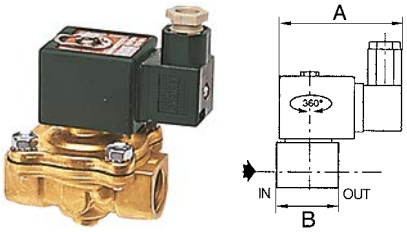
2/2-way solenoid valve

2/2-way type

MAX

Art. No. 136153

Type No. MV 2237 G



Exemplary illustration

Standard series, proven over many years, available in three different versions

- Directly operated
- Combined operation
- Pilot-operated

For all applications with compressed air, neutral gases or low-viscosity, neutral media.

Discontinued product. No longer available. New product (NONE)

Technical data

Housing	brass
Valve seat	brass
Internal parts	stainless steel
Protection IP	IP 65 (with connector socket fitted)
Type	3
Function	normally open (NO)
Thread	Rp 1/2
DN	16 mm
Operating pressure	0 - 9 bar
Sealant	FKM
Electrical connection	ISO 4400, cable socket (PG 11 P)
Medium temperature	-20 to 120 °C
Ambient temperature	-20 to 50 °C
Standard thread	ISO 7-1
A	80 mm
B	70 mm

RIEGLER & Co. KG
Schützenstraße 27
72574 Bad Urach
Tel. +49 7125 9497-642
technik@riegler.de

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Commercial data

Customs tariff number	84812090
Country of origin	PL
eCl@ss 5.1.4	27220601
eCl@ss 9.0	27220601
UNSPSC_Code_v190501	40141605
UNSPSC_CodeDesc_v190501	Solenoid valves

Material informations

REACH SVHC1 substance name	lead
CAS no. SVHC 1	7439-92-1
RoHS materials notice	RoHS compliant
REACH Info	contains SVHC substance

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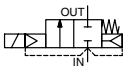
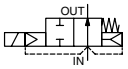
SOLENOID VALVES

pilot operated, hung diaphragm
for vacuum service
3/8 to 3/4

NC 

NO 

2/2
Series
210

FEATURES

- *Special materials and handling procedures are used in the high vacuum valves to avoid molecular contamination*
- *The medium and high vacuum valves are mass spectrometer tested*
- *Two way shut-off pilot operated valves for air and inert gas compatible with the seal materials used*
- *The solenoid valves satisfy all relevant EU Directives*

GENERAL

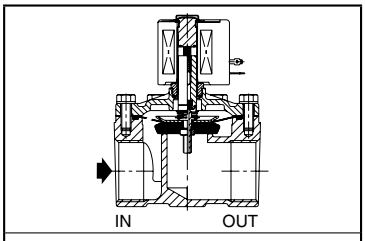
Differential pressure 1 bar absolute [1 bar =100 kPa]
Response time 15 - 120 ms

fluids (✳)	temperature range (TS)	seal materials (✳)
air, inert gas	- 20°C to + 85°C	NBR (nitrile)
	0°C to + 90°C	FPM (fluoroelastomer)

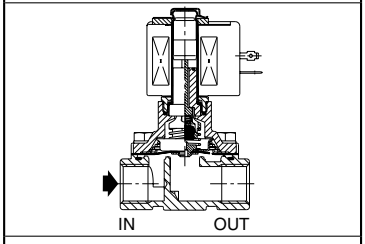
MATERIALS IN CONTACT WITH FLUID

(✳) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass
Core tube Stainless steel
Core and plugnut Stainless steel
Springs Stainless steel
Seat Brass
Seals, diaphragm & disc NBR or FPM
Disc holder (NO function) PA
Shading coil Copper



NC function



NO function

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (=) : -
(Other voltages and 60 Hz on request) AC (~) : 24V - 48V - 115V - 230V / 50 Hz

prefix option	power ratings inrush ~	holding ~		hot/cold =	operator ambient temperature range (TS)	replacement coil ~	replacement coil =	type (1)
	(VA)	(VA)	(W)	(W)	(C°)	230 V/50 Hz	-	
SC	55	23	10,5	-	-20 to + 75	400425-117	-	01

(1) Refer to the dimensional drawings on the following page.

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		minimum absolute vacuum pressure (PS) air (✳)	power coil (W)		catalogue number	options		
								maintained man. operator		
Rp	(mm)	(m³/h)	(l/min)	mbar (Torr)	~		~			
NC - Normally closed, low vacuum range to 25 Torr, NBR seals										
3/4	19	5,2	87	33,3 (25)	10,5	-	**SCE210D095**	MO	-	-
NC - Normally closed, medium vacuum range to 10^{-3} Torr, NBR seals										
3/4	19	5,2	87	1,33.10^{-3} (10^{-3})	10,5	-	**SCE210D095VM**	MO	-	-
NC - Normally closed, high vacuum range to 10^{-6} Torr, FPM seals										
3/4	19	5,2	87	1,33.10^{-6} (10^{-6})	10,5	-	**SCE210D095VH**	MO	-	-
NO - Normally open, low vacuum range to 25 Torr, NBR seals										
3/8	16	2,6	43	33,3 (25)	10,5	-	**SCE210C033**	MO	-	-
1/2	16	3,4	57	33,3 (25)	10,5	-	**SCE210C034**	MO	-	-
3/4	19	4,7	79	33,3 (25)	10,5	-	**SCE210C035**	MO	-	-
NO - Normally open, medium vacuum range to 10^{-3} Torr, NBR seals										
3/8	16	2,6	43	1,33.10^{-3} (10^{-3})	10,5	-	**SCE210C033VM**	MO	-	-
1/2	16	3,4	57	1,33.10^{-3} (10^{-3})	10,5	-	**SCE210C034VM**	MO	-	-
3/4	19	4,7	79	1,33.10^{-3} (10^{-3})	10,5	-	**SCE210C035VM**	MO	-	-
NO - Normally open, high vacuum range to 10^{-6} Torr, FPM seals										
3/8	16	2,6	43	1,33.10^{-6} (10^{-6})	10,5	-	**SCE210C033VH**	MO	-	-
1/2	16	3,4	57	1,33.10^{-6} (10^{-6})	10,5	-	**SCE210C034VH**	MO	-	-
3/4	19	4,7	79	1,33.10^{-6} (10^{-6})	10,5	-	**SCE210C035VH**	MO	-	-

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OPTIONS

- Waterproof enclosure with embedded screw terminal coil according to protection class IP67, CEE-10
- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 2014/34/EU (www.asco.com)
- Electrical enclosures according to "NEMA" standards are available
- Compliance with "UL", "CSA" and other local approvals available on request
- Mounting brackets, suffix MB
- Other pipe connections are available on request
- Connector with visual indication and peak voltage suppression or with cable length of 2 m (www.asco.com)

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Pipe connection identifier is E = Rp (ISO 7/1)
- Installation/maintenance instructions are included with each valve

SPARE PARTS KITS & ACCESSORIES

catalogue number	spare parts kit no.		mounting bracket no.
	~	=	
SCE210D095	**C302276**	-	**038713-000**
SCE210C033/C034	**C302334**	-	**038713-000**
SCE210C035	**C302335**	-	**038713-000**

(1) Standard suffixes are also applicable to kits.

ORDERING EXAMPLES:

SC	E	210 **D** 095		230V / 50 Hz
SC	E	210 **C** 033	**MO**	115V / 50 Hz
SC	E	210 **C** 034	**VM**	24V / 50 Hz
SC	E	210 **C** 035	**VH**	230V / 50 Hz

prefix
pipe thread
basic number
voltage
suffix

ORDERING EXAMPLES KITS:

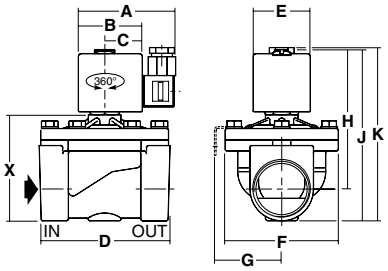
C302276(1)	
C302276	**VM**
C302276	**VH**

basic number
suffix

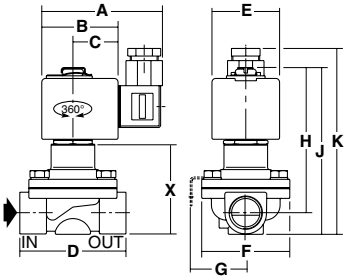
DIMENSIONS (mm), WEIGHT (kg)

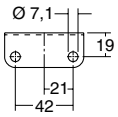
TYPE 01
Prefix "SC" Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

SCE210D095 (NC)



SCE210C033/C034/C035 (NO)





Mounting brackets

type	prefix option	catalogue number	A	B	C	D	E	F	G	H	J	K	X	weight (2)
01	SC	SCE210D095	80	50	30	73	45	58	41	89	103	121	54	1
		SCE210C033/C034	80	50	30	70	45	58	41	98	108	127	60	0,9
		SCE210C035	80	50	30	70	45	58	41	102	117	132	68	1

(2) including coil and connector.

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8 - Vacuum Service (2/2)

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