



SVM hydraulic joysticks with electromagnetic detent

SVM150 / SVM450 / SVM600

- Single, double and combined functions
- Wide range of handles available

Working conditions

This catalogue shows technical specifications and diagrams measured through mineral oil of 46mm²/s - 46 cSt viscosity at 40°C - 104°F temperature.

Nominal flow rating		from 5 to 20 l/min - from 1.32 to 5.28 USgpm
Max. feeding pressure	on P inlet port	from 30 to 100 bar - from 435 to 1450 psi
Max. backpressure	on T outlet port	3 bar - 43.5 psi
Max. hysteresis		0.5 bar - 7.25 psi
Internal leakage (all ports)	at 30 bar - 435 psi, P⇒T	from 2.5 to 4.5 cm ³ /min - from 0.15 to 0.27 in ³ /min
Fluid		Mineral oil
Fluid temperature	with NBR (BUNA-N) seals	from -10°C to 80°C - from 14 °F to 176 °F
	operating range	from 15 to 75 mm ² /s - from 15 to 75 cSt
Viscosity	min.	12 mm ² /s - 12 cSt
	max.	400 mm ² /s - 400 cSt
Max. contamination level		-/15/12 - ISO 4406 - NAS1638 class 6
Ambient temperature	without electric devices	from -40°C to 60°C - from 40 °F to 140 °F
	with electric devices	from -20°C to 50°C - from -4 °F to 122 °F
Tie rod tightening torque (wrench 13)	only for SVM150	24 Nm - 17.7 lbft

NOTE - for different conditions please contact our Sales Department.

REFERENCE STANDARD

	BSP	UN-UNF
THREAD ACCORDING TO	ISO 228/1	ISO 263
	BS 2779	ANSI B1.1 unified
CAVITY DIMENSION ACCORDING TO	ISO 1179	11926
	SAE	J11926
	DIN 3852-2 X or Y shape	

PORT THREADING

PORTS	UNI EN ISO 1179	Threads		Fitting tightening torque	
		UNI EN ISO 11926-2		Nm	lbft
		SVM150	SVM450-SVM600		
P inlet	G 1/4	7/16-20 (SAE 4)	9/16-18 (SAE 6)	30	22.13
Ports	G 1/4	7/16-20 (SAE 4)	9/16-18 (SAE 6)	30	22.13
T outlet	G 1/4	7/16-20 (SAE 4)	9/16-18 (SAE 6)	30	22.13

NOTE - These torques are recommended. Assembly tightening torque depends on many factors, including lubrication, coating and surface finishing. The manufacturer has to be consulted.

Dimensions and hydraulic circuit

Single axis type

Without detent or with detent on single working port or both working ports

Features

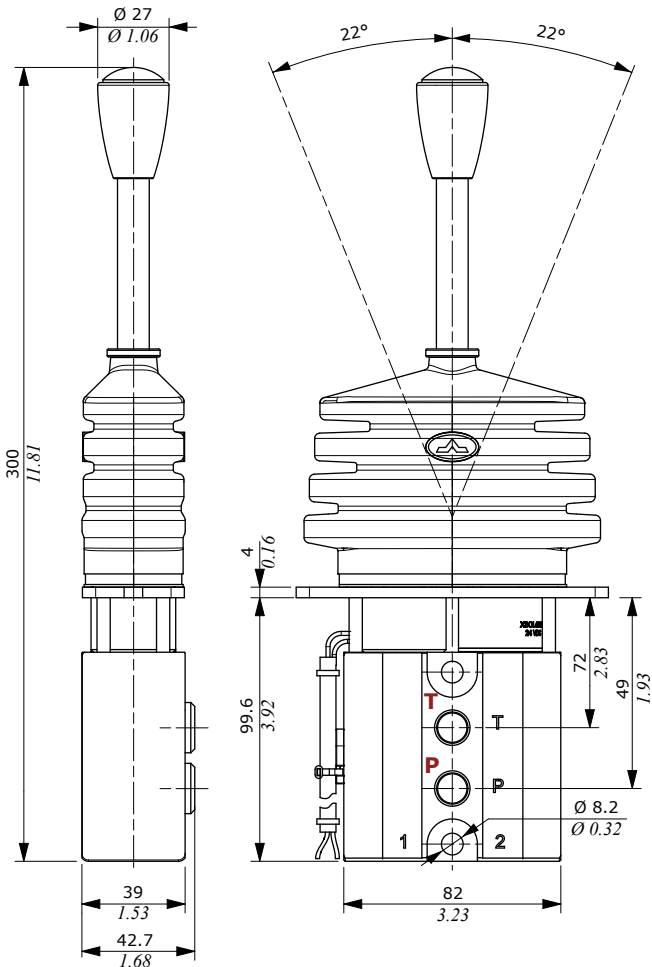
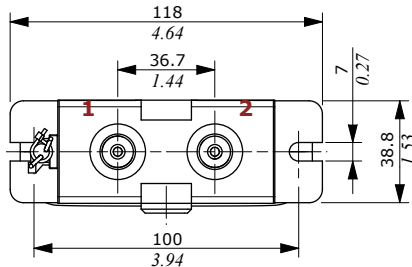
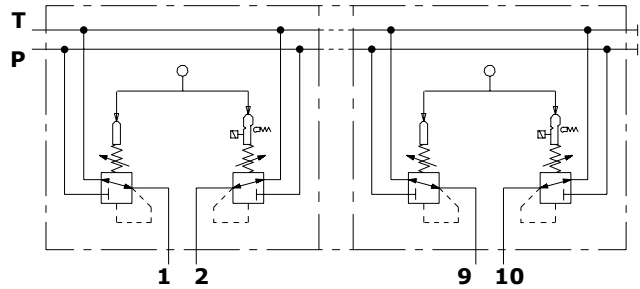
ELECTROMAGNET

- Nominal voltage tolerance : ±10%
- Power rating : 8.2 W
- Nominal current : 0.69 A - 12 VDC
: 0.345 A - 24VDC
- Coil insulation : Class H
- Weather protection : IP65
- Insertion : 100%

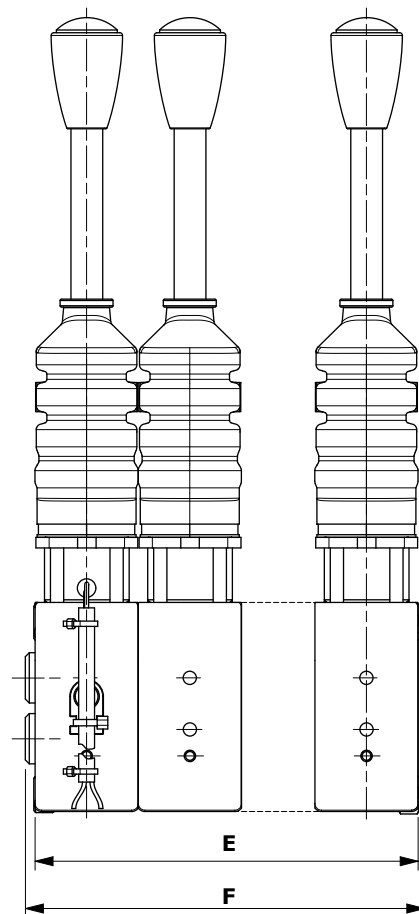
SVM150/n type

Multiple function configuration; up to 5 sections

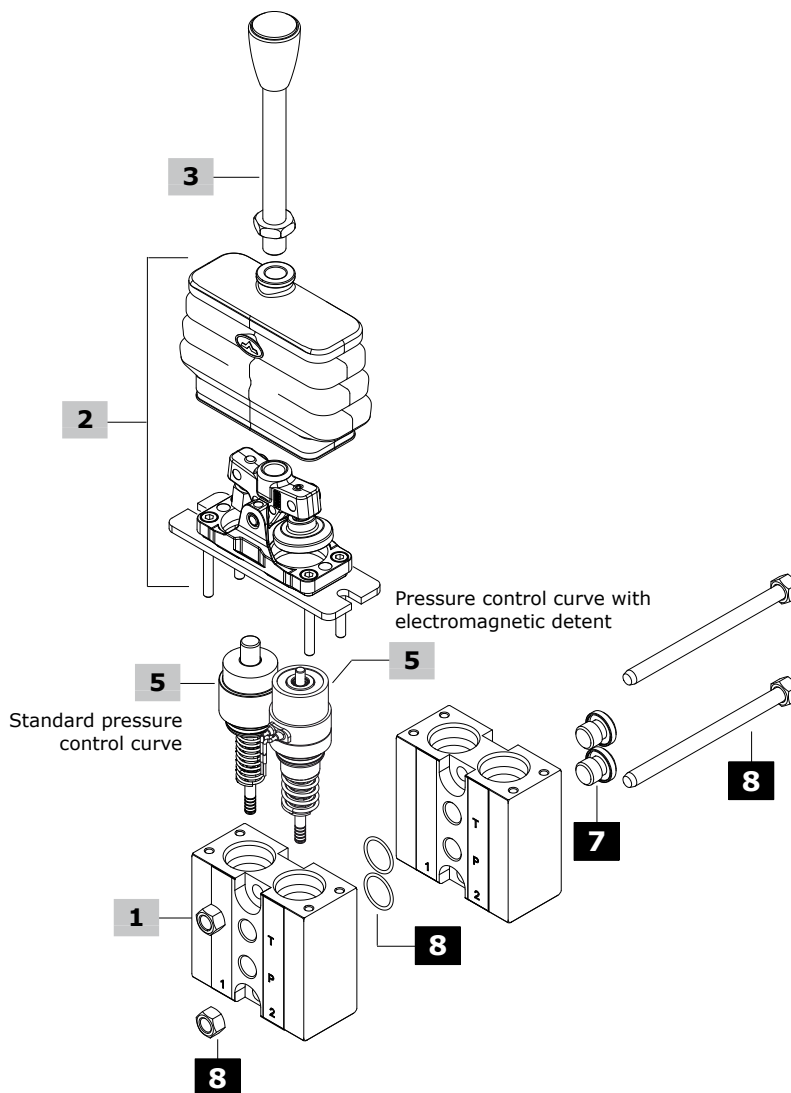
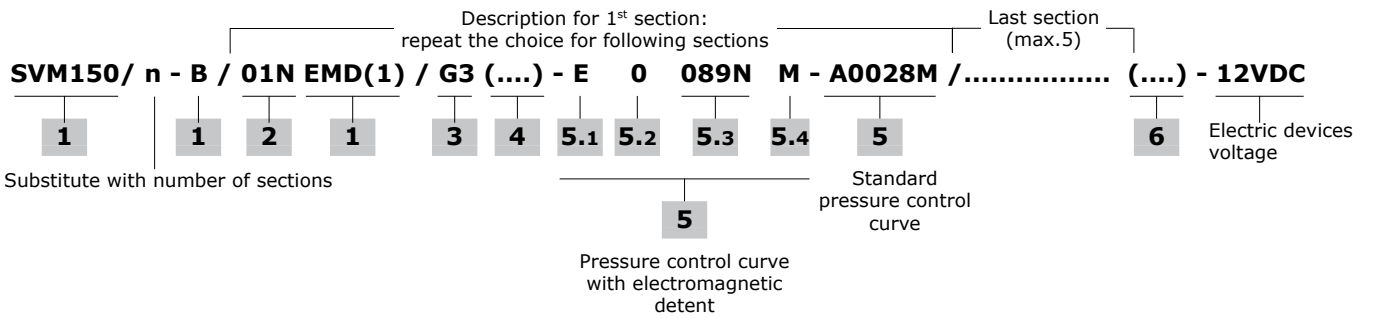
Hydraulic circuit



TYPE	E		F	
	mm	in	mm	in
SVM150/2	78	3.07	84	3.31
SVM150/3	117	4.61	123	4.84
SVM150/4	156	6.14	162	6.38
SVM150/5	195	7.68	201	7.91



Ordering codes



Ordering codes

1 Body kit *

TYPE: SVM150-B/EMD(0)	CODE: 5CO3132300
DESCRIPTION: Body without detent	
TYPE: SVM150-B/EMD(1)	CODE: 5CO3132301
DESCRIZIONE: Body with detent arrangement on port 1	
TYPE: SVM150-B/EMD(2)	CODE: 5CO3132302
DESCRIPTION: Body with detent arrangement on port 2	
TYPE: SVM150-B/EMD(1-2)	CODE: 5CO3132303
DESCRIPTION: Body with detent arrangement on ports 1 and 2	

2 Detent configuration

Complete with rubber bellow and fixing wrapper

TYPE	CODE	DESCRIPTION
01N(0D)	5CIN1010DN	Spring return to neutral position, without detent arrangement
01N(1D)	5CIN10110ND	Spring return to neutral position, single detent arrangement; right or left position is defined by pressure control curve position
01N(2D)	5CIN10120ND	Spring return to neutral position, double detent arrangement

NOTES: For detent arrangement on different ports, please contact our Sales Department.

The text between () can be omitted from composition description.

3 Standard handlevers

TYPE	CODE	DESCRIPTION
G3	5AST271218G	Ogival with portlight, straight rod (STANDARD)
G3(15)	5AST371227G	Ogival with portlight, 15° sloping rod
G3(30)	5AST371228G	Ogival with portlight, 30° sloping rod
E	5AST371215E	Spherical with portlight, 15° sloping rod

4 Handle position**Only for sploping rod**

TYPE	DESCRIPTION
(0)	Handlever oriented towards plugged P and T ports
(90)	Handlever oriented towards port 1
(180)	Handlever oriented towards open P and T ports
(270)	Handlever oriented towards port 2

5 Pressure control curves

For list available see from page 63

5.1 Curve type

TYPE	DESCRIPTION
A	Without pre-feeling, without solenoid
B	With pre-feeling, without solenoid
C	With solenoid 24VDC and pre-feeling
D	With solenoid 24VDC, without pre-feeling
E	With solenoid 12VDC, with pre-feeling
F	With solenoid 12VDC, without pre-feeling
G	With solenoid 24VDC and pre-feeling after step

5.2 Typology of curves

TYPE	DESCRIPTION
0	With step
1	Without step

5.3 Curve identification

Progressive number,

5.4 Return springs

TYPE	DESCRIPTION
M	Operation range from 18 to 25.5 N - <i>from 4.04 to 5.73 lbf</i>
A	Operation range from 23 to 35.2 N - <i>from 5.17 to 7.91 lbf</i>

6 Connector

Configurations with detent or microswitch are provided with wires with tin-plate terminals. For connectors please contact our Sales Department.

7 Closing plugs *

CODE	DESCRIPTION
3XTAP719150	G1/4 plug for rear ports closing (n. 2 plugs)

8 Assembling kit

This kit contains tie rods, nuts and O-ring seals.

CODE	DESCRIPTION
5TIR108081	Assembling kit for SVM150/2
5TIR108127	Assembling kit for SVM150/3
5TIR108159	Assembling kit for SVM150/4
5TIR108199	Assembling kit for SVM150/5

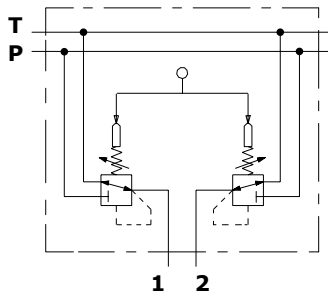
NOTE (*) – Codes are referred to **BSP** thread

Configuration option

Detent configuration

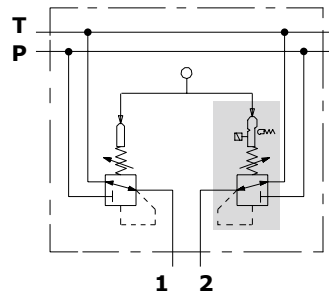
01/0D type

Spring return, without detent



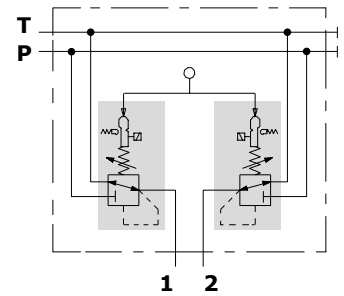
01/1D type

Single detent on port 2
(detent on port 1 on request), spring return



01/2D type

Double detent on ports 1 and 2,
spring return



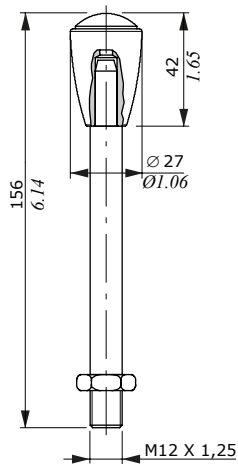
Standard handlevers

G type: Ogival handles with customizable portlight. It's possible to insert labels with specific machine functions (for example: lifting function): please contact our Sales Department.

E type: Spherical handle customizable as G type.

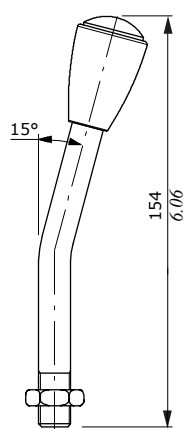
G type

straight rod



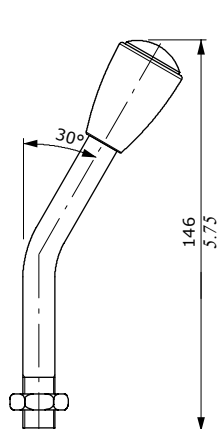
G(15) type

15° sloping rod



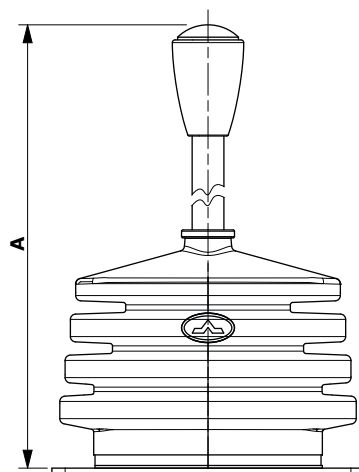
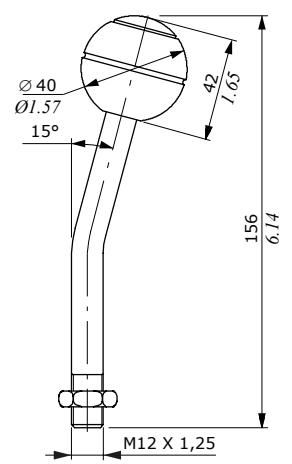
G(30) type

30° sloping rod



E type

15° sloping rod



Handlever Type	A	
	mm	in
G3 straight	196	7.72
G3 15° sloping	184	7.24
G3 30° sloping	176	6.23
E 15° sloping	186	7.32

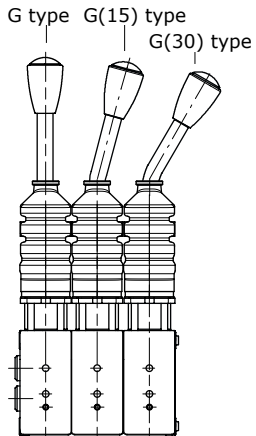
Configuration option

Standard hand levers

Mounting and orientation examples

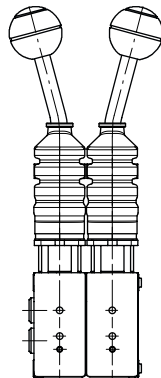
G type

pilot control valve with 3 sections

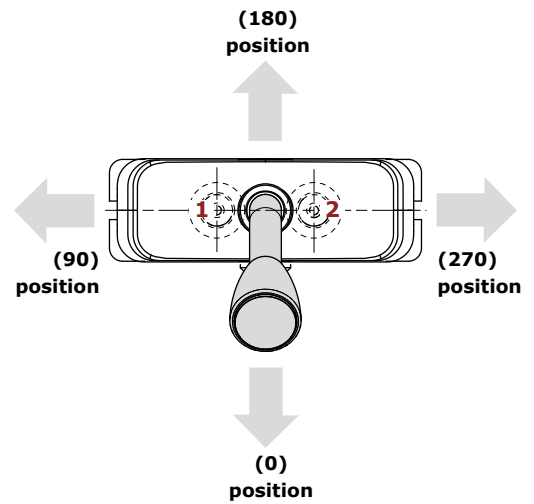


E type

pilot control valve with 2 sections

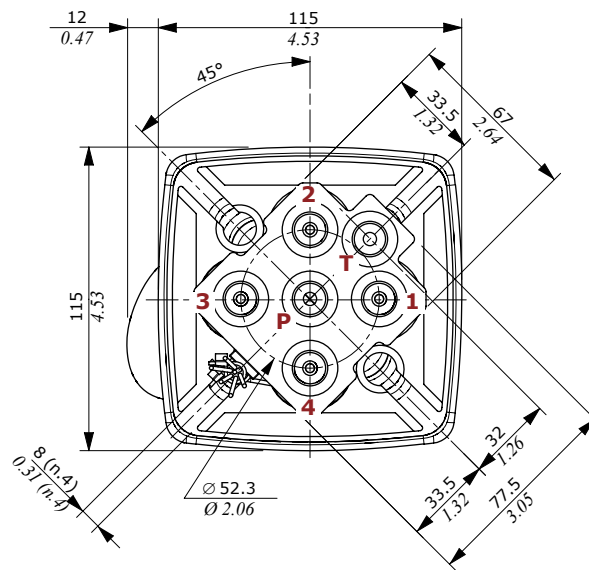
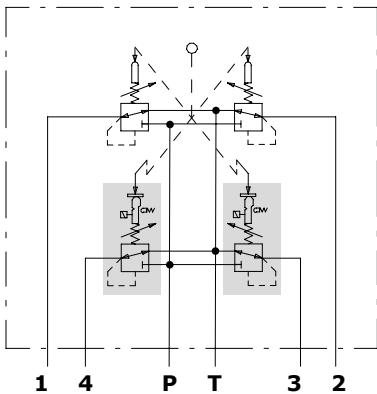


Sloping rod position



Dimensions and hydraulic circuit

hydraulic circuit
Example detent on working ports 3 e 4

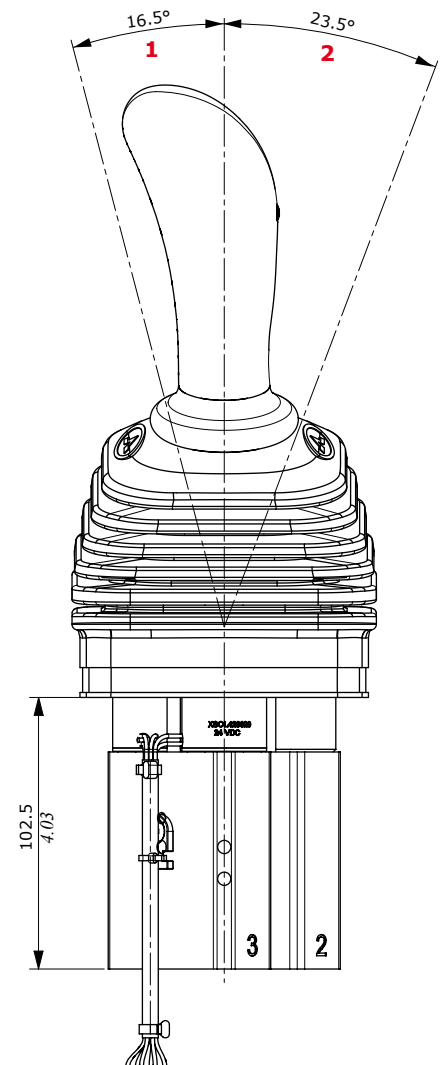
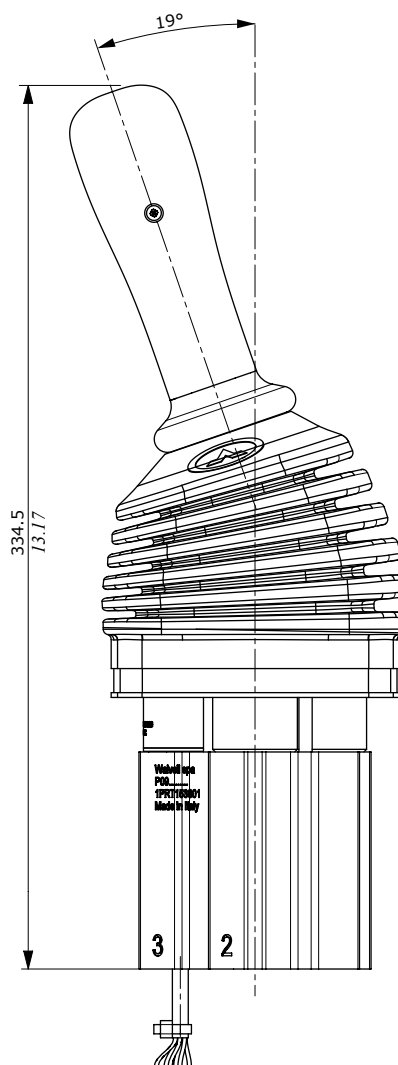


1 : Single work port
2 : Two simultaneous work ports

Features

ELECTROMAGNET

- Nominal voltage tolerance. : ±10%
- Power rating. : 8.2 W
- Nominal current : 0.69 A - 12 VDC
: 0.345 A - 24 VDC
- Coil insulation : Class H
- Weather protection : IP65
- Insertion : 100%



Ordering codes

SVM450-EMD(3-4)/ 8N 1 - B / 01N - V007 (....) - A 0 020 M-....-....-E0020NM - (....) - 12VDC

1

2

1

1

3

4

5

6.1

6.2

6.3

6.4

6

6

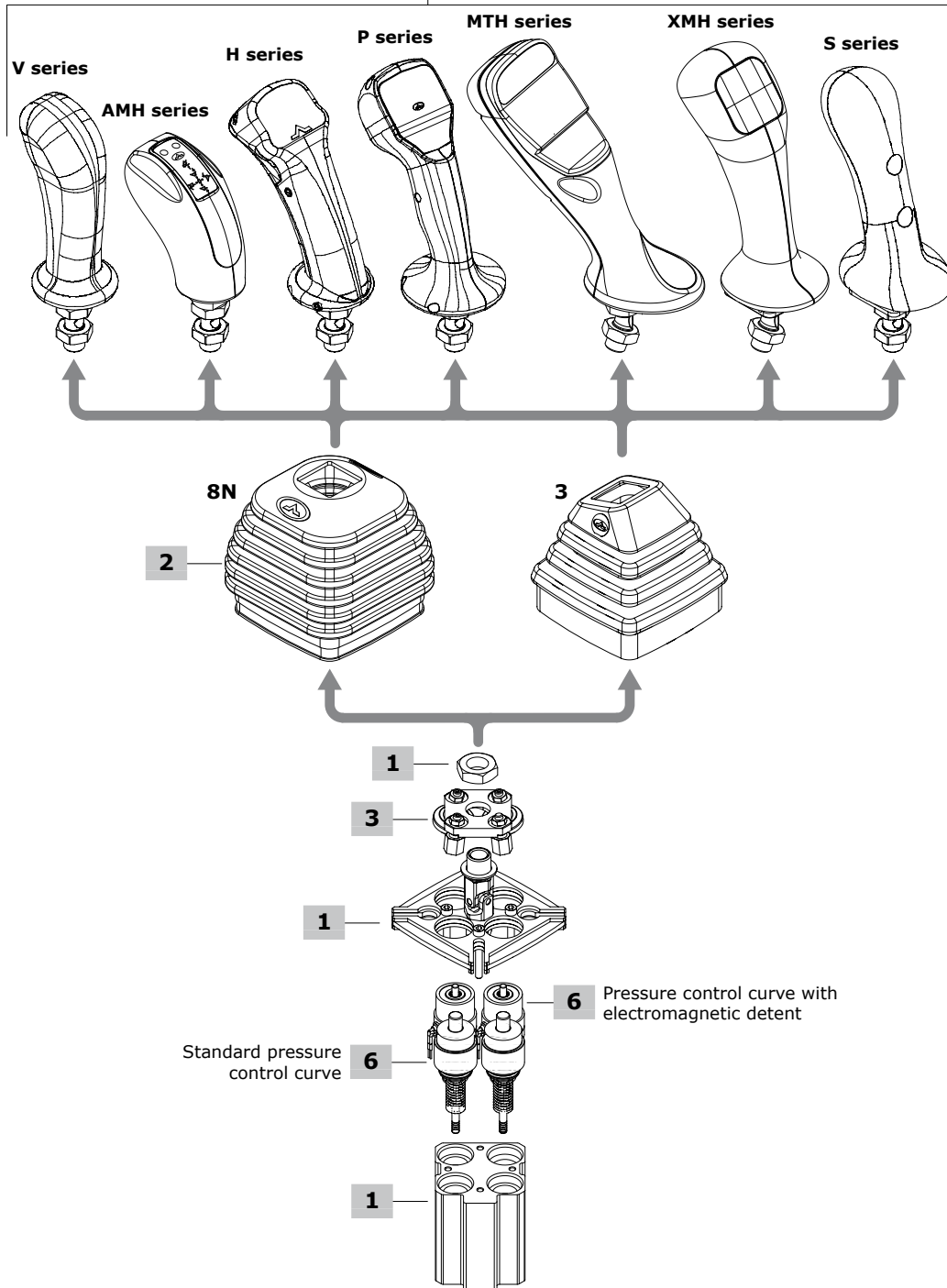
7

Pressure control curve with electromagnetic detent

Electric devices voltage

Standard pressure control curve

4



1 Body kit with flange *

TYPE: SVM450-EMD(4)/B	CODE: 5CO3450303
DESCRIPTION: With detent arrangement on port 4	
TYPE: SVM450-EMD(3-4)/B	CODE: 5CO3450301
DESCRIPTION: With detent arrangement on ports 3 and 4	
TYPE: SVM450-EMD(2-3-4)/B	CODE: 5CO3450302
DESCRIPTION: With detent arrangement on ports 2, 3 and 4	

2 Rubber bellow

TYPE	CODE	DESCRIPTION
8N	3SOF115115	Universal type, square base with logo
3	3SOF111111	Sloping type, square base with logo; only for 19° sloping handles

3 Detent configuration**With spring return in neutral position**

TYPE	CODE	DESCRIPTION
01N(1D)	5CIN8011ND	Control kit arranged for 1 detent
01N(2D)	5CIN8012ND	Control kit arranged for 2 detent
01N(3D)	5CIN8013ND	Control kit arranged for 3 detent

NOTE: The text between () can be omitted from description of composition

4 Handles

Some handles as examples are listed below: for technical specifications and full range of handles and other types of joint see the "Handles and levers" catalogue.

V series handle

TYPE: **V007-(Q)** CODE: 5IMP030071
DESCRIPTION: Without switches, with sloping 19° left joint and square seat bellow adapter

AMH series handle

TYPE: **AMHT030008-(Q)-6N2D035-7R2D035-8N2D035-(E1)**
CODE: 2IM3000007
DESCRIPTION: 3 spring return push-buttons, flying leads, sloping 19° right joint and square seat bellow adapter

H series handle

TYPE: **HMB03G-(Q)-1R4040-4R3040-5R2040-(12VDC)**
CODE: 2IM4600051

DESCRIPTION: 3 spring return push-buttons on the operator side, flying leads, straight joint, for circular seat bellow

P series handle

TYPE: **PZMA1200B7-0R035-3Y2D035-WN130035-ZN130035-(SCHEDA 2PWM)-(TD2M)** CODE: 2IM8700003
DESCRIZIONE: 2 proportional roller and 1 spring return push-button on operator side, "dead man" switch, flying leads with Deutsch pins, sloping 19° left joint and square seat bellow adapter

MTH series handle

TYPE: **MTH-R00-ZTI4100(K)Y-00-1Y2035-2Y2035-3N2035-6N2035-ZN122035-MRZ035-(5VDC)-D2F12**
CODE: 2IM2000005

DESCRIPTION: 1 proportional roller and 4 spring return push-buttons on the operator side, 1 FNR rocker switch on the opposite side, Deutsch connector, sloping 9° left joint and square seat bellow adapter

XMH series handle

TYPE: **XMHZTA21008-2G2035-4G2035-7G2035-VG171035**
CODE: 2IM1000004

DESCRIPTION: 1 proportional roller and 2 spring return push-buttons on the operator side, 1 push button with spring return on the opposite side, Deutsch connector, 19° sloping right joint, for square seat bellow

S series handle

TYPE: **SZTA8-0G4045-XG122045** CODE: 2IM5310003

DESCRIPTION: With proportional roller on the operator side and spring return push-button on the opposite side, 19° sloping right joint, for square seat bellow

5 Handle position

TYPE	DESCRIPTION
(-)	Standard configuration, forward operation to work port 4: omitted in description
(90)	Mounted with 90° rotation step: forward operation towards port 1
(180)	Mounted with 180° rotation step: forward operation towards port 2
(270)	Mounted with 270° rotation step: forward operation towards port 3

6 Pressure control curves

For list available see from page 63

6.1 Curve type

TYPE	DESCRIPTION
A	Without pre-feeling, without solenoid
B	With pre-feeling, without solenoid
C	With solenoid 24VDC and pre-feeling
D	With solenoid 24VDC, without pre-feeling
E	With solenoid 12VDC, with pre-feeling
F	With solenoid 12VDC, without pre-feeling
G	With solenoid 24VDC and pre-feeling after step

6.2 Typology of curves

TYPE	DESCRIPTION
0	With step
1	Without step

6.3 Curve identification

Progressive number

6.4 Return springs

TYPE	DESCRIPTION
M	Operation range from 18 to 25.5 N - <i>from 4.04 to 5.73 lbf</i>
A	Operation range from 23 to 35.2 N - <i>from 5.17 to 7.91 lbf</i>

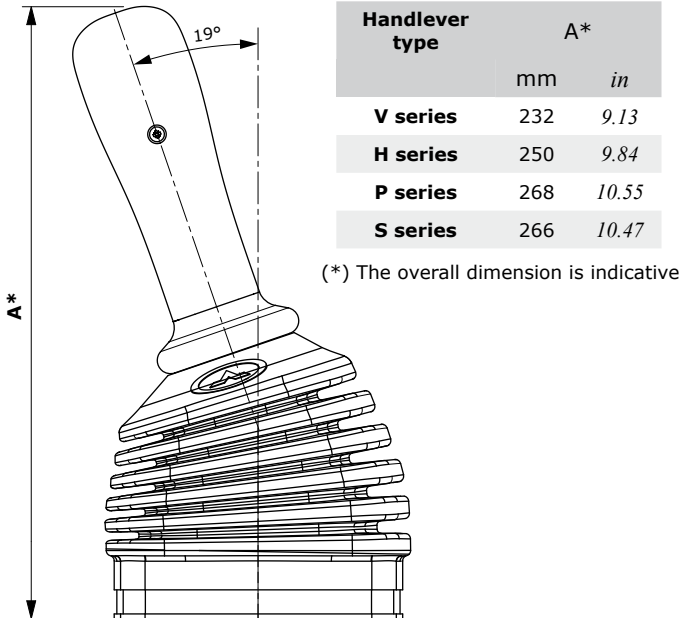
7 Connector

Configurations with detent or microswitch are provided with wires with tin-plate terminals. For connectors please contact our Sales Department.

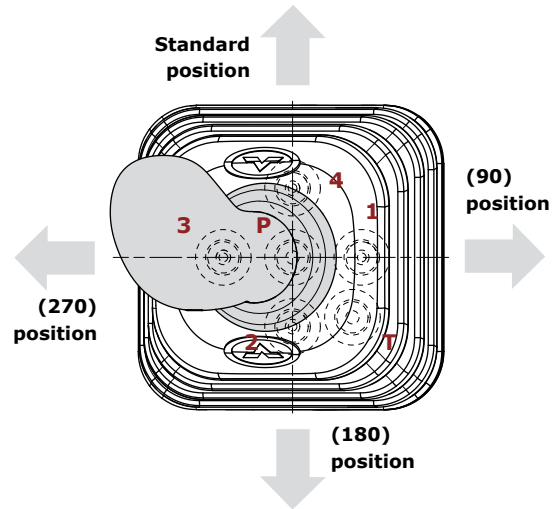
NOTE (*) – Codes are referred to **BSP** thread.

Configuration option

Handle option



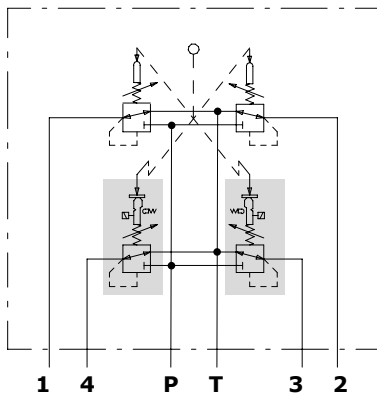
Handle positions



Detent configuration

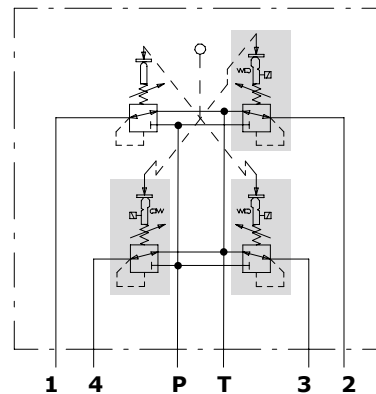
01/2D type

Detent on ports 3 and 4, with spring return



01/3D type

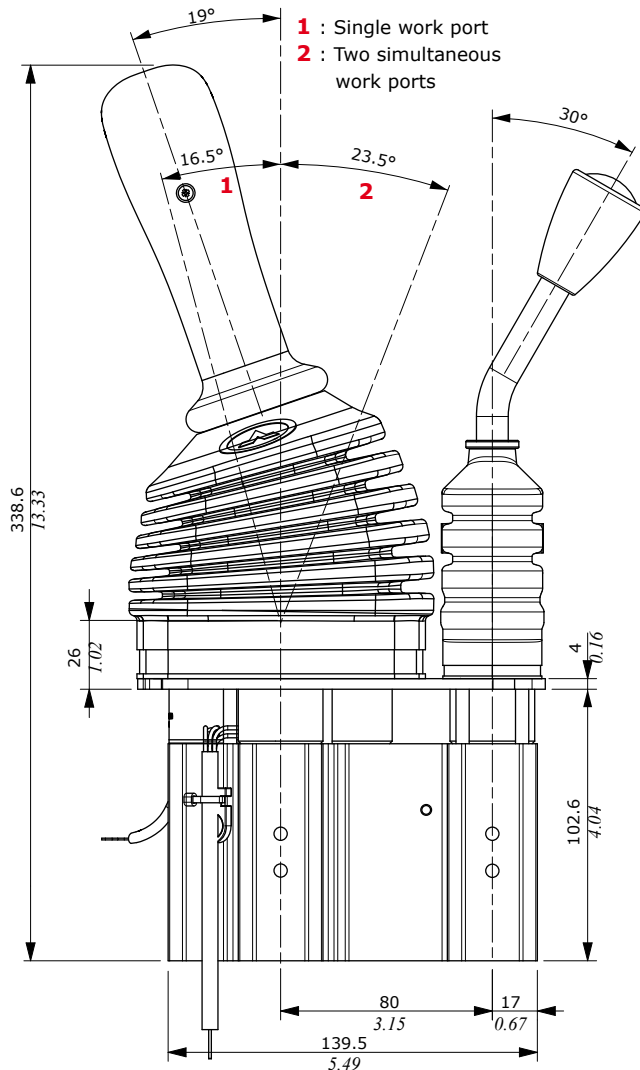
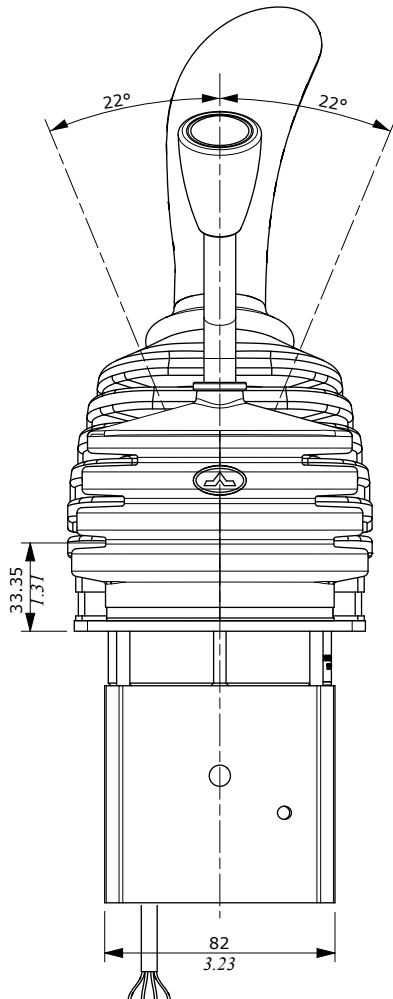
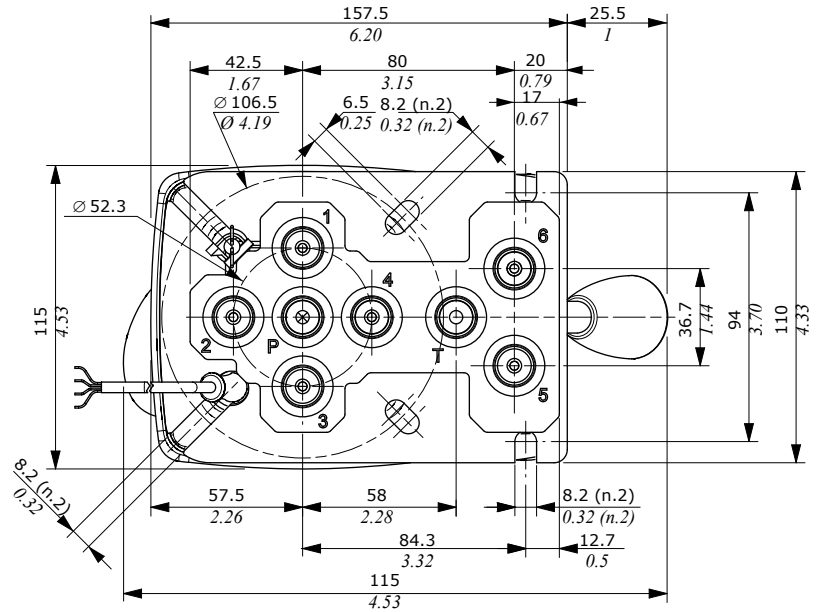
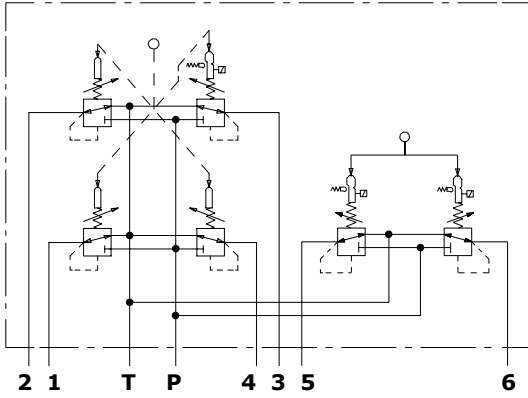
Detent on ports 2, 3 and 4 with spring return



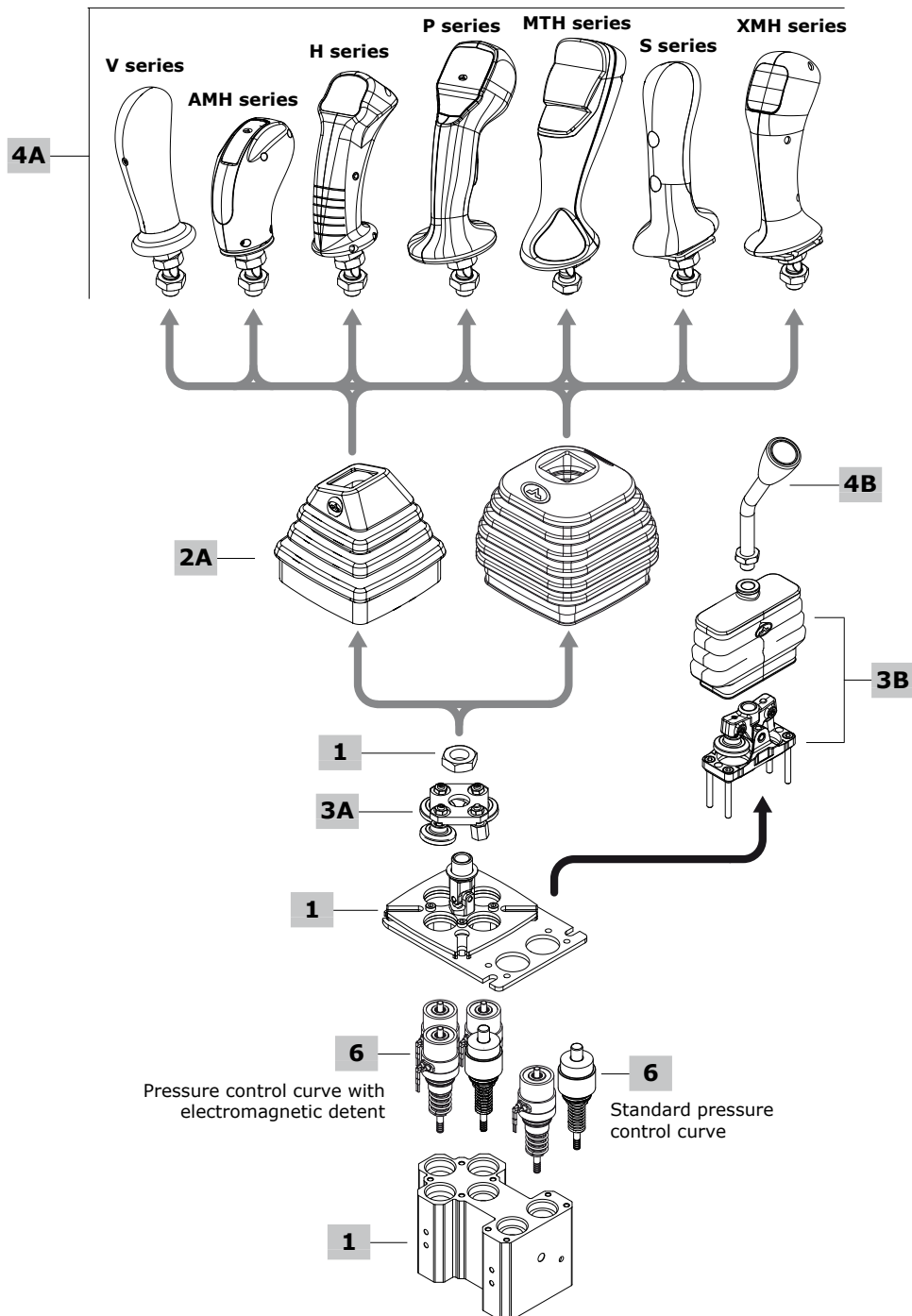
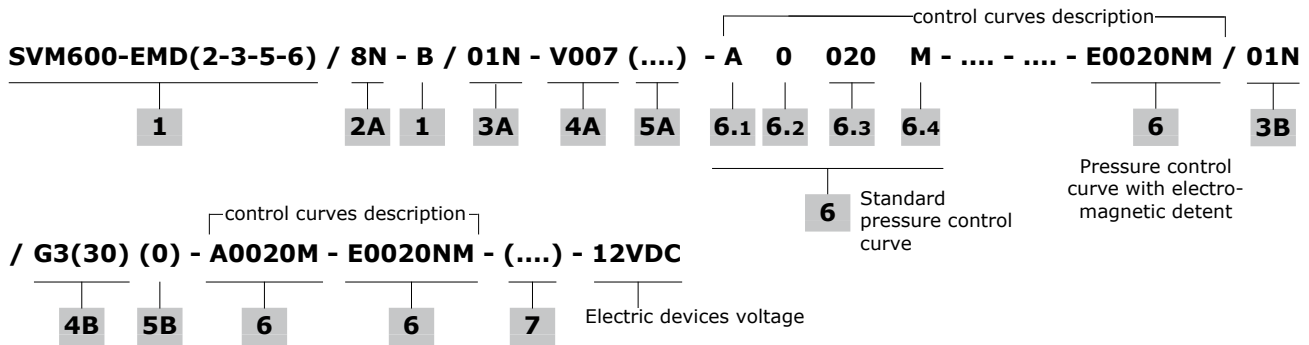
Dimensions and circuit hydraulic

Hydraulic circuit

Example detent on working ports 3, 4 and 6



Ordering codes



Main options

1 Body kit with flange *

TYPE: SVM600-EMD(2-3)/B	CODE: 5CO3600300
DESCRIPTION: With detent arrangement on ports 2 and 3	
TYPE: SVM600-EMD(1-2-3)/B	CODE: 5CO3600301
DESCRIPTION: With detent arrangement on ports 1, 2 and 3	
TYPE: SVM600-EMD(2-3-6)/B	CODE: 5CO3600302
DESCRIPTION: With detent arrangement on ports 2, 3 and 6	
TYPE: SVM600-EMD(1-2-3-6)/B	CODE: 5CO3600303
DESCRIPTION: With detent arrangement on ports 1, 2, 3 and 6	

6 Pressure control curves

For list available see from page 63

6.1 Curve type

TYPE	DESCRIPTION
A	Without pre-feeling, without solenoid
B	With pre-feeling, without solenoid
C	With solenoid 24VDC and pre-feeling
D	With solenoid 24VDC, without pre-feeling
E	With solenoid 12VDC, with pre-feeling
F	With solenoid 12VDC, without pre-feeling
G	With solenoid 24VDC and pre-feeling after step

6.2 Typology of curves

TYPE	DESCRIPTION
0	With step
1	Without step

6.3 Curve identification

Progressive number

6.4 Return springs

TYPE	DESCRIPTION
M	Operation range from 18 to 25.5 N - <i>from 4.04 to 5.73 lbf</i>
A	Operation range from 23 to 35.2 N - <i>from 5.17 to 7.91 lbf</i>

7 Connector

Configurations with detent or microswitch are provided with wires with tin-plate terminals. For connectors please contact our Sales Department.

Joystick options

2A Rubber bellow

TYPE	CODE	DESCRIPTION
8N	3SOF115115	Universal type, square base with logo
3	3SOF111111	Sloping type, square base with logo; only for 19° sloping handles

3A Detent configuration**With spring return in neutral position**

TYPE	CODE	DESCRIPTION
01N(2D)	5CIN8012ND	Control kit arranged for 2 detents
01N(3D)	5CIN8013ND	Control kit arranged for 3 detents

NOTE: The text between () is omitted from description of composition

4A Handles

Some handles as examples are listed below: for technical specifications and full range of handles and other types of joint see the "Handles and handlevers" catalogue.

V series handle

TYPE: V007-(Q)	CODE: 5IMP030071
DESCRIPTION: Without switches, with sloping 19° left joint and square seat bellow adapter	

S series handle

TYPE: SZTA8-0G4045-XG122045	CODE: 2IM5310003
DESCRIPTION: With proportional roller on the operator side and spring return push-button on the opposite side, 19° sloping right joint, for square seat bellow	

5A Handle position

TYPE	DESCRIPTION
(-)	Standard configuration, forward operation toward port 4: omitted in description
(180)	Mounted with 180° rotation step: forward operation towards port 2
(270)	Mounted with 270° rotation step: forward operation towards port 3

Single acting options

3B Control option

Complete with rubber bellow (code 3SOF190783-C) and fixing wrapper

TYPE	CODE	DESCRIPTION
01N(0D)	5CIN1010DN	Spring return to neutral position, without detent arrangement
01N(1D)	5CIN1011DN	Spring return to neutral position, single detent arrangement; right or left position is defined by pressure control curve position
01N(2D)	5CIN1012DN	Spring return to neutral position, double detent arrangement

NOTE: The text between () is omitted from description of composition

4B Standard handlever

TYPE	CODE	DESCRIPTION
G3(30)	5AST371228G	Ogival with portlight, 30° bending rod For features see page 42

5B Handle position

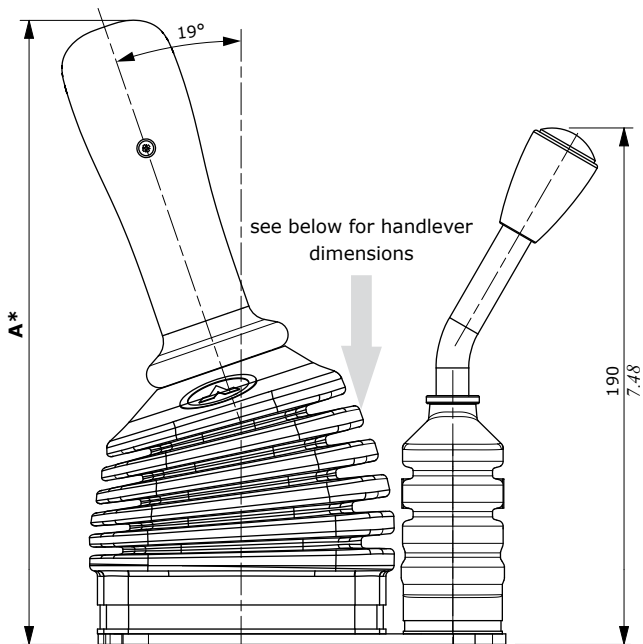
TYPE	DESCRIPTION
(0)	Handlever oriented on P and T plugged ports
(90)	Handlever oriented towards port 5
(270)	Handlever oriented towards port 6

For different positions, please contact our Sales Department.

NNOTE (*) – Codes are referred to **BSP** thread.

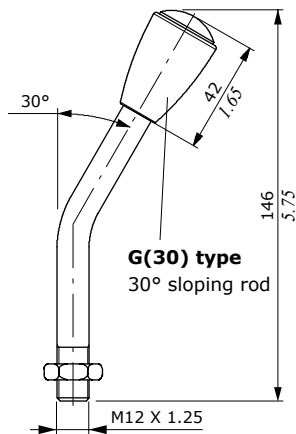
Configuration option

Handle options

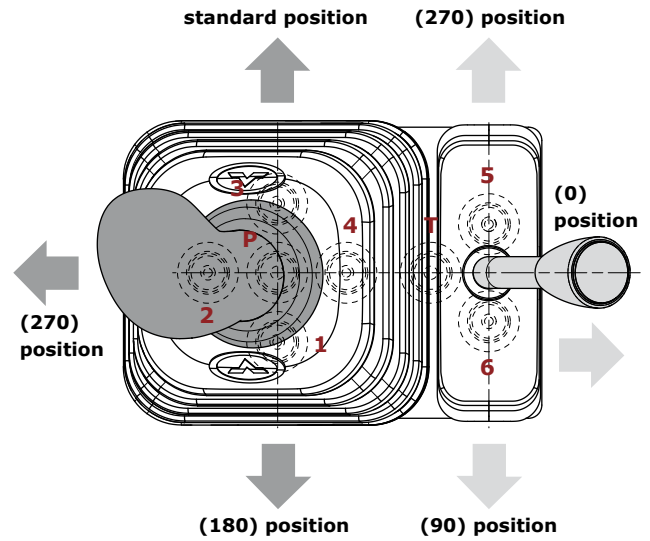


Handlever type	A*	
	mm	in
V series	232	9.13
H series	250	9.84
P series	268	10.55
S series	266	10.47

(*) The overall dimension is indicative



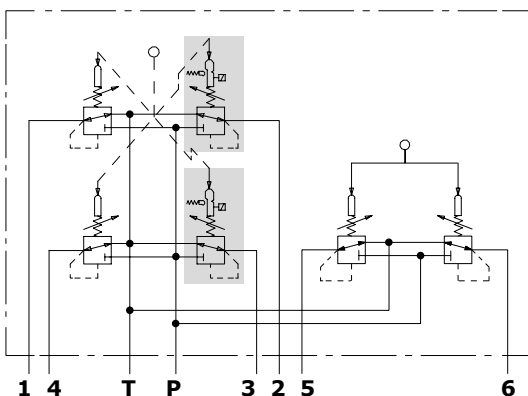
Handle and handlelever positions



Detent configuration: examples

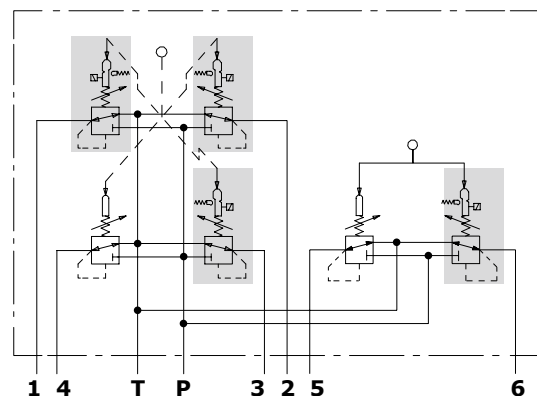
01/2D type (joystick)

Detent on ports 2 and 3, with spring return

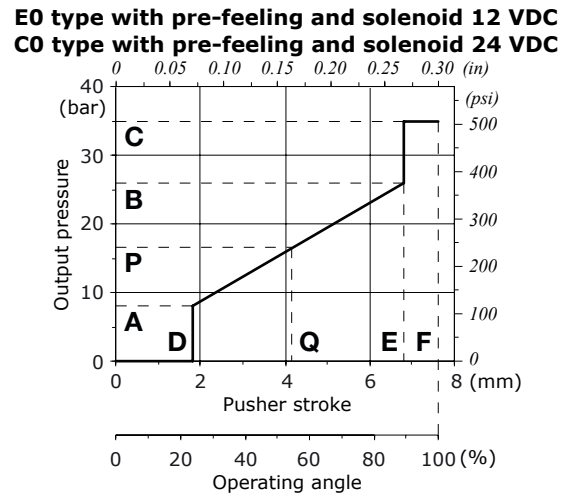
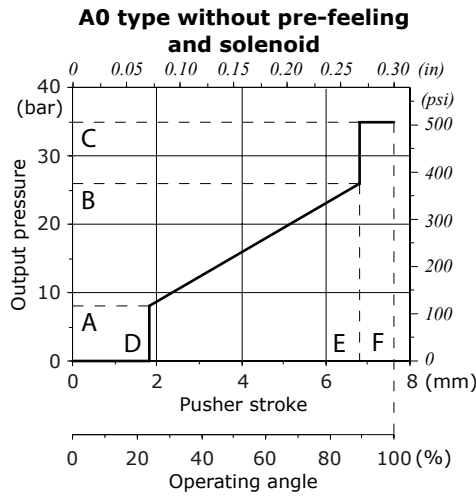


01/3D type (joystick) + 01/1D (single acting)

Detent on ports 1, 2, 3 and 6, with spring return



Control curves with step



Curve description		Pressure								Stroke								CODE ⁽¹⁾
Type	Nr	A		P		B		C		D		Q		E		F		
		bar (±toll)	psi (±toll)	bar (±toll)	psi (±toll)	bar (±toll)	psi (±toll)	bar	psi	mm	(in)	mm	(in)	mm	(in)	mm	(in)	
A0	011	3.5 (±1)	50.7 (±14.5)			25 (±1.5)	362.5 (±21.7)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	099	3.6 (±1)	52.2 (±14.5)			15.8 (±1)	229.1 (±14.5)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	B47	3.8 (±1)	55.1 (±14.5)			16.7 (±1)	242.15 (±14.5)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	086	4 (±1)	58 (±14.5)			16.5 (±1)	239.2 (±14.5)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	020	4.3 (±0.5)	62.3 (±7.25)			15.2 (±1.5)	220.4 (±21.7)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	028	5 (±1)	72.5 (±14.5)			21 (±1.5)	304.5 (±21.7)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	075	5 (±0.5)	72.5 (±7.25)			15 (±1.5)	22.5 (±21.7)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	077	5 (±1)	72.5 (±14.5)			27 (±2)	391.5 (±29)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	119	5 (±1)	72.5 (±14.5)			23.5 (±2)	340.7 (±29)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	001	5.8 (±0.5)	84.1 (±7.25)			22 (±1.5)	319 (±21.7)	30	435	0.85	0.03			7.25	0.28	7.6	0.30	
A0	033	5.8 (±0.5)	84.1 (±7.25)			19.1 (±1)	276.9 (±14.5)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	085	6 (±1)	87 (±14.5)			25 (±1.5)	362.5 (±21.7)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	088	8 (±0.5)	116 (±7.25)			27 (±1.5)	391.5 (±21.7)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
A0	036	12 (±0.5)	174 (±7.25)			25 (±1)	362.5 (±14.5)	35	507.5	0.85	0.03			7.25	0.28	7.6	0.30	
With Pre-feeling for electromagnetic detent																		
C0	B09	3.5 (±0.5)	50.7 (±7.25)	13.7 (±1)	198.6 (±14.5)	15.1 (±1)	218.9 (±14.5)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
E0	B09	3.5 (±0.5)	50.7 (±7.25)	13.7 (±1)	198.6 (±14.5)	15.1 (±1)	218.9 (±14.5)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	011	3.5 (±1)	50.7 (±14.5)	25 (±1.5)	362.5 (±21.7)	27.9 (±1.5)	41.8 (±21.7)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	B47	3.8 (±1)	55.1 (±14.5)	15.3 (±0.5)	221.8 (±7.25)	16.8 (±1)	243.6 (±14.5)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
E0	086	4 (±1)	58 (±14.5)	16.5 (±0.5)	239.2 (±7.25)	18.2 (±1)	263.9 (±14.5)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	118	4 (±0.5)	58 (±7.25)	13 (±1)	188.5 (±14.5)	16.1 (±1)	233.4 (±14.5)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	020	4.3 (±1)	62.3 (±14.5)	15.2 (±1)	220.4 (±14.5)	16.6 (±1)	240.7 (±14.5)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	028	5 (±1)	72.5 (±14.5)	20 (±1.5)	290 (±21.7)	22 (±2)	319 (±29)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	075	5 (±0.5)	72.5 (±7.25)	15 (±1)	217.5 (±14.5)	16.3 (±1.5)	236.3 (±21.7)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
E0	075	5 (±0.5)	72.5 (±7.25)	15 (±1)	217.5 (±14.5)	16.3 (±1.5)	236.3 (±21.7)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	001	5.8 (±1)	84.1 (±14.5)	22 (±1.5)	319 (±21.7)	24.2 (±2)	350.9 (±29)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
E0	033	5.8 (±0.5)	84.1 (±7.25)	19 (±1)	275.5 (±14.5)	20.8 (±1)	301.6 (±14.5)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	070	5.8 (±1)	84.1 (±14.5)	22.4 (±1.5)	324.8 (±21.7)	24.6 (±1.5)	356.7 (±21.7)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
E0	085	6 (±1)	87 (±14.5)	25 (±2)	362.5 (±29)	27.5 (±2)	398.75 (±29)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	088	8 (±0.5)	116 (±7.25)	27 (±1)	391.5 (±14.5)	29.5 (±1)	427.75 (±14.5)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	
C0	036	12 (±1)	174 (±14.5)	25 (±1.5)	362.5 (±21.7)	26.7 (±1.5)	387.15 (±21.7)	35	507.5	0.85	0.03	6.5	0.25	7.25	0.28	7.6	0.30	

⁽¹⁾Codes are referred to the curve with the specific return spring
For different curves, please contact our Sales Department