS <small>FLUIDES SPECIFIQUES: Eau chaude et vapeur (901), Gaz combustibles et fuels (902), Cryogénie (903), Service vide (904) APPLICATIONS: Industrie de process (905), Aseptiques (906), Découpage de filtres (907), Médical Analyse (908), Distribution de carburants (909)</small>	H
MATERIEL POUR ATMOSPHERES EXPLOSIBLES	I
TETES MAGNETIQUES, BOBINES & ACCESSOIRES	J
ILOTS DE DISTRIBUTION <small>Pilotage de vannes</small>	K

Chapters



I want to search for a 2/2 solenoid valve

Using the ASCO physical catalogue

VANNES 2/2 A COMMANDE MOTORISEE A COMMANDE PAR PRESSION

Sommaire




Tableau détaillé de sélection page 2-3

Fonction	Δ P (bar)		Température (°C)		Ø raccordement	Série	Page	
	min.	max.	min.	max.				
A COMMANDE MOTORISEE								
CORPS ACIER INOX								
	0	6	-10	+145	Vannes motorisées	3/8, 3/4	E290 V406	
A COMMANDE PAR PRESSION								
CORPS BRONZE								
NF-NO	0	16	-10	+184	(CEI1508)	3/8, 2 1/2	E290 V410	
NF-NO	0	16	-10	+184	Brides (CEI1508)	DN 25, 50	T290 V431	
NF-NO	0	16	-10	+184		1/2, 2	165 (ADT8T) V473	
NF	0	16	-10	+184	Brides	DN 15, 80	165 (AD68T) V474	
CORPS ACIER INOX								
NF-NO	0	16	-10	+184	(CEI1508)	1/2, 2 1/2	E290 V410	
NF-NO	0	16	-10	+184	Flans (CEI1508)	1/2, 1	U290 V412	
NF-NO	0	16	-10	+184	Flans, raccords alimentaires DN 11851 (CEI1508)	RD 28x1/8, 44x1/8	Y290 V414	
NF-NO	0	16	-10	+184	Clamp / à souder (CEI1508)	DN 10, 65	S290 V420	
NF-NO	0	40	-25	+250	(CEI1508)	1/2, 2	E298 V451	
NF-NO	0	40	-25	+250	Brides (DN et ANSI Class 300) (CEI1508)	DN 15, 50	T296 V453	
NF-NO	0	40	-25	+250	Emboîtement soude (CEI1508)	DN 15, 50	S298 V455	
NF-NO	0	40	-20	+100	Coaxiale	3/8, 1	287 V471	
CORPS ACIER INOX, CONFORME AU REGLEMENT (CE) N° 1935-2004								
NF-NO	0	16	-10	+184		1/2, 2 1/2	E290 V411	
NF-NO	0	16	-10	+184	Clamp / à souder (CEI1508)	DN 10, 65	S290 V422	
CORPS LAITON								
NF-NO	0	40	-20	+100	Coaxiale	3/8, 1	287 V471	
ACCESSOIRES ET OPTIONS								
Options et accessoires pour séries 290/390 (standard VATEX 201404UE)							-	V435/V436
Options et accessoires pour séries 290/390 (standard VATEX 201404UE)							-	V459/V461
Echangeur airtube pour vannes type AD							218	V479
PILOTAGE DE VANNES								
Solutions de pilotage de vannes							290/390	V437
Electrovannes 189/390 et 356 - pour sites Ø 32, 50 et 63 mm / Electrovannes 356 et 314 - pour sites Ø 80 et 125 mm							290/390	V439/V444
Electrovannes 356 - pour sites Ø 80 et 100 mm / Electrovannes 314 et 356 - pour sites Ø 150 et 200 mm							298/398	V467/V469
Electrovannes 314 - pour vannes type AD							AD	V480

(Atmosphères explosibles, voir page 4)

Consulter notre documentation sur : www.ascomatics.eu

V400-1

ASCO

Sélection du Matériel - VANNES 2/2

type de raccordement	corps		pression différentielle max. admissible (bar)	type de raccordement		consommation puissance (W)	page
	à souder	à brides		à souder	à brides		
10	15	20	16	10	-10	12	E290 V406
10	15	20	16	10	-10	12	E290 V410
10	15	20	16	10	-10	12	E290 V411
10	15	20	16	10	-10	12	U290 V412
10	15	20	16	10	-10	12	Y290 V414
10	15	20	16	10	-10	12	S290 V420
10	15	20	16	10	-10	12	S290 V422
10	15	20	16	10	-10	12	T290 V431
10	15	20	16	10	-10	12	E298 V451
10	15	20	16	10	-10	12	T296 V453
10	15	20	16	10	-10	12	S298 V455
10	15	20	16	10	-10	12	V473 (ADT8T)
10	15	20	16	10	-10	12	V474 (AD68T)
10	15	20	16	10	-10	12	V471 (coaxiale)

Consulter notre documentation sur : www.ascomatics.eu

V400-2



This information helps you find a product quickly.



Searching for a code

ASCO™				GENERAL INFORMATION			
				Catalogue number page			
CATALOGUE NUMBER	PAGE	CATALOGUE NUMBER	PAGE	CATALOGUE NUMBER	PAGE	A	
Prefix	Suffix						
	AP1	V435-2	● V459-3	093200-001	V345-2		
	AP2	V435-2	V435-3	093200-001	V904-15-2		
	AP3	V435-2	SM2 ● V459-3	100835-001	V345-2		
	AP4	V435-2	SU ● V435-3	10800001	V295-1		
	AP4	V436-2	VI V435-2	10800003	V295-1		
	B64	● V162-1	VM V435-2	10800004	V295-1		
	B65	● V162-1	V436-2	10800006	V295-1		
	B66	● V162-1	● V1046	10800016	V295-1		
	B67	● V162-1	V1047	10800019	V295-1		
	B68	● V162-1	● V1054	10900001	V590-1		
	B69	● V162-1	● V1008	10900003	V590-1		
	B70	● V162-1	V1010	10900004	V590-1		
	B71	● V162-1		10900006	V590-1		
	B72	● V162-1		10900017	V590-1		
	B73	● V162-1		10900029	V590-1		
	B74	● V162-1		10900040	V590-1		
	B75	● V162-1		10900043	V590-1		
EM	FW	V1047-1		123664-017	V572-1		
	FW	● V209-2		12600013	V905-23		
	GD	● V504-2		12600014	V905-23		
	GD	V606-2		12600017	V905-23		
	GD	V820-2		12600018	V905-23		
	GD	V860-2		12600019	V905-23-1		
	GD2	V436-1		12600020	V905-23-1		
	GD2	V461-1		12600023	V905-23-1		
	GD2	V471-1		12600024	V905-23-1		
	GD2	V770-1		12600057	V905-23-1		
	GD3	V436-1		12600058	V905-23-1		
	L	V461-2		12600059	V905-23-1		
	M	V435-2		12600060	V905-23-1		
	MF	V606-2		12660024	● V905-23-1		
	MF	V820-2		12660025	● V905-23-1		
	MF	V821-2		12660026	● V905-23-1		
	MF	V860-2		12660027	● V905-23-1		
	MF	V862-2		12660036	● V905-23-1		
	MS	V435-2		12660037	● V905-23-1		
	N	V435-2		12660038	● V905-23-1		
	N	V436-2		12660039	● V905-23-1		
LI		● V1054-1		162950-001	V550-3		
LISC		● V1057-1		16500087	V473-1		
LPKF		● V1008-1		16500088	V473-1		
NF		V1010-1		16500089	V473-1		
	NI	V435-2		16500090	V473-1		
	NI	V436-2		16500091	V473-1		
	PDB64	V162-1		16500092	V473-1		
	PDB65	V162-1		16500093	V474-1		
	PDB66	V162-1		16500094	V474-1		
				16500095	V474-1		
				16500096	V474-1		
				16500097	V474-1		

CATALOGUE NUMBER	PAGE
093200-001	V345-2
093200-001	V904-15-2
100835-001	V345-2
10800001	V295-1
10800003	V295-1
10800004	V295-1
10800006	V295-1
10800016	V295-1
10800019	V295-1
10900001	V590-1
10900003	V590-1
10900004	V590-1
10900006	V590-1

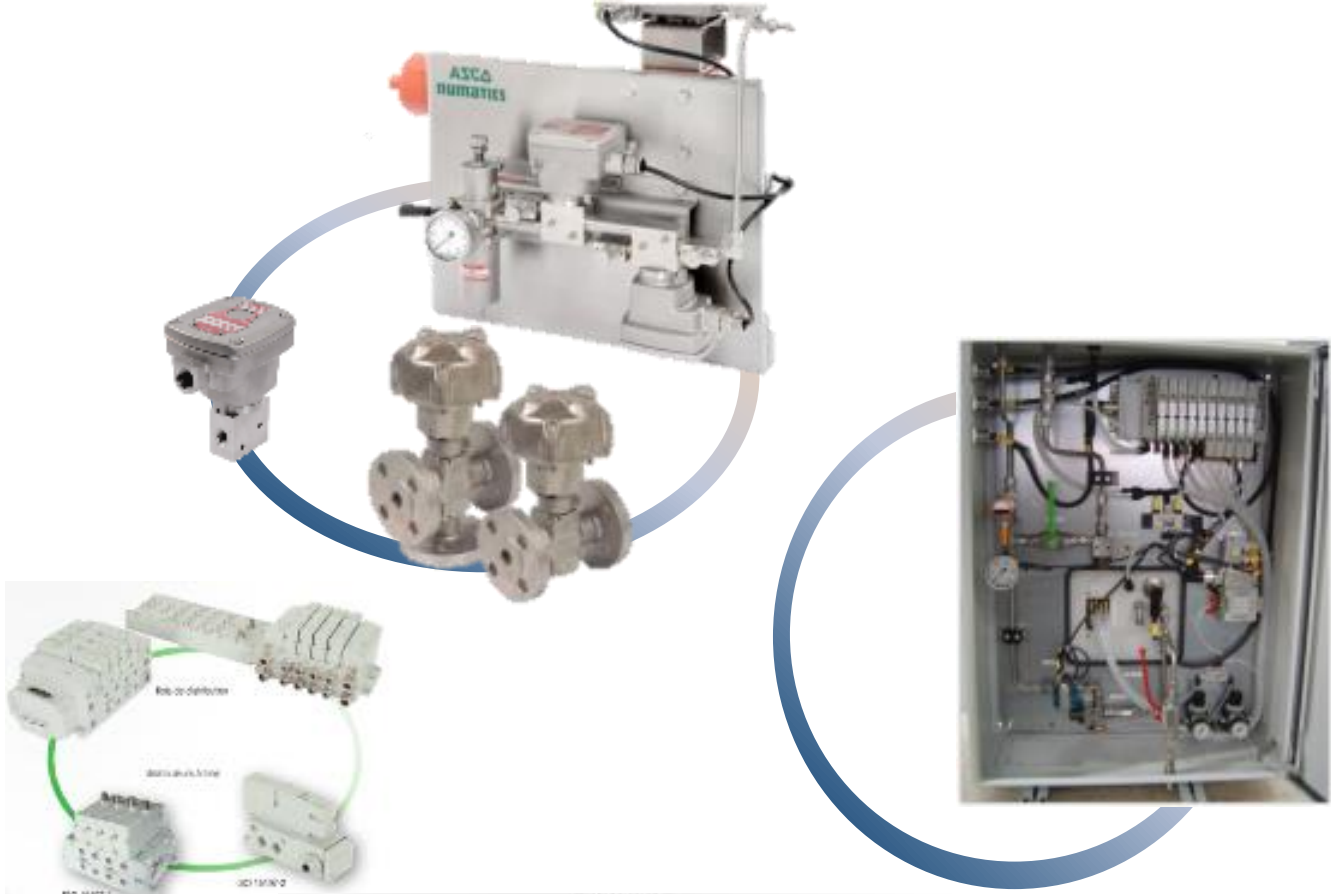
A

11

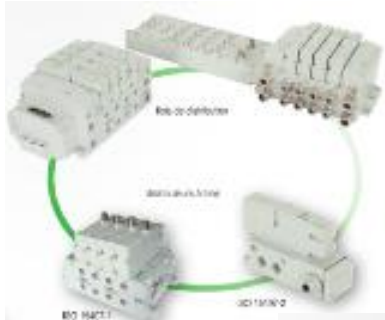
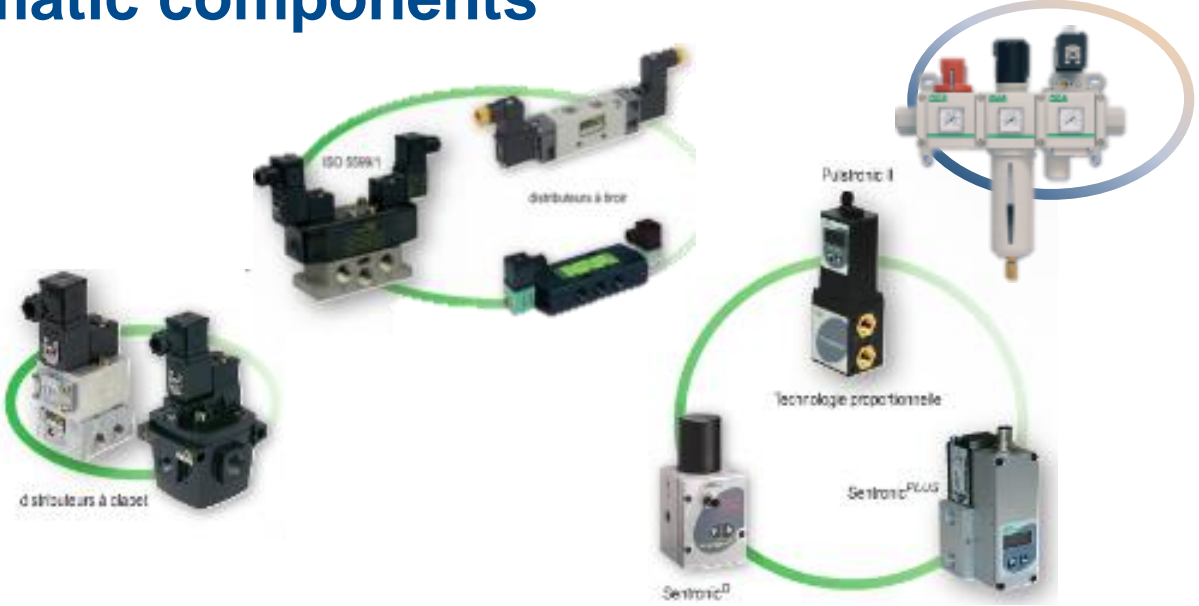


Summary of the ASCO products

Control of fluids



Pneumatic components





EMERSONTM