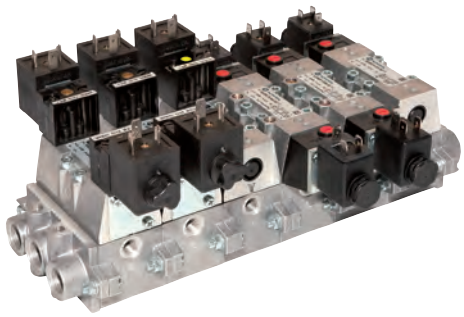
IMPORTANT
This datasheet contains information about ISO*STAR valve assemblies that can be used in either non-ATEX or ATEX environments.
Please strictly follow the technical recommendation on what bodies and coils can be used in either environments to ensure ATEX compliance and safety.

ISO*STAR (SXE, SXP) 5/2 & 5/3
Solenoid and pilot actuated glandless spool valves

- Sub-base mounted, ISO 5599-1 sizes 1, 2 or 3
- Specially coated glandless spool and sleeve for long trouble-free life
- Integral flow regulators available on ISO 1 and 2 sizes for cylinder speed control
- Low power solenoids feature
- Manual override as standard
- Impulse actuated bistable valve with detent mechanism
- Wide range of sub-bases and accessories
- These solenoid valves is possible to combine with solenoids which have Ex protection class ATEX (categories II 2 GD and II 3 GD) and other international approvals



Technical features

Medium:
Compressed air, 40 µm filtered, lubricated or non-lubricated

Operation:
Glandless spool valve, solenoid pilot or air pilot actuated

Mounting:
On sub-bases

Sizes:
ISO 1, 2 and 3

Maximum operating pressure:
Standard:
Solenoid valves; 10 (145 psi) or 16 bar (232 psi)
depending on solenoid pilot operator
Air pilot operated valves; 16 bar (232 psi)
Refer to technical specification table for details
ATEX:
10 bar (145 psi) solenoid pilot actuated valves
16 bar (232 psi) air pilot actuated valves and solenoid pilot actuated valves with external pilot supply.
Details of minimum and maximum pilot pressure see overleaf

Ambient/Media temperature:
Standard:
Solenoid pilot actuated valves
-15 ... +50°C (+5 ... 122°F)
Air pilot actuated valves
-15 ... +80°C (+5 ... 176°F)
ATEX:
-15 ... +50°C (+5 ... +122°F)
air pilot and solenoid pilot actuated valves.
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: die-cast aluminium
Spool & sleeve: hard anodised aluminium with special PTFE coating
Seals: NBR
Locking plate: die-cast zinc or steel blue zinc coated
Screws: steel, blue zinc coated
Plastic parts: POM
Flow regulators: brass

Electrical details for solenoid operators

Voltage tolerance	± 10%		
Rating	100% continuous duty		
Inlet orifice	1,0 mm		
Electrical connection (corresponding to choosen coil)	EN 175301-803 - Form A, 30 mm		
	EN 175301-803 - Form B, 22 mm		
	Industrial Standard, 22 mm		
Solenoid coil mounting	Four positions x 90°		
Manual override	End solenoid models	Push and turn to lock (plastic)	# = 0
		Push only (plastic)	# = 1
	CNOMO solenoid models	Push and turn to lock (plastic)	# = 0
		Push only (brass)	# = 1
Protection class	IP 65 (with sealed plug)		

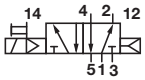
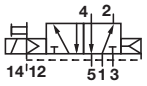
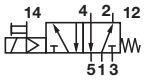
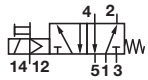
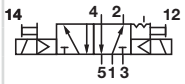
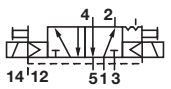
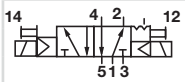
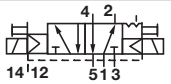
Maximum suggested torque

Valve size	Thread size	Maximum suggested torque
ISO 1	M5	3.1 Nm
ISO 2	M6	3.5 Nm
ISO 3	M8	5.6 Nm

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2003 - 5109f) © 2024 Norgren

IMPORTANT INFO:
This datasheet section contains information about ISO*Star valve assemblies to be used in non-ATEX environments.
Please strictly follow the technical recommendation and only use the bodies and coils listed in this section to ensure ATEX compliance and safety.

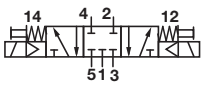
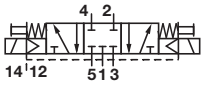
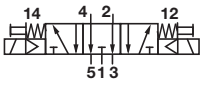
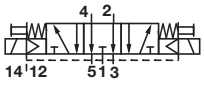
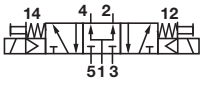
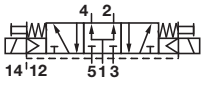
5/2 Solenoid pilot actuated valves - 10 bar solenoid pilot pressure

Symbol	ISO size	Flow regulator	Actuation	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model End solenoid actuated valves	CNOMO solenoid actuated valves
	1	–	Solenoid/air spring	Internal	1230	1 ... 10	–	0,33	1 & 3	SXE9573-A70-0#-*1)	SXE9573-Z70-6#-*1)
	2	–	Solenoid/air spring	Internal	2450	1 ... 10	–	0,59	1 & 3	SXE9574-A70-0#-*1)	SXE9574-Z70-6#-*1)
	3	–	Solenoid/air spring	Internal	4400	1 ... 10	–	0,85	1 & 3	SXE9575-A70-0#-*1)	SXE9575-Z70-6#-*1)
	1	Built-in	Solenoid/air spring	Internal	1230	1 ... 10	–	0,33	1 & 3	SXE9573-A80-0#-*1)	SXE9573-Z80-6#-*1)
	2	Built-in	Solenoid/air spring	Internal	2450	1 ... 10	–	0,59	1 & 3	SXE9574-A80-0#-*1)	SXE9574-Z80-6#-*1)
	1	–	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 10	0,33	1 & 3	SXE9573-A75-0#-*1)	SXE9573-Z75-6#-*1)
	1	Built-in	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 10	0,33	1 & 3	SXE9573-A85-0#-*1)	SXE9573-Z85-6#-*1)
	2	–	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 10	0,59	1 & 3	SXE9574-A75-0#-*1)	SXE9574-Z75-6#-*1)
	3	–	Solenoid/air spring	External *3)	4400	-0,9 ... 16	1 ... 10	0,85	1 & 3	SXE9575-A75-0#-*1)	SXE9575-Z75-6#-*1)
	2	Built-in	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 10	0,59	1 & 3	SXE9574-A85-0#-*1)	SXE9574-Z85-6#-*1)
	1	–	Solenoid/spring	Internal	1230	1,8 ... 10	–	0,33	1 & 3	SXE9573-A71-0#-*1)	SXE9573-Z71-6#-*1)
	2	–	Solenoid/spring	Internal	2450	1,8 ... 10	–	0,59	1 & 3	SXE9574-A71-0#-*1)	SXE9574-Z71-6#-*1)
	3	–	Solenoid/spring	Internal	4400	1,8 ... 10	–	0,85	1 & 3	SXE9575-A71-0#-*1)	SXE9575-Z71-6#-*1)
	1	Built-in	Solenoid/spring	Internal	1230	1,8 ... 10	–	0,33	1 & 3	SXE9573-A81-0#-*1)	SXE9573-Z81-6#-*1)
	2	Built-in	Solenoid/spring	Internal	2450	1,8 ... 10	–	0,59	1 & 3	SXE9574-A81-0#-*1)	SXE9574-Z81-6#-*1)
	1	–	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 10	0,33	1 & 3	SXE9573-A76-0#-*1)	SXE9573-Z76-6#-*1)
	2	–	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 10	0,59	1 & 3	SXE9574-A76-0#-*1)	SXE9574-Z76-6#-*1)
	3	–	Solenoid/spring	External *3)	4400	-0,9 ... 16	1,8 ... 10	0,85	1 & 3	SXE9575-A76-0#-*1)	SXE9575-Z76-6#-*1)
	1	Built-in	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 10	0,33	1 & 3	SXE9573-A86-0#-*1)	SXE9573-Z86-6#-*1)
	2	Built-in	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 10	0,59	1 & 3	SXE9574-A86-0#-*1)	SXE9574-Z86-6#-*1)
	1	–	Solenoid/solenoid	Internal	1230	2 ... 10	–	0,45	2 & 4	SXE0573-A50-0#-*1)	SXE0573-Z50-6#-*1)
	2	–	Solenoid/solenoid	Internal	2450	2 ... 10	–	0,72	2 & 4	SXE0574-A50-0#-*1)	SXE0574-Z50-6#-*1)
	3	–	Solenoid/solenoid	Internal	4400	2 ... 10	–	0,96	2 & 4	SXE0575-A50-0#-*1)	SXE0575-Z50-6#-*1)
	1	Built-in	Solenoid/solenoid	Internal	1230	2 ... 10	–	0,45	2 & 4	SXE0573-A60-0#-*1)	SXE0573-Z60-6#-*1)
	2	Built-in	Solenoid/solenoid	Internal	2450	2 ... 10	–	0,72	2 & 4	SXE0574-A60-0#-*1)	SXE0574-Z60-6#-*1)
	1	–	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE0573-A55-0#-*1)	SXE0573-Z55-6#-*1)
	2	–	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE0574-A55-0#-*1)	SXE0574-Z55-6#-*1)
	3	–	Solenoid/solenoid	External *3)	4400	-0,9 ... 16	2 ... 10	0,96	2 & 4	SXE0575-A55-0#-*1)	SXE0575-Z55-6#-*1)
	1	Built-in	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE0573-A65-0#-*1)	SXE0573-Z65-6#-*1)
	2	Built-in	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE0574-A65-0#-*1)	SXE0574-Z65-6#-*1)
	1	–	Solenoid/solenoid *2)	Internal	1230	2 ... 10	–	0,45	2 & 4	–	SXE1573-Z50-6#-*1)
	2	–	Solenoid/solenoid *2)	Internal	2450	2 ... 10	–	0,72	2 & 4	–	SXE1574-Z50-6#-*1)
	3	–	Solenoid/solenoid *2)	Internal	4400	2 ... 10	–	0,96	2 & 4	–	SXE1575-Z50-6#-*1)
	1	–	Solenoid/solenoid *2)	External *3)	1230	-0,9 ... 16	2 ... 10	0,45	2 & 4	–	SXE1573-Z55-6#-*1)
	2	–	Solenoid/solenoid *2)	External *3)	2450	-0,9 ... 16	2 ... 10	0,72	2 & 4	–	SXE1574-Z55-6#-*1)
	3	–	Solenoid/solenoid *2)	External *3)	4400	-0,9 ... 16	2 ... 10	0,96	2 & 4	–	SXE1575-Z55-6#-*1)

Insert code for manual override: 0 = push and turn (standard - End solenoid), 1 = push only
*1) Insert voltage code from tables below or without coil; SXE**7*-A**-00K (end solenoid) or SXE**7*-Z**-6*K (CNOMO solenoid)
*2) Pilot side 14 priority
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2003 - 5109f) © 2024 Norgren

5/3 Solenoid pilot actuated valves - 10 bar solenoid pilot pressure

Symbol	ISO size	Flow regulator	Actuation	Function	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model End solenoid actuated valves	CNOMO solenoid actuated valves
	1	–	Solenoid/solenoid	APB	Internal	1320	2 ... 10	–	0,45	2 & 4	SXE9673-A50-0#-*1)	SXE9673-Z50-6#-*1)
	2	–	Solenoid/solenoid	APB	Internal	2520	2 ... 10	–	0,72	2 & 4	SXE9674-A50-0#-*1)	SXE9674-Z50-6#-*1)
	3	–	Solenoid/solenoid	APB	Internal	4650	2 ... 10	–	0,96	2 & 4	SXE9675-A50-0#-*1)	SXE9675-Z50-6#-*1)
	1	Built-in	Solenoid/solenoid	APB	Internal	1320	2 ... 10	–	0,45	2 & 4	SXE9673-A60-0#-*1)	SXE9673-Z60-6#-*1)
	2	Built-in	Solenoid/solenoid	APB	Internal	2520	2 ... 10	–	0,72	2 & 4	SXE9674-A60-0#-*1)	SXE9674-Z60-6#-*1)
	1	–	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9673-A55-0#-*1)	SXE9673-Z55-6#-*1)
	2	–	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9674-A55-0#-*1)	SXE9674-Z55-6#-*1)
	3	–	Solenoid/solenoid	APB	External *3)	4650	-0,9 ... 16	2 ... 10	0,96	2 & 4	SXE9675-A55-0#-*1)	SXE9675-Z55-6#-*1)
	1	Built-in	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9673-A65-0#-*1)	SXE9673-Z65-6#-*1)
	2	Built-in	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9674-A65-0#-*1)	SXE9674-Z65-6#-*1)
	1	–	Solenoid/solenoid	COE	Internal	1320	2 ... 10	–	0,45	2 & 4	SXE9773-A50-0#-*1)	SXE9773-Z50-6#-*1)
	2	–	Solenoid/solenoid	COE	Internal	2520	2 ... 10	–	0,72	2 & 4	SXE9774-A50-0#-*1)	SXE9774-Z50-6#-*1)
	3	–	Solenoid/solenoid	COE	Internal	4650	2 ... 10	–	0,96	2 & 4	SXE9775-A50-0#-*1)	SXE9775-Z50-6#-*1)
	1	Built-in	Solenoid/solenoid	COE	Internal	1320	2 ... 10	–	0,45	2 & 4	SXE9773-A60-0#-*1)	SXE9773-Z60-6#-*1)
	2	Built-in	Solenoid/solenoid	COE	Internal	2520	2 ... 10	–	0,72	2 & 4	SXE9774-A60-0#-*1)	SXE9774-Z60-6#-*1)
	1	–	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9773-A55-0#-*1)	SXE9773-Z55-6#-*1)
	2	–	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9774-A55-0#-*1)	SXE9774-Z55-6#-*1)
	3	–	Solenoid/solenoid	COE	External *3)	4650	-0,9 ... 16	2 ... 10	0,96	2 & 4	SXE9775-A55-0#-*1)	SXE9775-Z55-6#-*1)
	1	Built-in	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9673-A65-0#-*1)	SXE9773-Z65-6#-*1)
	2	Built-in	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9674-A65-0#-*1)	SXE9774-Z65-6#-*1)
	1	–	Solenoid/solenoid	COP	Internal	1320	2 ... 10	–	0,45	2 & 4	SXE9873-A50-0#-*1)	SXE9873-Z50-6#-*1)
	2	–	Solenoid/solenoid	COP	Internal	2520	2 ... 10	–	0,72	2 & 4	SXE9874-A50-0#-*1)	SXE9874-Z50-6#-*1)
	3	–	Solenoid/solenoid	COP	Internal	4650	2 ... 10	–	0,96	2 & 4	SXE9875-A50-0#-*1)	SXE9875-Z50-6#-*1)
	1	Built-in	Solenoid/solenoid	COP	Internal	1320	2 ... 10	–	0,45	2 & 4	SXE9873-A60-0#-*1)	SXE9873-Z60-6#-*1)
	2	Built-in	Solenoid/solenoid	COP	Internal	2520	2 ... 10	–	0,72	2 & 4	SXE9874-A60-0#-*1)	SXE9874-Z60-6#-*1)
	1	–	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9873-A55-0#-*1)	SXE9873-Z55-6#-*1)
	2	–	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9874-A55-0#-*1)	SXE9874-Z55-6#-*1)
	3	–	Solenoid/solenoid	COP	External *3)	4650	-0,9 ... 16	2 ... 10	0,96	2 & 4	SXE9875-A55-0#-*1)	SXE9875-Z55-6#-*1)
	1	Built-in	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2 & 4	SXE9873-A65-0#-*1)	SXE9873-Z65-6#-*1)
	2	Built-in	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2 & 4	SXE9874-A65-0#-*1)	SXE9874-Z65-6#-*1)

Insert code for manual override: 0 = push and turn (standard - End solenoid), 1 = push only
*1) Insert voltage code from tables below or without coil; SXE**7*-A**-00K (end solenoid) or SXE**7*-Z**-6*K (CNOMO solenoid)
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).
Valve function: APB = All Ports Blocked
COE = Centre Open Exhaust
COP = Centre Open Pressure

Voltage codes and spare coils for 10 bar models (End & CNOMO solenoid operator)

22 mm coil for connector interface acc. to industrial standard



Voltage	Power Inrush/Hold	Model	Code
12 V d.c.	2 W	QM/48/12J/21	12J
24 V d.c	2 W	QM/48/13J/21	13J
24 V 50/60 Hz	4/2,5 VA	QM/48/14J/21	14J
48 V 50/60 Hz	4/2,5 VA	QM/48/16J/21	16J
110/120 V 50/60 Hz	4/2,5 VA	QM/48/18J/21	18J
220/240 V 50/60 Hz	6/5,0 VA	QM/48/19J/21	19J

22 mm coil for connector interface acc. EN 175 301-803, form B



Voltage	Power Inrush/Hold	Model	Code
12 V d.c.	2 W	V10626-A12L	12L
24 V d.c	2 W	V10626-A13L	13L
24 V 50/60 Hz	4/2,5 VA	V10626-A14L	14L
48 V 50/60 Hz	4/2,5 VA	V10626-A16L	16L
110/120 V 50/60 Hz	4/2,5 VA	V10626-A18L	18L
220/240 V 50/60 Hz	6/5,0 VA	V10626-A19L	19L

30 mm coil for connector interface acc. EN 175 301-803, form A



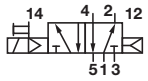
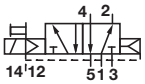
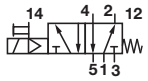
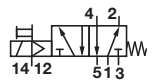
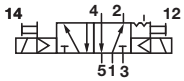
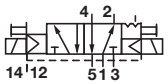
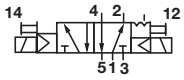
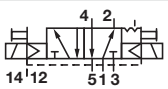
Voltage	Power Inrush/Hold	Model	Code
12 V d.c.	1,5 W	V10633-A22N	22N
24 V d.c	1,5 W	V10633-A23N	23N
24 V 50/60 Hz	3/2 VA	V10633-A24N	24N
48 V 50/60 Hz	3/2 VA	V10633-A26N	26N
110/120 V 50/60 Hz	3/2 VA	V10633-A28N	28N
220/240 V 50/60 Hz	3/2 VA	V10633-A29N	29N

Connector plugs - ordered separately

Industrial standard 22 mm 2-pole + PE	22 mm, EN 175301-803 (DIN 43650 B) Form B 2-pole + PE	30 mm, EN 175301-803 (DIN 43650 B) Form A 2-pole + PE
		
0657868	0680003	0570275

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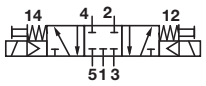
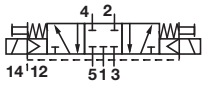
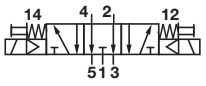
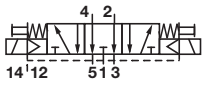
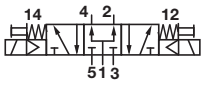
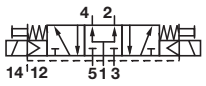
5/2 Solenoid pilot actuated valves – 16 bar solenoid solenoid pilot pressure

Symbol	ISO size	Flow regulator	Actuation	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model CNOMO solenoid actuated valves
	1	–	Solenoid/air spring	Internal	1230	1 ... 16	–	0,33	1 & 3	SXE9573-Z70-8#-*1)
	2	–	Solenoid/air spring	Internal	2450	1 ... 16	–	0,59	1 & 3	SXE9574-Z70-8#-*1)
	3	–	Solenoid/air spring	Internal	4400	1 ... 16	–	0,85	1 & 3	SXE9575-Z70-8#-*1)
	1	Built-in	Solenoid/air spring	Internal	1230	1 ... 16	–	0,33	1 & 3	SXE9573-Z80-8#-*1)
	2	Built-in	Solenoid/air spring	Internal	2450	1 ... 16	–	0,59	1 & 3	SXE9574-Z80-8#-*1)
	1	–	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 16	0,33	1 & 3	SXE9573-Z75-8#-*1)
	1	Built-in	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 16	0,33	1 & 3	SXE9573-Z85-8#-*1)
	2	–	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 16	0,59	1 & 3	SXE9574-Z75-8#-*1)
	3	–	Solenoid/air spring	External *3)	4400	-0,9 ... 16	1 ... 16	0,85	1 & 3	SXE9575-Z75-8#-*1)
	2	Built-in	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 16	0,59	1 & 3	SXE9574-Z85-8#-*1)
	1	–	Solenoid/spring	Internal	1230	1,8 ... 16	–	0,33	1 & 3	SXE9573-Z71-8#-*1)
	2	–	Solenoid/spring	Internal	2450	1,8 ... 16	–	0,59	1 & 3	SXE9574-Z71-8#-*1)
	3	–	Solenoid/spring	Internal	4400	1,8 ... 16	–	0,85	1 & 3	SXE9575-Z71-8#-*1)
	1	Built-in	Solenoid/spring	Internal	1230	1,8 ... 16	–	0,33	1 & 3	SXE9573-Z81-8#-*1)
	2	Built-in	Solenoid/spring	Internal	2450	1,8 ... 16	–	0,59	1 & 3	SXE9574-Z81-8#-*1)
	1	–	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 16	0,33	1 & 3	SXE9573-Z76-8#-*1)
	2	–	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 16	0,59	1 & 3	SXE9574-Z76-8#-*1)
	3	–	Solenoid/spring	External *3)	4400	-0,9 ... 16	1,8 ... 16	0,85	1 & 3	SXE9575-Z76-8#-*1)
	1	Built-in	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 16	0,33	1 & 3	SXE9573-Z86-8#-*1)
	2	Built-in	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 16	0,59	1 & 3	SXE9574-Z86-8#-*1)
	1	–	Solenoid/solenoid	Internal	1230	2 ... 16	–	0,45	2 & 4	SXE0573-Z50-8#-*1)
	2	–	Solenoid/solenoid	Internal	2450	2 ... 16	–	0,72	2 & 4	SXE0574-Z50-8#-*1)
	3	–	Solenoid/solenoid	Internal	4400	2 ... 16	–	0,96	2 & 4	SXE0575-Z50-8#-*1)
	1	Built-in	Solenoid/solenoid	Internal	1230	2 ... 16	–	0,45	2 & 4	SXE0573-Z60-8#-*1)
	2	Built-in	Solenoid/solenoid	Internal	2450	2 ... 16	–	0,72	2 & 4	SXE0574-Z60-8#-*1)
	1	–	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE0573-Z55-8#-*1)
	2	–	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE0574-Z55-8#-*1)
	3	–	Solenoid/solenoid	External *3)	4400	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE0575-Z55-8#-*1)
	1	Built-in	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE0573-Z65-8#-*1)
	2	Built-in	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE0574-Z65-8#-*1)
	1	–	Solenoid/solenoid *2)	Internal	1230	2 ... 16	–	0,45	2 & 4	SXE1573-Z50-8#-*1)
	2	–	Solenoid/solenoid *2)	Internal	2450	2 ... 16	–	0,72	2 & 4	SXE1574-Z50-8#-*1)
	3	–	Solenoid/solenoid *2)	Internal	4400	2 ... 16	–	0,96	2 & 4	SXE1575-Z50-8#-*1)
	1	–	Solenoid/solenoid *2)	External *3)	1230	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE1573-Z55-8#-*1)
	2	–	Solenoid/solenoid *2)	External *3)	2450	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE1574-Z55-8#-*1)
	3	–	Solenoid/solenoid *2)	External *3)	4400	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE1575-Z55-8#-*1)

Insert code for manual override: 0 = push and turn, 1 = push only
*1) Insert voltage code from tables below or without coil; SXE**7*-Z**-8*K
*2) Pilot side 14 priority
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).

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5/3 Solenoid pilot actuated valves – 16 bar solenoid solenoid pilot pressure

Symbol	ISO size	Flow regulator	Actuation	Function	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model CNOMO solenoid actuated valves
	1	–	Solenoid/solenoid	APB	Internal	1320	2 ... 16	–	0,45	2 & 4	SXE9673-Z50-8#-*1)
	2	–	Solenoid/solenoid	APB	Internal	2520	2 ... 16	–	0,72	2 & 4	SXE9674-Z50-8#-*1)
	3	–	Solenoid/solenoid	APB	Internal	4650	2 ... 16	–	0,96	2 & 4	SXE9675-Z50-8#-*1)
	1	Built-in	Solenoid/solenoid	APB	Internal	1320	2 ... 16	–	0,45	2 & 4	SXE9673-Z60-8#-*1)
	2	Built-in	Solenoid/solenoid	APB	Internal	2520	2 ... 16	–	0,72	2 & 4	SXE9674-Z60-8#-*1)
	1	–	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9673-Z55-8#-*1)
	2	–	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9674-Z55-8#-*1)
	3	–	Solenoid/solenoid	APB	External *3)	4650	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE9675-Z55-8#-*1)
	1	Built-in	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9673-Z65-8#-*1)
	2	Built-in	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9674-Z65-8#-*1)
	1	–	Solenoid/solenoid	COE	Internal	1320	2 ... 16	–	0,45	2 & 4	SXE9773-Z50-8#-*1)
	2	–	Solenoid/solenoid	COE	Internal	2520	2 ... 16	–	0,72	2 & 4	SXE9774-Z50-8#-*1)
	3	–	Solenoid/solenoid	COE	Internal	4650	2 ... 16	–	0,96	2 & 4	SXE9775-Z50-8#-*1)
	1	Built-in	Solenoid/solenoid	COE	Internal	1320	2 ... 16	–	0,45	2 & 4	SXE9773-Z60-8#-*1)
	2	Built-in	Solenoid/solenoid	COE	Internal	2520	2 ... 10	–	0,72	2 & 4	SXE9774-Z60-8#-*1)
	1	–	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9773-Z55-8#-*1)
	2	–	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9774-Z55-8#-*1)
	3	–	Solenoid/solenoid	COE	External *3)	4650	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE9775-Z55-8#-*1)
	1	Built-in	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9773-Z65-8#-*1)
	2	Built-in	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9774-Z65-8#-*1)
	1	–	Solenoid/solenoid	COP	Internal	1320	2 ... 16	–	0,45	2 & 4	SXE9873-Z50-8#-*1)
	2	–	Solenoid/solenoid	COP	Internal	2520	2 ... 16	–	0,72	2 & 4	SXE9874-Z50-8#-*1)
	3	–	Solenoid/solenoid	COP	Internal	4650	2 ... 16	–	0,96	2 & 4	SXE9875-Z50-8#-*1)
	1	Built-in	Solenoid/solenoid	COP	Internal	1320	2 ... 16	–	0,45	2 & 4	SXE9873-Z60-8#-*1)
	2	Built-in	Solenoid/solenoid	COP	Internal	2520	2 ... 16	–	0,72	2 & 4	SXE9874-Z60-8#-*1)
	1	–	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9873-Z55-8#-*1)
	2	–	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9874-Z55-8#-*1)
	3	–	Solenoid/solenoid	COP	External *3)	4650	-0,9 ... 16	2 ... 16	0,96	2 & 4	SXE9875-Z55-8#-*1)
	1	Built-in	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 16	0,45	2 & 4	SXE9873-Z65-8#-*1)
	2	Built-in	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 16	0,72	2 & 4	SXE9874-Z65-8#-*1)

Insert code for manual override: 0 = push and turn, 1 = push only
*1) Insert voltage code from tables below or without coil; SXE**7*-Z**-8*K
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).
Valve function: APB = All Ports Blocked
COE = Centre Open Exhaust
COP = Centre Open Pressure

Option selector (solenoid actuated valves)

SXE★★7★-★★★-★-★★★

Valve function	Substitute
5/2 Solenoid/solenoid, bistable valve	05
5/2 Solenoid/solenoid, bistable valve with side 14 priority	15
5/2 solenoid/spring, monostable valve	95
5/3 - APB	96
5/3 - COE	97
5/3 - COP	98

ISO size	Substitute
ISO 1	3
ISO 2	4
ISO 3	5

Solenoid position	Substitute
End solenoid actuated valves	A
CNOMO solenoid actuated valves	Z

Integrated flow control	Substitute
Without flow regulator (double solenoid)	5
With flow regulator (double solenoid)	6
Without flow regulator (solenoid & spring)	7
With flow regulator (solenoid & spring)	8

Voltage code for valve with coil	Substitute
For voltage code see tables on page 2 and 3	

Valve without coil	Substitute
Remove dash (-)	K

Manual override	Substitute
Push and turn to lock (standard - End solenoid)	0
Push only	1

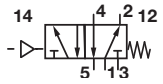
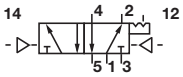
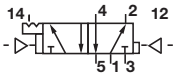
Operating pressure	Substitute
10 bar - end solenoid actuated valves	0
10 bar - CNOMO solenoid actuated valves	6
16 bar - CNOMO solenoid actuated valves	8

Pilot supply	Substitute
Internal (double solenoid or single solenoid/air spring)	0
Internal (single solenoid valve, mechanical spring)	1
External (double solenoid or single solenoid/air spring)	5
External (single solenoid valve, mechanical spring)	6

Note; Valves without coil - order coil separately according to voltage tables applicable for the solenoid pilot pressure 10 or 16 bar

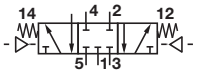
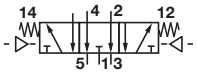
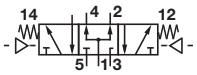
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5/2 air pilot actuated valves

Symbol	ISO size	Flow regulator	Actuation	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model
	1	–	Air/spring	1230	-0,9 ... 16	1,8 ... 16	0,21	5	SXP9573-170-00
	2	–	Air/spring	2450	-0,9 ... 16	1,8 ... 16	0,45	5	SXP9574-170-00
	3	–	Air/spring	4400	-0,9 ... 16	1,8 ... 16	0,72	5	SXP9575-170-00
	1	Built-in	Air/spring	1230	-0,9 ... 16	1,8 ... 16	0,21	5	SXP9573-180-00
	2	Built-in	Air/spring	2450	-0,9 ... 16	1,8 ... 16	0,45	5	SXP9574-180-00
	1	–	Air/air	1230	-0,9 ... 16	2 ... 16	0,30	6	SXP0573-170-00
	2	–	Air/air	2450	-0,9 ... 16	2 ... 16	0,50	6	SXP0574-170-00
	3	–	Air/air	4400	-0,9 ... 16	2 ... 16	0,72	6	SXP0575-170-00
	1	Built-in	Air/air	1230	-0,9 ... 16	2 ... 16	0,30	6	SXP0573-180-00
	2	Built-in	Air/air	2450	-0,9 ... 16	2 ... 16	0,50	6	SXP0574-180-00
	1	–	Air/air *2)	1230	-0,9 ... 16	2 ... 16	0,30	6	SXP1573-170-00
	2	–	Air/air *2)	2450	-0,9 ... 16	2 ... 16	0,50	6	SXP1574-170-00
	3	–	Air/air *2)	4400	-0,9 ... 16	2 ... 16	0,72	6	SXP1575-170-00

*2) Pilot side 14 priority

5/3 air pilot actuated valves

Symbol	ISO size	Flow regulator	Actuation	Function	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model
	1	–	Air/air	APB	1230	-0,9 ... 16	1,8 ... 16	0,25	6	SXP9673-170-00
	2	–	Air/air	APB	2450	-0,9 ... 16	1,8 ... 16	0,58	6	SXP9674-170-00
	3	–	Air/air	APB	4400	-0,9 ... 16	1,8 ... 16	0,8	6	SXP9675-170-00
	1	Built-in	Air/air	APB	1230	-0,9 ... 16	1,8 ... 16	0,25	6	SXP9673-180-00
	2	Built-in	Air/air	APB	2450	-0,9 ... 16	1,8 ... 16	0,58	6	SXP9674-180-00
	1	–	Air/air	COE	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9773-170-00
	2	–	Air/air	COE	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9774-170-00
	3	–	Air/air	COE	4400	-0,9 ... 16	2 ... 16	0,80	6	SXP9775-170-00
	1	Built-in	Air/air	COE	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9773-180-00
	2	Built-in	Air/air	COE	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9774-180-00
	2	–	Air/air	COP	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9874-170-00
	3	–	Air/air	COP	4400	-0,9 ... 16	2 ... 16	0,80	6	SXP9875-170-00
	1	Built-in	Air/air	COP	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9873-180-00
	2	Built-in	Air/air	COP	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9874-180-00

Valve function: APB = All Ports Blocked, COE = Centre Open Exhaust, COP = Centre Open Pressure

Option selector (air pilot actuated valves)

SXP★★7★-1★0-00

Valve function	Substitute
5/2 pilot/pilot, bistable valve	05
5/2 pilot/pilot, bistable valve with side 14 priority	15
5/2 pilot/spring, monostable valve	95
5/3 - APB	96
5/3 - COE	97
5/3 - COP	98

ISO size	Substitute
ISO 1	3
ISO 2	4
ISO 3	5

Integrated flow control	Substitute
Without	7
With	8

Voltage codes and spare coils for 16 bar models

30 mm coil for connector interface acc. acc. EN 175 301-803, form A



Voltage	Power Inrush/Hold	Model	Code
12 V d.c.	4 W	V10633-A32N	32N
24 V d.c.	4 W	V10633-A33N	33N
110 V d.c.	4 W	V10633-A37N	37N
24 V a.c.	10/8 VA	V10633-A84N	84N
110/120 V 50/60 Hz	10/8 VA	V10633-A88N	88N
220/240 V 50/60 Hz	10/8 VA	V10633-A89N	89N

Other Voltages available on request.

Connector plug - ordered separately

30 mm, EN 175301-803 (DIN 43650 B) Form A 2-pole + PE



0570275

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IMPORTANT INFO:
This datasheet section contains information about ISO*Star valve assemblies to be used in ATEX environments.
Please strictly follow the technical recommendation and only use the bodies and coils listed in this section to ensure ATEX compliance and safety.

In this section you will be able to find:

- Valve bodies
- ATEX certified coils
- Non-ATEX certified coils



IMPORTANT NOTE

Only coils marked as ATEX certified hold an official ATEX certification and are applicable in explosive environments

Assembled ATEX certified coils and bodies in this section do not hold an official ATEX certification, but the assembly can be used in ATEX environments, following valve assembly risk assessment carried out by the customer.

Only ATEX certified coils found in this section can be mounted on the bodies found in this section to configure a valve assembly with different coil specifications to be used in ATEX environments, following risk assessment carried out by the customer.

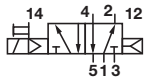
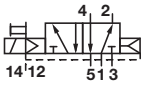
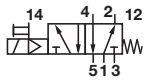
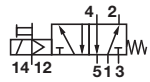
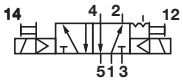
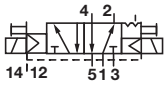
NEVER mix bodies and coils from this datasheet section to bodies and coils found in the previous datasheet section (non ATEX environments).

If you require detailed information about ATEX zones compliance, please contact IMI technical support.

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VALVE BODIES (NON-ATEX CERTIFIED)

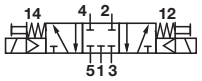
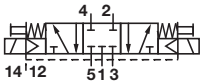
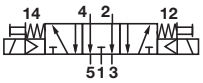
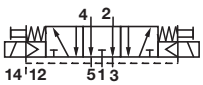
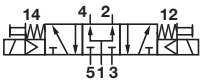
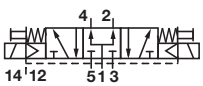
5/2 Solenoid pilot actuated valves – 10 bar models

Symbol	Port size	Flow regulator	Actuation	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model End solenoid actuated valves
	1	–	Solenoid/air spring	Internal	1230	1 ... 10	–	0,33	1	SXE9573-170-0#K
	2	–	Solenoid/air spring	Internal	2450	1 ... 10	–	0,59	1	SXE9574-170-0#K
	3	–	Solenoid/air spring	Internal	4400	1 ... 10	–	0,85	1	SXE9575-170-0#K
	1	Built-in	Solenoid/air spring	Internal	1230	1 ... 10	–	0,33	1	SXE9573-180-0#K
	2	Built-in	Solenoid/air spring	Internal	2450	1 ... 10	–	0,59	1	SXE9574-180-0#K
	1	–	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 10	0,33	1	SXE9573-175-0#K
	1	Built-in	Solenoid/air spring	External *3)	1230	-0,9 ... 16	1 ... 10	0,33	1	SXE9573-185-0#K
	2	–	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 10	0,59	1	SXE9574-175-0#K
	3	–	Solenoid/air spring	External *3)	4400	-0,9 ... 16	1 ... 10	0,85	1	SXE9575-175-0#K
	2	Built-in	Solenoid/air spring	External *3)	2450	-0,9 ... 16	1 ... 10	0,59	1	SXE9574-185-0#K
	1	–	Solenoid/spring	Internal	1230	1,8 ... 10	–	0,33	1	SXE9573-171-0#K
	2	–	Solenoid/spring	Internal	2450	1,8 ... 10	–	0,59	1	SXE9574-171-0#K
	3	–	Solenoid/spring	Internal	4400	1,8 ... 10	–	0,85	1	SXE9575-171-0#K
	1	Built-in	Solenoid/spring	Internal	1230	1,8 ... 10	–	0,33	1	SXE9573-181-0#K
	2	Built-in	Solenoid/spring	Internal	2450	1,8 ... 10	–	0,59	1	SXE9574-181-0#K
	1	–	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 10	0,33	1	SXE9573-176-0#K
	2	–	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 10	0,59	1	SXE9574-176-0#K
	3	–	Solenoid/spring	External *3)	4400	-0,9 ... 16	1,8 ... 10	0,85	1	SXE9575-176-0#K
	1	Built-in	Solenoid/spring	External *3)	1230	-0,9 ... 16	1,8 ... 10	0,33	1	SXE9573-186-0#K
	2	Built-in	Solenoid/spring	External *3)	2450	-0,9 ... 16	1,8 ... 10	0,59	1	SXE9574-186-0#K
	1	–	Solenoid/solenoid	Internal	1230	2 ... 10	–	0,45	2	SXE0573-150-0#K
	2	–	Solenoid/solenoid	Internal	2450	2 ... 10	–	0,72	2	SXE0574-150-0#K
	3	–	Solenoid/solenoid	Internal	4400	2 ... 10	–	0,96	2	SXE0575-150-0#K
	1	Built-in	Solenoid/solenoid	Internal	1230	2 ... 10	–	0,45	2	SXE0573-160-0#K
	2	Built-in	Solenoid/solenoid	Internal	2450	2 ... 10	–	0,72	2	SXE0574-160-0#K
	1	–	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 10	0,45	2	SXE0573-155-0#K
	2	–	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 10	0,72	2	SXE0574-155-0#K
	3	–	Solenoid/solenoid	External *3)	4400	-0,9 ... 16	2 ... 10	0,96	2	SXE0575-155-0#K
	1	Built-in	Solenoid/solenoid	External *3)	1230	-0,9 ... 16	2 ... 10	0,45	2	SXE0573-165-0#K
	2	Built-in	Solenoid/solenoid	External *3)	2450	-0,9 ... 16	2 ... 10	0,72	2	SXE0574-165-0#K

Insert code for manual override: 0 = push and turn to lock; 1 = push only
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).
Note: Solenoids ordered separately - models see page 3

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5/3 Solenoid pilot actuated valves – 10 bar models

Symbol	Port size	Flow regulator	Actuation	Function	Pilot supply	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model End solenoid actuated valves
	1	–	Solenoid/solenoid	APB	Internal	1320	2 ... 10	–	0,45	2	SXE9673-150-0#K
	2	–	Solenoid/solenoid	APB	Internal	2520	2 ... 10	–	0,72	2	SXE9674-150-0#K
	3	–	Solenoid/solenoid	APB	Internal	4650	2 ... 10	–	0,96	2	SXE9675-150-0#K
	1	Built-in	Solenoid/solenoid	APB	Internal	1320	2 ... 10	–	0,45	2	SXE9673-160-0#K
	2	Built-in	Solenoid/solenoid	APB	Internal	2520	2 ... 10	–	0,72	2	SXE9674-160-0#K
	1	–	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2	SXE9673-155-0#K
	2	–	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2	SXE9674-155-0#K
	3	–	Solenoid/solenoid	APB	External *3)	4650	-0,9 ... 16	2 ... 10	0,96	2	SXE9675-155-0#K
	1	Built-in	Solenoid/solenoid	APB	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2	SXE9673-165-0#K
	2	Built-in	Solenoid/solenoid	APB	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2	SXE9674-165-0#K
	1	–	Solenoid/solenoid	COE	Internal	1320	2 ... 10	–	0,45	2	SXE9773-150-0#K
	2	–	Solenoid/solenoid	COE	Internal	2520	2 ... 10	–	0,72	2	SXE9774-150-0#K
	3	–	Solenoid/solenoid	COE	Internal	4650	2 ... 10	–	0,96	2	SXE9775-150-0#K
	1	Built-in	Solenoid/solenoid	COE	Internal	1320	2 ... 10	–	0,45	2	SXE9773-160-0#K
	2	Built-in	Solenoid/solenoid	COE	Internal	2520	2 ... 10	–	0,72	2	SXE9774-160-0#K
	1	–	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2	SXE9773-155-0#K
	2	–	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2	SXE9774-155-0#K
	3	–	Solenoid/solenoid	COE	External *3)	4650	-0,9 ... 16	2 ... 10	0,96	2	SXE9775-155-0#K
	1	Built-in	Solenoid/solenoid	COE	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2	SXE9673-165-0#K
	2	Built-in	Solenoid/solenoid	COE	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2	SXE9674-165-0#K
	1	–	Solenoid/solenoid	COP	Internal	1320	2 ... 10	–	0,45	2	SXE9873-150-0#K
	2	–	Solenoid/solenoid	COP	Internal	2520	2 ... 10	–	0,72	2	SXE9874-150-0#K
	3	–	Solenoid/solenoid	COP	Internal	4650	2 ... 10	–	0,96	2	SXE9875-150-0#K
	1	Built-in	Solenoid/solenoid	COP	Internal	1320	2 ... 10	–	0,45	2	SXE9873-160-0#K
	2	Built-in	Solenoid/solenoid	COP	Internal	2520	2 ... 10	–	0,72	2	SXE9874-160-0#K
	1	–	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2	SXE9873-155-0#K
	2	–	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2	SXE9874-155-0#K
	3	–	Solenoid/solenoid	COP	External *3)	4650	-0,9 ... 16	2 ... 10	0,96	2	SXE9875-155-0#K
	1	Built-in	Solenoid/solenoid	COP	External *3)	1320	-0,9 ... 16	2 ... 10	0,45	2	SXE9873-165-0#K
	2	Built-in	Solenoid/solenoid	COP	External *3)	2520	-0,9 ... 16	2 ... 10	0,72	2	SXE9874-165-0#K

Insert code for manual override: 0 = push and turn to lock; 1 = push only

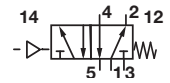
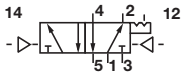
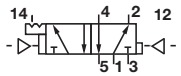
*3) External pilot supply for ISO1 at port 14 only; ISO2 and ISO3 at port 12 or 14 (unconnected port 12 or 14 has to be plugged).

Note: Solenoids ordered separately - models see page 3

Valve function: APB = All Ports Blocked
COE = Centre Open Exhaust
COP = Centre Open Pressure

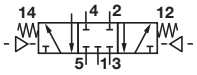
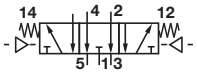
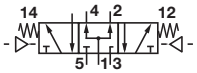
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5/2 air pilot actuated valves – 16 bar models

Symbol	Port size	Flow regulator	Actuation	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model
	1	–	Air/spring	1230	-0,9 ... 16	1,8 ... 16	0,21	5	SXP9573-170-00
	2	–	Air/spring	2450	-0,9 ... 16	1,8 ... 16	0,45	5	SXP9574-170-00
	3	–	Air/spring	4400	-0,9 ... 16	1,8 ... 16	0,72	5	SXP9575-170-00
	1	Built-in	Air/spring	1230	-0,9 ... 16	1,8 ... 16	0,21	5	SXP9573-180-00
	2	Built-in	Air/spring	2450	-0,9 ... 16	1,8 ... 16	0,45	5	SXP9574-180-00
	1	–	Air/air	1230	-0,9 ... 16	2 ... 16	0,30	6	SXP0573-170-00
	2	–	Air/air	2450	-0,9 ... 16	2 ... 16	0,50	6	SXP0574-170-00
	3	–	Air/air	4400	-0,9 ... 16	2 ... 16	0,72	6	SXP0575-170-00
	1	Built-in	Air/air	1230	-0,9 ... 16	2 ... 16	0,30	6	SXP0573-180-00
	2	Built-in	Air/air	2450	-0,9 ... 16	2 ... 16	0,50	6	SXP0574-180-00
	1	–	Air/air *2)	1230	-0,9 ... 16	2 ... 16	0,30	6	SXP1573-170-00
	2	–	Air/air *2)	2450	-0,9 ... 16	2 ... 16	0,50	6	SXP1574-170-00
	3	–	Air/air *2)	4400	-0,9 ... 16	2 ... 16	0,72	6	SXP1575-170-00

*2) Pilot side 14 priority

5/3 air pilot actuated valves – 16 bar models

Symbol	Port size	Flow regulator	Actuation	Function	Flow (l/min)	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Drawing No.	Model
	1	–	Air/air	APB	1230	-0,9 ... 16	1,8 ... 16	0,25	6	SXP9673-170-00
	2	–	Air/air	APB	2450	-0,9 ... 16	1,8 ... 16	0,58	6	SXP9674-170-00
	3	–	Air/air	APB	4400	-0,9 ... 16	1,8 ... 16	0,8	6	SXP9675-170-00
	1	Built-in	Air/air	APB	1230	-0,9 ... 16	1,8 ... 16	0,25	6	SXP9673-180-00
	2	Built-in	Air/air	APB	2450	-0,9 ... 16	1,8 ... 16	0,58	6	SXP9674-180-00
	1	–	Air/air	COE	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9773-170-00
	2	–	Air/air	COE	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9774-170-00
	3	–	Air/air	COE	4400	-0,9 ... 16	2 ... 16	0,80	6	SXP9775-170-00
	1	Built-in	Air/air	COE	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9773-180-00
	2	Built-in	Air/air	COE	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9774-180-00
	1	–	Air/air	COP	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9873-170-00
	2	–	Air/air	COP	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9874-170-00
	3	–	Air/air	COP	4400	-0,9 ... 16	2 ... 16	0,80	6	SXP9875-170-00
	1	Built-in	Air/air	COP	1230	-0,9 ... 16	2 ... 16	0,25	6	SXP9873-180-00
	2	Built-in	Air/air	COP	2450	-0,9 ... 16	2 ... 16	0,58	6	SXP9874-180-00

Valve function: APB = All Ports Blocked,
COE = Centre Open Exhaust,
COP = Centre Open Pressure

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ATEX CERTIFIED COILS

Solenoid actuators - ordered separately

	Voltage	Power consumption (mA)	Rated current	Ex-Protection	IP-Protection class (to EN 60529) / Ex-Protection (ATEX-Category)	Temperature Ambient/ Fluid (°C)	Electrical connection	Weight (kg)	Dimension No	Circuit diagram No	Model Current	Model Old
	24 V d.c.*)	207	5,0 W	II2G II2D	Ex mb IIC T4 Gb Ex mb tb T130°C Db	-15 ... +50	Cable H05V2V2-F 3G1 Length: 3 m	0,3	13	14	306002400	TM3902-AT
	48 V d.c.*)	98	4,7 W							14	306004800	–
	110 V d.c.*)	45	5,0 W							14	306011000	–
	24 V a.c. *)	192	4,6 VA							15	306102450	–
	48 V a.c. *)	98	4,7 VA							15	306104850	–
	110 V a.c. *)	41	4,5 VA							15	306111050	TM3947-AT
	230 V a.c. *)	22	5,1 VA							15	306123050	TM3948-AT
	24 V d.c.*)	115	2,8 W	II2G II2D	Ex mb IIC T5 Gb Ex mb tb T95°C Db					14	306202400	TM2002-AT
	48 V d.c.*)	38	1,9 W							14	306204800	–
	110 V d.c.*)	23	2,6 W							14	306211000	–
	24 V a.c. *)	121	2,9 VA							15	306302450	TM2042-AT
	48 V a.c. *)	54	2,6 VA							15	306304850	TM2045-AT
	110 V a.c. *)	21	2,3 VA							15	306311050	TM2047-AT
	230 V a.c. *)	9	2,1 VA							15	306323050	TM2048-AT
	24 V d.c.	84	2,0 W	II3G II3D	Ex ec IIC T5 Gc TBC Ex tc IIIC T95° Dc IP65 (with connector)	-15 ... +50	With special connector DIN EN 175301-803 Form A	0,3	12	1	304602400	TM1702-AT
	24 V 50Hz	166	4,0 W								304702450	TM1742-AT
	24 V 60Hz	127	3,1 W								304702450	TM1742-AT
	110 V 50Hz	36	4,0 W								304711050	TM1746-AT
	110 V 60Hz	28	3,1 W								304711050	TM1746-AT
	120 V 60Hz	33	4,0 W								304711050	TM1746-AT
	230 V 50Hz	18	4,0 W								304723050	TM1748-AT
	230 V 60Hz	14	3,1 W								304723050	TM1748-AT
	240 V 60Hz	15	3,5 W								304723050	TM1748-AT

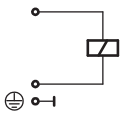
*) With AC voltage a system frequency of 50...60 Hz is permitted with DC voltage a max ripple of 20% is permitted
Standard voltage tolerance +/-10%.
The maximum permitted ambient temperature of solenoids with a single coil is 40°C with battery installation and 50°C in the case of single installation.
Detail information in Operating instructions for solenoids Type 3046, 3047: 750347400000050.03.13
Detail information in Operating instructions for solenoids Type 306x: 750347300000050.01.13
Further version on request.

Approvals

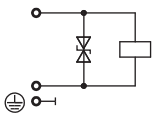
Model	Approvals ATEX	IECEx	FM	Datasheet
306x	PTB 03 ATEX 2015 X	–	–	N/en 7.1.560

Circuit diagramm

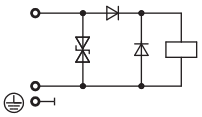
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14



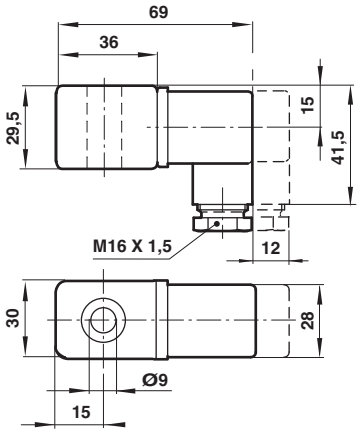
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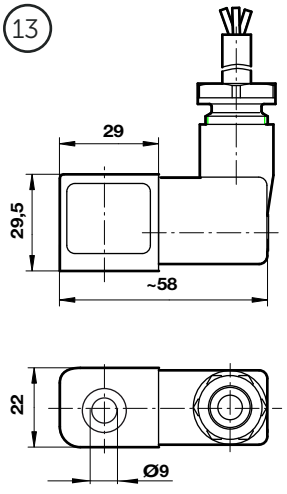
Dimensions in mm
Projection/First angle



12



13



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NON-ATEX CERTIFIED COILS

Solenoids - ordered separately

22 mm coil for connector interface acc. to industrial standard



Voltage	Power Inrush (Hold)	Model
12 V d.c.	3,5 W	TM1042
24 V d.c	3,5 W	TM1002
48 V d.c	3,5 W	TM1005
24 V 50/60 Hz	8,8/7,7 VA (7/6 VA)	TM1042
36 V 50/60 Hz	8,8/7,7 VA (7/6 VA)	TM1043
48 V 50/60 Hz	8,8/7,7 VA (7/6 VA)	TM1002
110/120 V 50/60 Hz	8,8/7,7 VA (7/6 VA)	TM1047
220/240 V 50/60 Hz	8,8/7,7 VA (7/6 VA)	TM1048

30 mm coil for connector interface acc. EN 175 301-803, form A



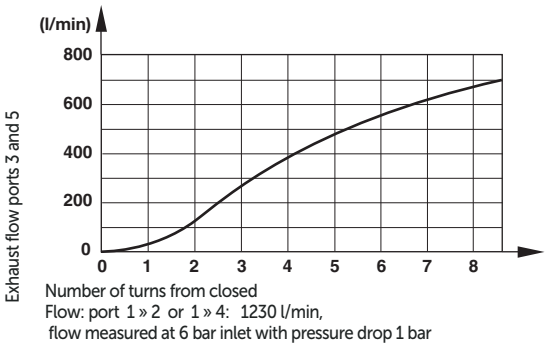
Voltage	Power Inrush (Hold)	Model
12 V d.c.	4,5 W	TM1542
12 V d.c.	2,0 W	TM1543
24 V d.c	2,0 W	TM1502
48 V d.c	2,0 W	TM1505
24 V 50/60 Hz	6,6/5,5 VA (4/3 VA)	TM1542
36 V 50/60 Hz	6,6/5,5 VA (4/3 VA)	TM1543
48 V 50/60 Hz	6,6/5,5 VA (4/3 VA)	TM1502
110/120 V 50/60 Hz	6,6/5,5 VA (4/3 VA)	TM1547
220/240 V 50/60 Hz	6,6/5,5 VA (4/3 VA)	TM1448

Connector plugs - ordered separately

Industrial standard 22 mm 2-pole + PE	30 mm, EN 175301-803 (DIN 43650 B) Form A 2-pole + PE
	
0657868	0570275

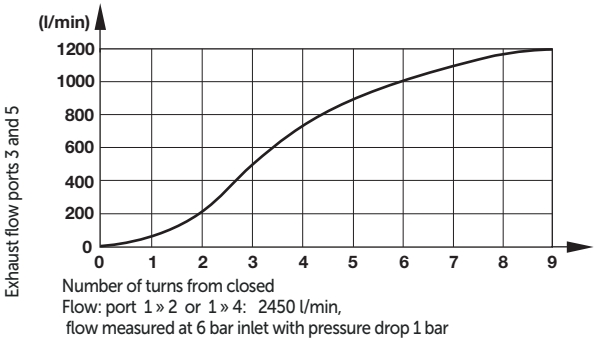
Exhaust flow characteristics for valves with integral flow regulators

ISO 1



Number of turns from closed
Flow: port 1 » 2 or 1 » 4: 1230 l/min,
flow measured at 6 bar inlet with pressure drop 1 bar

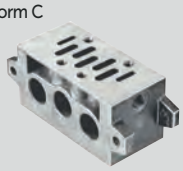
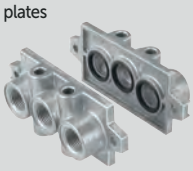
ISO 2



Number of turns from closed
Flow: port 1 » 2 or 1 » 4: 2450 l/min,
flow measured at 6 bar inlet with pressure drop 1 bar

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ATEX permissible accessories
Following accessories of the ISO*STAR series are applicable in Ex zones 1, 2, 21 and 22:
Sub-bases, end plates and blanking disc - VDMA 24345 sub-base options

ISO size	Single station sub-base, Form A side ported  Page 18 ISO G thread	NPT thread	Single station sub-base Form B bottom ported  Page 18 ISO G thread	Modular sub-base Form C  Page 18 ISO G thread	NPT thread	Form D End plates  Page 18 ISO G thread	NPT thread	Blanking disc for VDMA sub-bases *1)  Page 19 ISO G thread	NPT thread
1	M/P19126 (1/4)	C/P19126 (1/4)	M/P19125 (1/4)	CQM/22152/3/21	239-238B	CQM/22152/3/22	239-289B	FP 8382	239-251
2	M/P19132 (3/8)	C/P19132 (3/8)	M/P19131 (3/8)	CQM/22253/3/21	239-242B	CQM/22253/3/22	239-291B	FP 8482	239-252
3	M/P19138 (1/2)	C/P19138 (1/2)	M/P19137 (1/2)	CQM/22354/3/21	239-246B	CQM/22354/3/22	239-293B	FP 8582	239-253

Universal sub-base options for ISO G parallel threads only

ISO size	Modular base with side, end and bottom ports open  Page 20	Universal end plate, all ports blocked  Page 20	Universal end plate, side ports open  Page 20	Transition plate from ISO 1 » ISO 2  Page 20	Blanking disk for ISO 1 and ISO 2  Page 20
1	CQM/22152/3/27 (G1/4)	CQM/22152/3/28 (G1/4)	CQM/22152/3/31 (G1/4)	CQM/22152/3/29	M/P43173
2	CQM/22253/3/27 (G3/8)	CQM/22253/3/28 (G3/8)	CQM/22253/3/31 (G3/8)	CQM/22152/3/29	M/P43174

Accessories for ISO G parallel and NPT threads

ISO size	Blanking plate for VDMA and universal sub-bases  Page 19	Transition plate for VDMA sub-bases  Page 19	Flow regulator plate, ports 3 and 5 regulated  Page 17
1	CQM/22152/3/23	CQM/22152/3/24 (1 » 2)	–
2	CQM/22253/3/23	CQM/22253/3/24 (2 » 3)	–
3	CQM/22354/3/23	FP8570 (1 » 3)	CQM/22354/3/26

Sandwich plates - ISO size 1

ISO size	Single pressure regulator plate, port 1 regulated  Page 21	Single pressure regulator plate, port 1 regulated  Page 21	Single pressure regulator plate, port 2 regulated  Page 21	Single pressure regulator plate, port 4 regulated  Page 21	Double pressure regulator plate, port 2 & 4 regulated  Page 22
1	V71010-KB1 (Regulator on side 14)	V71011-KB1 (Regulator on side 12)	V71012-KB2	V71012-KB3	V71012-KB4

Accessories for ISO G parallel and NPT threads - NON ATEX

ISO size	Silencer  Page 17	Sandwich plate with check valves  Page 23
1	0015510	FP7050
2		–
3		FP7070

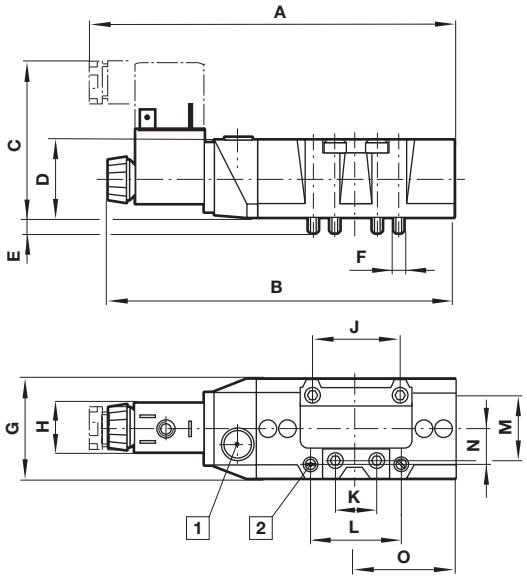
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NON ATEX DRAWINGS

Dimensions in mm
Projection/First angle

SXE957*–A models
Single end solenoid pilot valves

1

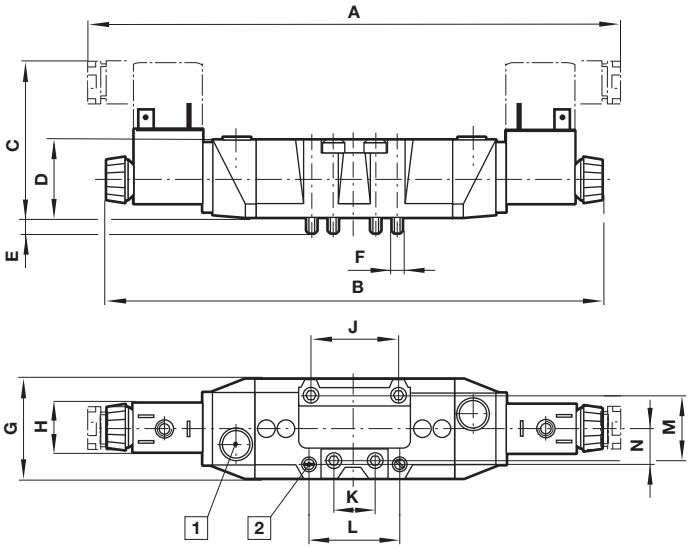


ISO size	A	B	C	D	E	F	G	H	J
1	154	146	66	33	7,5	M5	42	22/30	36
2	181	173	71	42	8	M6	55	22/30	48
3	207,5	197	72	43	11,5	M8	62,5	22/30	64

ISO size	K	L	M	N	O	kg	Model
1	18	38	28	15	42	0,33	SXE9573-A...
2	24	48	38	20	53	0,59	SXE9574-A...
3	32	–	48	–	65,5	0,85	SXE9575-A...

SXE057*–A and SXE9*7*–A models
Double end solenoid pilot valves

2



[1] Manual override
[2] Flow regulators

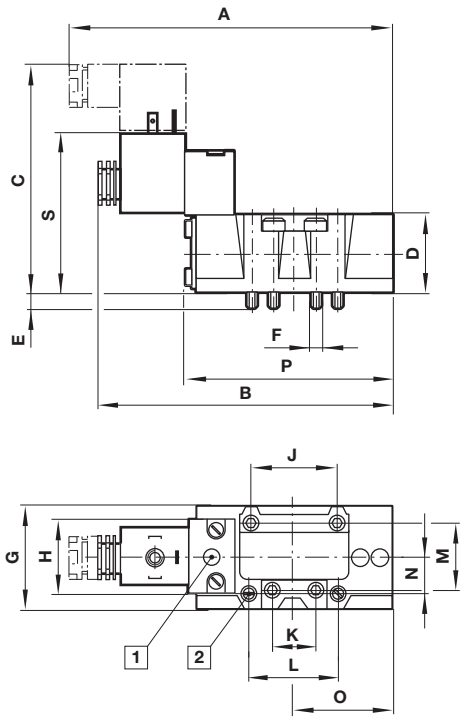
ISO size	A	B	C	D	E	F	G	H	J
1	222	204	65	33	7,5	M5	42	22/30	36
2	255	239	71	42	8	M6	55	22/30	48
3	284	263	72	43	11,5	M8	62,5	22/30	64

ISO size	K	L	M	N	kg	Model
1	18	38	28	15	0,45	SXE0573-A..., SXE9.73-A...
2	24	48	38	20	0,72	SXE0574-A..., SXE9.74-A...
3	32	–	48	–	0,96	SXE0575-A..., SXE9.75-A...

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SXE957*-Z models
Single CNOMO solenoid pilot valves

3

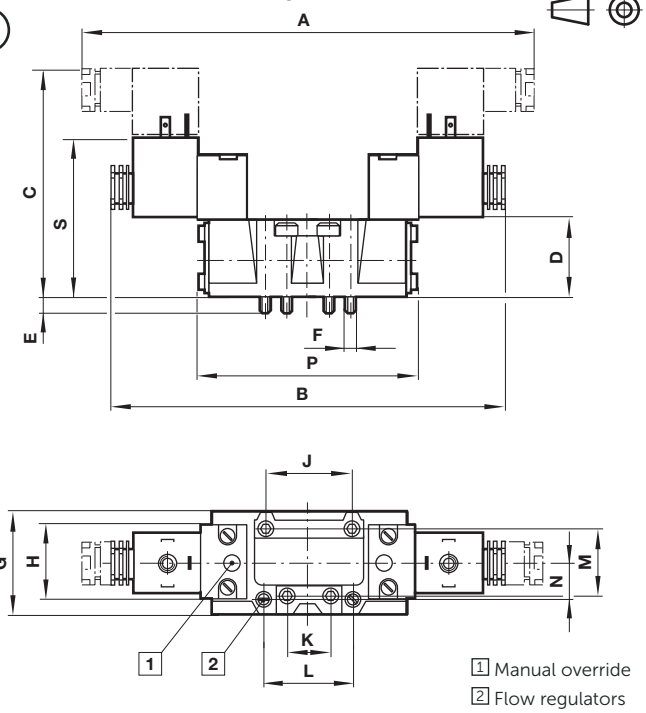


ISO size	A	B	C	D	E	F	G	H	J	K
1	137,5	128	98	33	7,5	M5	42	32	36	18
2	157,5	148	107	42	8	M6	55	32	48	24
3	181	170	108	43	11,5	M8	62,5	32	64	32
ISO size	L	M	N	O	P	S	kg		Model	
1	38	28	15	42	88	62	0,6		SXE9573-Z...	
2	48	38	20	53	112	71	0,8		SXE9574-Z...	
3	–	48	–	65,5	135,5	78,5	1,0		SXE9575-Z...	

SXE057*-Z and SXE9*7*-Z models
Double CNOMO solenoid pilot valves

Dimensions in mm
Projection/First angle

4



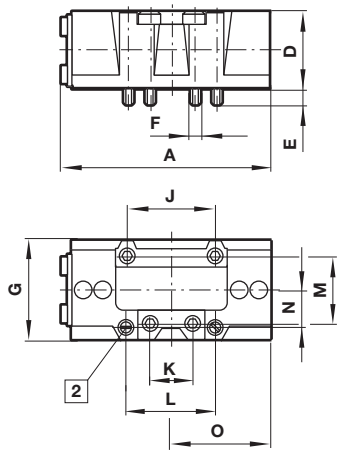
1 Manual override
2 Flow regulators

ISO size	A	B	C	D	E	F	G	H	J	K
1	191	171	89	33	7,5	M5	42	32	36	18
2	208	189	107	42	8	M6	55	32	48	24
3	231	212	108	43	11,5	M8	62,5	32	64	32
ISO size	L	M	N	P	S	kg	Model			
1	38	28	15	92,5	62	1,0	SXE0573-Z..., SXE9.73-Z...			
2	48	38	20	119	71	1,2	SXE0574-Z..., SXE9.74-Z...			
3	–	48	–	140 (142)	78,5	1,4	SXE0575-Z..., SXE9.75-Z...			

( ) for 5/3 way valves

SXP957* models
Single air pilot valve

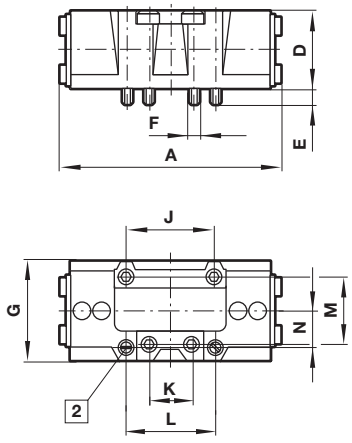
5



ISO size	A	D	E	F	G	J	K
1	88	33	7,5	M5	42	36	18
2	112	42	8	M6	55	48	24
3	135,5	43	11,5	M8	62,5	64	32
ISO size	L	M	N	O	kg	Model	
1	38	28	15	42	0,3	SXP9573-..., SXP*573-...	
2	48	38	20	53	0,5	SXP9574-..., SXP*574-...	
3	–	48	–	65,5	0,7	SXP9575-..., SXP*574-...	

SXP*57*, SXP967*, SXP977* & SXP987* models
Double air pilot valve

6



2 Flow regulators

ISO size	A	D	E	F	G	J	K
1	92,5	33	7,5	M5	42	36	18
2	119	42	8	M6	55	48	24
3	140 (142)	43	11,5	M8	62,5	64	32
ISO size	L	M	N	kg		Model	
1	38	28	15	0,3		SXP0573-..., SXP9*73-...	
2	48	38	20	0,5		SXP*574-..., SXP9*74-...	
3	–	48	–	0,7		SXP*575-..., SXP9*75-...	

( ) for 5/3 way valves

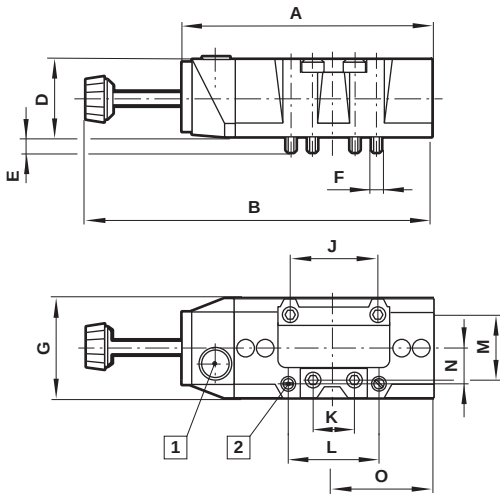
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ATEX DRAWINGS

Dimensions in mm
Projection/First angle

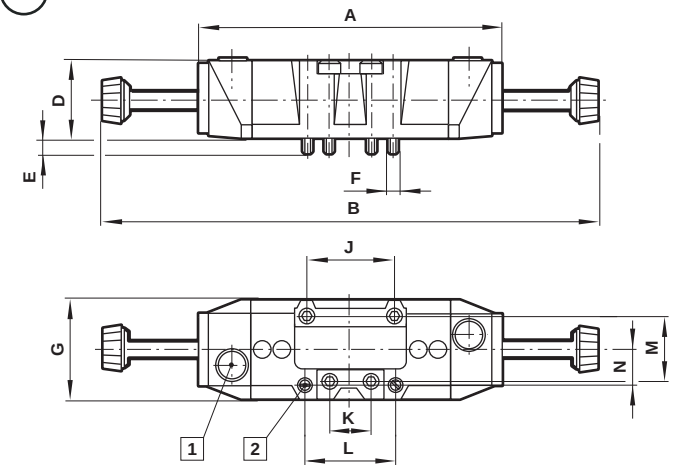
SXE957*–A models
Single end solenoid pilot valves

1



SXE057*–A and SXE9*7*–A models
Double end solenoid pilot valves

2



1 Manual override
2 Flow regulators

Single end solenoid pilot valves

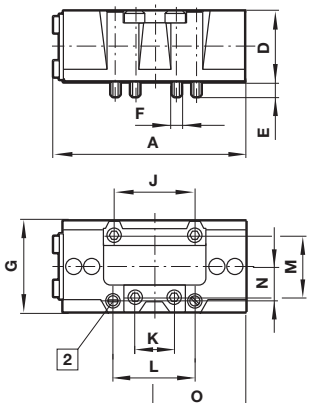
ISO size	A	B	D	E	F	G	H	J
1	107	144	33	7,5	M5	42	22	36
2	135	173	42	8	M6	55	22	48
3	158	197	43	11,5	M8	62,5	22	64
ISO size	K	L	M	N	O	kg	Model	
1	18	38	28	15	42	0,33	SXE9573-1...	
2	24	48	38	20	53	0,59	SXE9574-1...	
3	32	-	48	-	65,5	0,85	SXE9575-1...	

Double end solenoid pilot valves

ISO size	A	B	D	E	F	G	H	J	K
1	129	204	33	7,5	M5	42	22	36	18
2	163	239	42	8	M6	55	22	48	24
3	185	263	43	11,5	M8	62,5	22	64	32
ISO size	L	M	N	O	kg		Model		
1	38	28	15	42	0,45		SXE0573-1..., SXE9.73-1...		
2	48	38	20	53	0,72		SXE0574-1..., SXE9.74-1...		
3	-	48	-	65,5	0,96		SXE0575-1..., SXE9.75-1...		

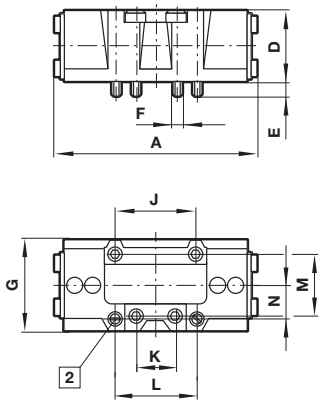
SXP957* models
Single air pilot valve

5



SXP057*, SXP967*, SXP977* models
Double air pilot valve

6



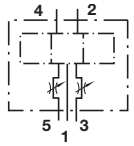
ISO size	A	D	E	F	G	J	K	M	kg	Model
1	92,5	33	7,5	M5	42	36	18	28	0,3	SXP9573-170-00
2	118	42	7	M6	55,5	48	24	38	0,5	SXP9574-170-00
3	134	43	11,5	M8	62,5	64	32	48	0,7	SXP9575-170-00

ISO size	A	D	E	F	G	J	K	M	kg	Model
1	88,5	33	7,5	M5	42	36	18	28	0,2	SXP0573-170-00
1	92,5	33	7,5	M5	42	36	18	28	0,3	SXP9.73-170-00
2	111	42	7	M6	55,5	48	24	38	0,4	SXP0574-170-00
2	118	42	7	M6	55,5	48	24	38	0,5	SXP9.74-170-00
3	134	43	11,5	M8	62,5	64	32	48	0,7	SXP0575-170-00
3	134	43	11,5	M8	62,5	64	32	48	0,7	SXP9.75-170-00

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Accessories for ISO G parallel and NPT threads - NON ATEX

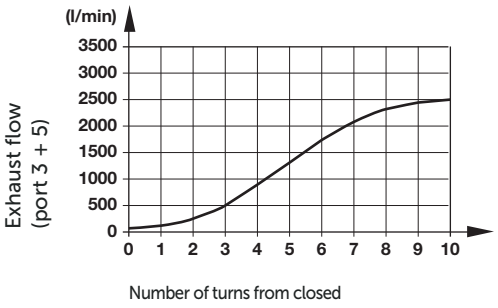
Flow regulator plate

Symbol	ISO size	Regulated port	Operation	Inlet pressure max. (bar)	Weight (kg)	Model
	3	3 and 5	Piston regulator	-0,9 ... 16	0,86	CQM/22354/3/26

Application:
Regulation of exhaust ports 3 and 5 allows easy cylinder speed control.

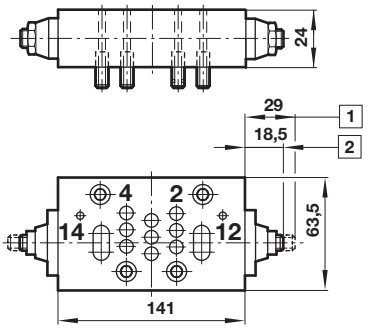
Note:
The regulator screw can be locked with the lock nut.

Flow characteristics (inlet pressure: 8 bar)



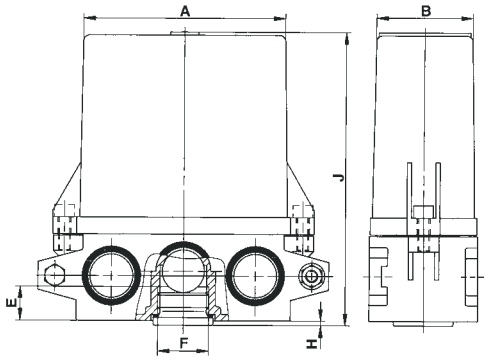
Dimensions

Dimensions in mm
Projection/First angle



1 Fully open
2 Fully closed

Silencer for VDMA & universal sub-bases with ISO G and NPT threads



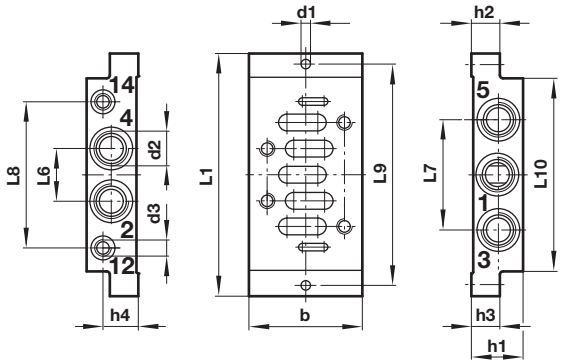
ISO size	A	B	E	F	H	J	Model
1	77	38	15	G3/8	2	122	0015510

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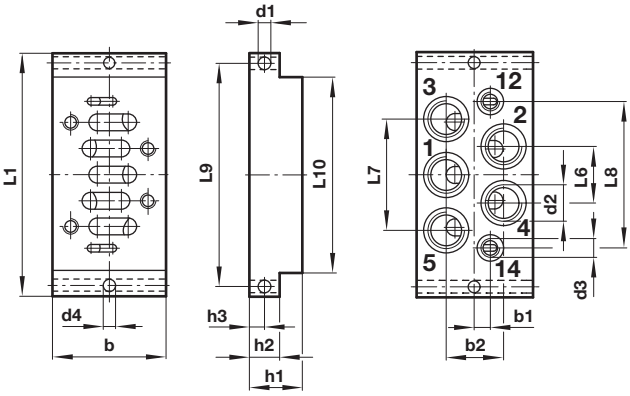
ATEX permissible accessories
Following accessories of the ISO*STAR series are applicable in Ex zones 1, 2, 21 and 22: Sub-bases and end plates

Dimensions in mm
Projection/First angle

VDMA 24345 sub-base options
Single station sub-base side ported (Form A) for ISO G and NPT threads



Single station sub-base bottom ported (Form B) for ISO G and NPT threads



ISO size	b	d1	d2	d3	h1	h2	h3	Model
1	48	5,5	1/4"	1/8"	32	10	10,5 (21,5)	#/P19126
2	57	6,6	3/8"	1/8"	40	13	14 (26)	#/P19132
3	71	6,6	1/2"	1/8"	32	18	179	#/P19138

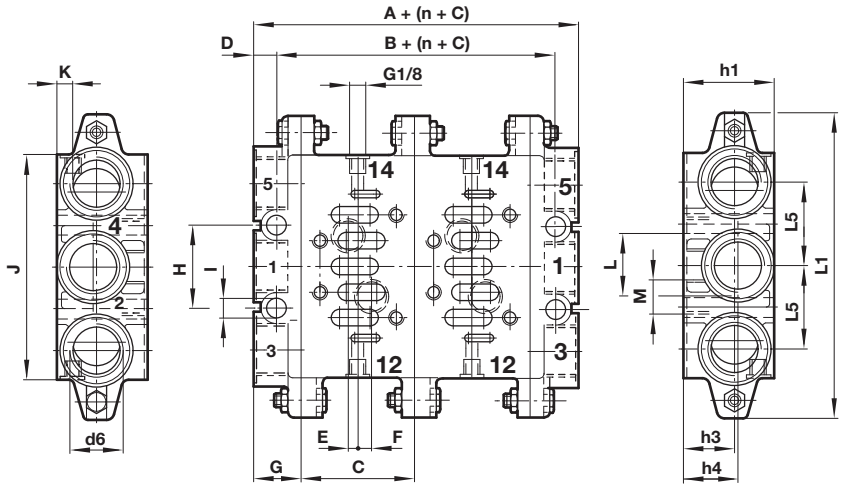
ISO size	h4	L1	L6	L7	L8	L9	L10	kg	Model
1	23,5	110	24	43	58	98	84	0,16	#/P19126
2	30	124	30	56	74	112	95	0,28	#/P19132
3	22	149	32	68	90	136	119	0,36	#/P19138

ISO size	b	b1	b2	d1	d2	d3	d4	h1	Model
1	46	7	23	5,5	1/4"	1/8"	5,5	30	#/P19125
2	56	8	27	6,6	3/8"	1/8"	6,6	35	#/P19131
3	71	10	34	6,6	1/2"	1/8"	6,69	32	#/P19137

ISO size	h2	h3	L1	L6	L7	L8	L9	L10	kg	Model
1	10	5	110	23	46	62	98	84	0,19	#/P19125
2	13	6,5	124	28	56	73	112	95	0,32	#/P19131
3	18	9	149	34	68	90	136	119	0,40	#/P19137

( ) Dimension for ports 3 and 5.
Insert 'M' for ISO G parallel or 'C' for NPT threads

Modular sub-bases (Form C) and end plates (Form D) for ISO G and NPT threads



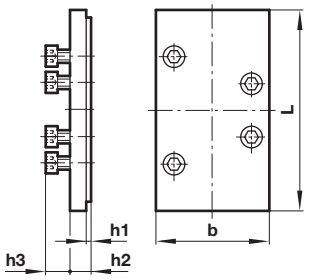
ISO size	A	B	C	D	E	F	G	H	I	kg	Model ISO G thread	Model NPT thread
1	44	22	43	11	1,5	7,5	22	28	7	0,24	CQM/22152/3/21	239-238B
2	52	26	56	13	5	6	26	35	9	0,36	CQM/22253/3/21	239-242B
3	60	30	71	15	6	8	30	52	12	0,72	CQM/22354/3/21	239-246B

ISO size	J	K	L	M	h1	h3	h4	L1	L5	d6	kg	Model ISO G thread	Model NPT thread
1	85	8,5	26	G1/4	46	21	24	110	28	3/8"	0,22	CQM/22152/3/22	239-289B
2	100	9	30	G3/8	47	22	24	135	28	1/2"	0,34	CQM/22253/3/22	239-291B
3	140	10	38	G1/2	56	31	34	190	52	1"	0,66	CQM/22354/3/22	239-293B

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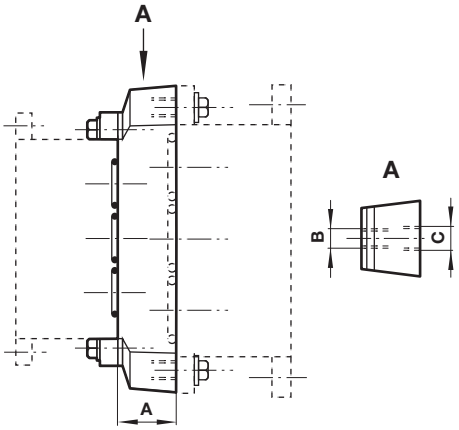
Blanking plate for VDMA & universal sub-bases with ISO G and NPT threads

Dimensions in mm
Projection/First angle



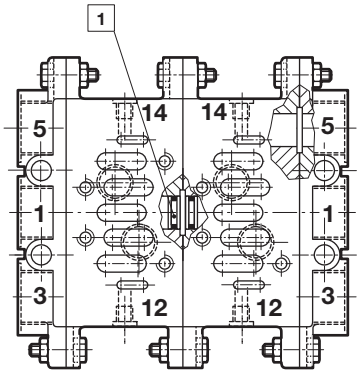
ISO size	b	L	h1	h2	h3	kg	Model
1	42	80	2	14	11	0,05	CQM/22152/3/23
2	55	85	2,5	12,5	13,5	0,09	CQM/22253/3/23
3	70	106	2,5	12,5	15,5	0,26	CQM/22354/3/23

Transition plate from ISO 1 » ISO 2, ISO 2 » ISO 3 and ISO1 » ISO 3 for VDMA sub-bases for ISO G and NPT threads



ISO size	A	B	C	kg	Model
1 » 2	25	M5	M6	0,35	CQM/22152/3/24
2 » 3	40	M6	M8	0,65	CQM/22253/3/24
1 » 3	34	M5	M8	0,90	FP8570

Blanking disc
FP8382, FP8482 & FP8582 for ISO G thread
239-251, 239-252 & 239-253 for NPT thread



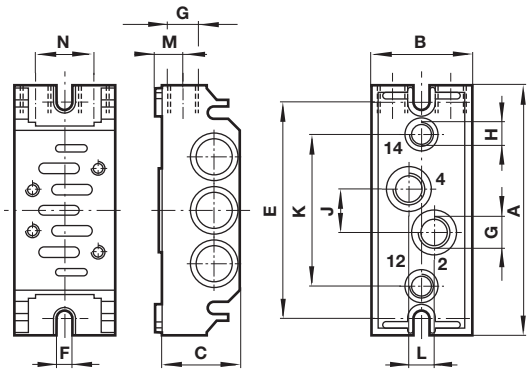
1 Blanking disc; FP8*82 or 239-25*

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Universal sub-base options for ISO G threads only

Dimensions in mm
Projection/First angle

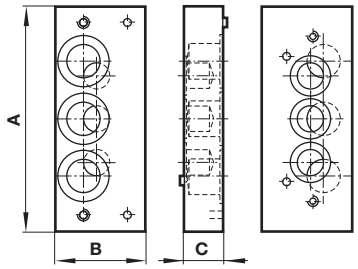
Modular base with side and bottom ports open



ISO size	A	B	C	E	F	G	H	J	K	L	M	N	kg	Model
1	106	43	36	92	5,5	G1/4	G1/8	18	64	11	12	28	0,16	CQM/22152/3/27
2	120	56	43	102	6,5	G3/8	G1/8	24	68	19	15	38	0,35	CQM/22253/3/27

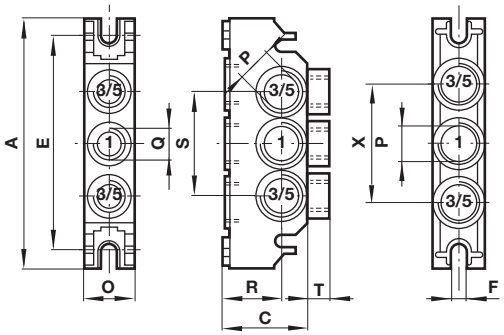
Screws, nuts, seals and plugs for ports 2 & 4 are in scope of delivery.

Transition plate from ISO 1 » ISO 2



ISO size	A	B	C	kg	Model
1 » 2	114	46	20	0,23	CQM/22152/3/29

Universal end plate, all ports blocked

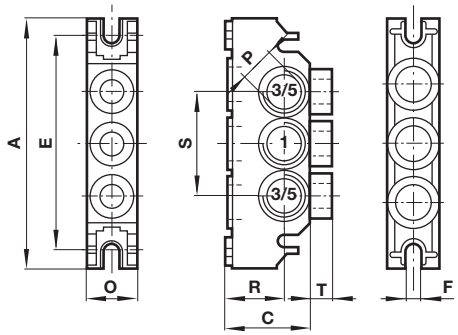


ISO size	A	C	E	F	0	P	Q	R	S	T	X	kg	Model
1	106	36	92	5,5	22	G3/8	G1/4	25	44	9	50	0,13	CQM/22152/3/28
2	120	46	102	6,5	29	G1/2	G1/4	31	58	7	58	0,23	CQM/22253/3/28

Drill dimensions for opening ports

G1/4	Ø 8
G3/8	Ø 15
G1/2	Ø 15

Universal end plate, side ports open



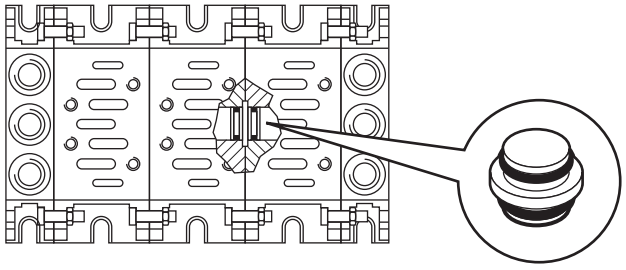
ISO size	A	C	E	F	0	P	R	S	T	kg	Model
1	106	36	92	5,5	22	G3/8	25	44	9	0,13	CQM/22152/3/31
2	120	46	102	6,5	29	G1/2	31	58	7	0,23	CQM/22253/3/31

Drill dimensions for opening ports

G1/4	Ø 8
G3/8	Ø 15
G1/2	Ø 15

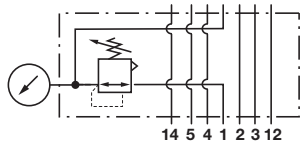
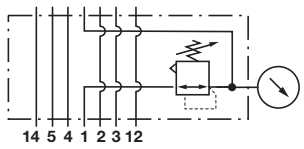
Blanking disc for ISO 1 and ISO 2 universal sub-bases

ISO size	kg	Model
1	0,01	M/P43173
2	0,03	M/P43174



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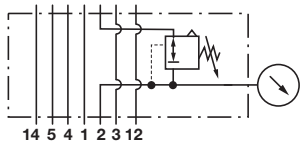
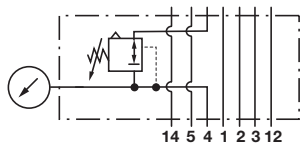
Sandwich single pressure regulator plate with pressure regulator on port 1

Symbol	ISO size	Regulator on side	Operation	Inlet pressure max. (bar)	Pressure range (bar)	Weight (kg)	Model
	1	14	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,6	V71010-KB1
	1	12	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,6	V71011-KB1

Application:
Pressure of port 1 can be regulated individually by using this intermediate plate.

Note:
Adjustment knob has push to lock feature.

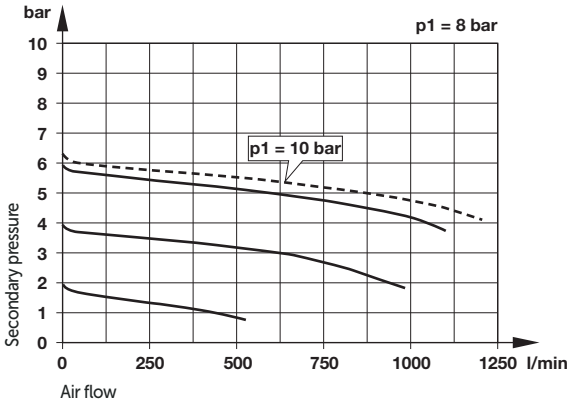
Sandwich single pressure regulator plate with pressure regulator on port 2 or port 4

Symbol	ISO size	Regulated port	Operation	Inlet pressure max. (bar)	Pressure range (bar)	Weight (kg)	Model
	1	2	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,39	V71012-KB2
	1	4	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,39	V71012-KB3

Application:
Pressure of port 2 and 4 can be regulated individually by using this intermediate plate.

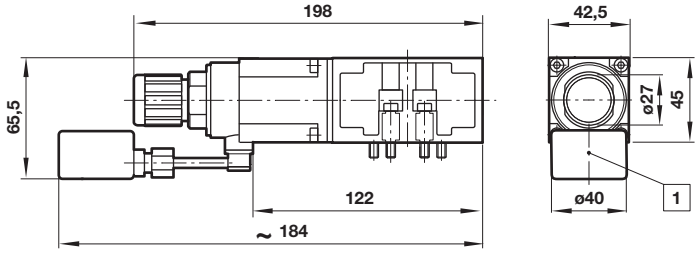
Note:
Adjustment knob has push to lock feature.

Flow characteristics (inlet pressure: 8 bar)



Dimensions:

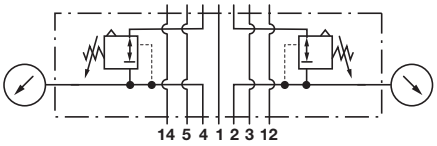
Dimensions in mm
Projection/First angle



1 Gauge

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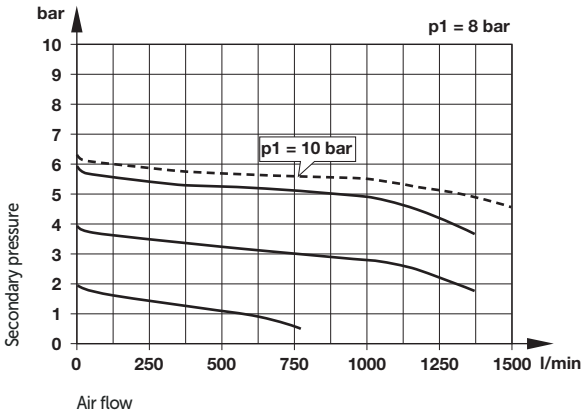
Sandwich double pressure regulator plate with double pressure regulator on port 2 and 4

Symbol	ISO size	Regulated port	Operation	Inlet pressure max. (bar)	Pressure range (bar)	Weight (kg)	Model
	1	2 and 4	Membrane pressure regulator with relieving valve	16	0,5 ... 12	0,39	V71012-KB4

Application:
Pressure of ports 2 and 4 can be regulated individually by using one of the intermediate plates.

Note:
Adjustment knob has push to lock feature.

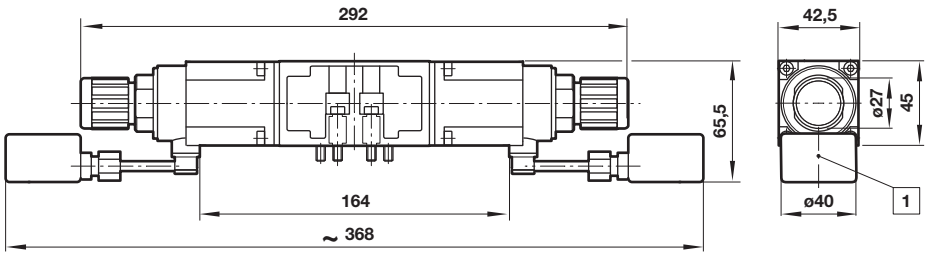
Flow characteristics (inlet pressure: 8 bar)



Dimensions:

Dimensions in mm
Projection/First angle



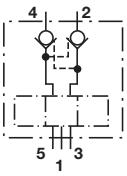


1 Gauge

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Accessories for ISO G parallel and NPT threads - NON ATEX

Sandwich plate with check valves

Symbol	ISO	Design	Flow (l/min)	Operating pressure (bar)	Weight (kg)	Model
	1	Poppet valves	500	3 ... 8	0,45	FP7050
	3	Poppet valves	3400	3 ... 8	2,05	FP7070

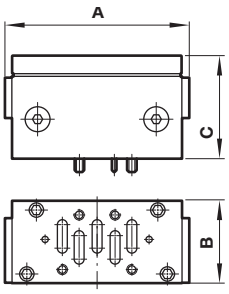
Application:
With this type of intermediate plate together with a 5/3-way valve, center position open, a piston movment can be stopped in any desired position. This position will kept during a long period.

Note:
Metal to metal sealed spool and sleeve valves have always a small amount of leak because of its design. Therefore 5/3-way valves, center position closed, are only applicable for short stops.

Caution: Not suitable for safety applications!

Dimensions

Dimensions in mm
Projection/First angle



ISO	A	B	C	Model
1	96	42	52	FP7050
3	165	62	95	FP7070

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »Technical features/data«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications,
consult Norgren.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

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