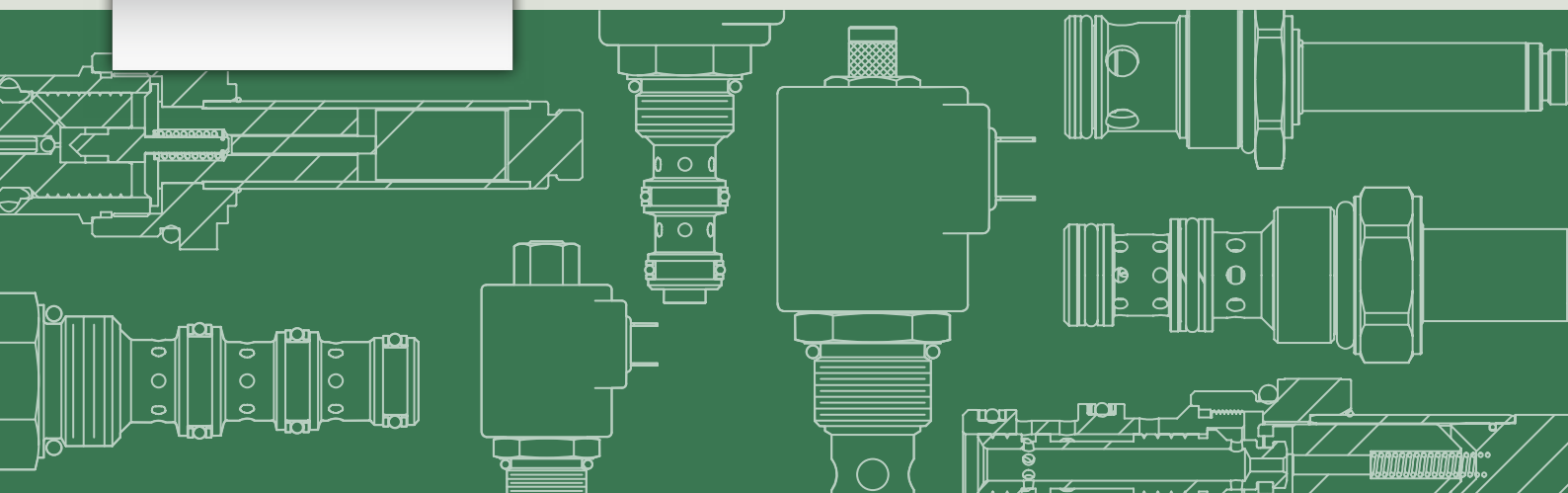




Solenoid Cartridge Valve

On/Off 2 Ways / 2 Positions Valve

On/Off 3 Ways / 2 Positions Valve

On/Off 4 Ways / 2 Positions Valve

On/Off 4 Ways / 3 Positions Valve



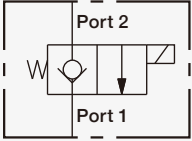
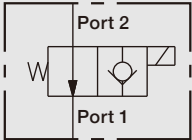
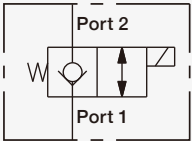
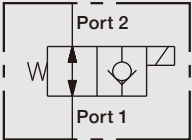
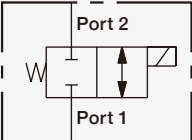
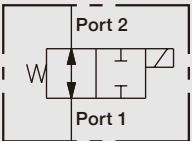
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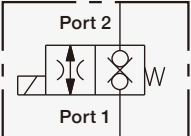
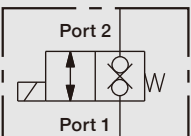
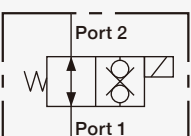
Solenoid Cartridge Valve

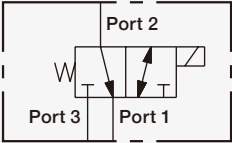
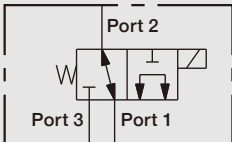
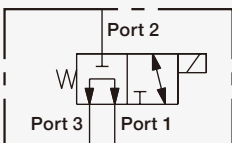
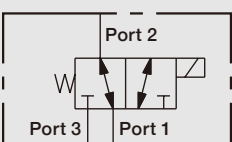
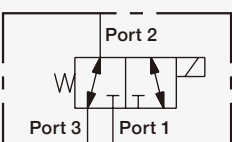
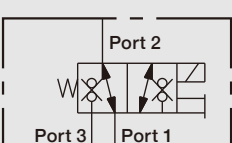
Index	06
On/Off 2 Ways / 2 Positions Valve	
SV-20	08
SV-21	10
SV-22	12
SV-23	14
SV-24	16
SV-25	18
SV-26	20
SV-28	22
SV-29	26
On/Off 3 Ways / 2 Positions Valve	
SV-30	28
SV-31	30
SV-33	32
SV-34	34
SV-35	36
SV38-38 Double Blocking, 2 Position, 3-Way, N.C	38
On/Off 4 Ways / 2 Positions Valve	
SV-40	40
SV-41	42
SV-42	44
On/Off 4 Ways / 3 Positions Valve	
SV-47A	46
SV-47C	48
SV-47D	50

Index

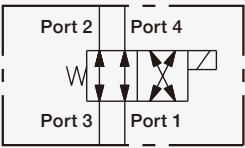
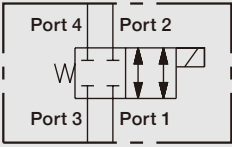
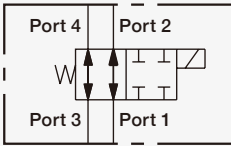
ON/OFF 2 WAYS / 2 POSITIONS VALVE

Page No.	Symbols	Model No.	Cavity	Capacity (l/min)	Control Manner	
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08		SV08-20	SAE-08-2	23	✓	✓
		SV10-20	SAE-10-2	45	✓	✓
		SV12-20	SAE-12-2	114	✓	✓
		SV16-20	SAE-16-2	132	✓	✓
10		SV08-21	SAE-08-2	30	✓	✓
		SV10-21	SAE-10-2	57	✓	✓
		SV12-21	SAE-12-2	114	✓	
		SV16-21	SAE-16-2	132	✓	
12		SV08-22	SAE-08-2	23	✓	✓
		SV10-22	SAE-10-2	45	✓	✓
		SV12-22	SAE-12-2	114	✓	✓
		SV16-22	SAE-16-2	132	✓	✓
14		SV08-23	SAE-08-2	30	✓	✓
		SV10-23	SAE-10-2	57	✓	✓
		SV12-23	SAE-12-2	114	✓	✓
		SV16-23	SAE-16-2	132	✓	✓
16		SV08-24	SAE-08-2	17	✓	
		SV10-24	SAE-10-2	38	✓	
18		SV08-25	SAE-08-2	18	✓	
		SV10-25	SAE-10-2	22	✓	

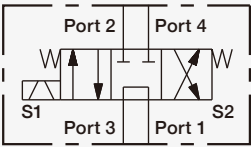
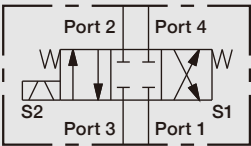
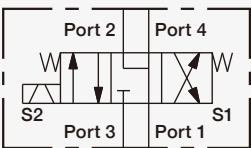
Page No.	Symbols	Model No.	Cavity	Capacity (l/min)	Control Manner	
					none	M
20		SV08-26	SAE-08-2	1	✓	
22		SV08-28G	SAE-08-2	19	✓	✓
		SV38-28	SAE-08-2	19	✓	
		SV10-28	SAE-10-2	38	✓	
		SV12-28	SAE-12-2	76	✓	
26		SV10-29	SAE-10-2	75.7	✓	✓
		SV12-29	SAE-12-2	113.6	✓	✓

Page No.	Symbols	Model No.	Cavity	Capacity (l/min)	Control Manner	
					none	M
28		SV08-30	SAE-08-3	15	✓	
30		SV08-31	SAE-08-3	11	✓	
		SV10-31	SAE-10-3	22	✓	
32		SV08-33	SAE-08-3	11	✓	
		SV10-33	SAE-10-3	19	✓	
34		SV08-34	SAE-08-3	11	✓	
		SV10-34	SAE-10-3	23	✓	
36		SV08-35	SAE-08-3	11	✓	
38		SV38-38	SAE-08-3	11	✓	

ON/OFF 4 WAYS / 2 POSITIONS VALVE

Page No.	Symbols	Model No.	Cavity	Capacity (l/min)	Control Manner	
					none	M
40		SV08-40	SAE-08-4	11	✓	
		SV10-40	SAE-10-4	22	✓	
42		SV08-41	SAE-08-4	11	✓	
		SV10-41	SAE-10-4	22	✓	
44		SV08-42	SAE-08-4	11	✓	
		SV10-42	SAE-10-4	22	✓	

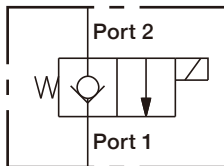
ON/OFF 4 WAYS / 3 POSITIONS VALVE

Page No.	Symbols	Model No.	Cavity	Capacity (l/min)	Control Manner	
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46		SV08-47A	SAE-08-4	11	✓	✓
		SV10-47A	SAE-10-4	14	✓	
48		SV08-47C	SAE-08-4	11	✓	✓
		SV10-47C	SAE-10-4	22	✓	
50		SV08-47D	SAE-08-4	11	✓	✓
		SV10-47D	SAE-10-4	22	✓	

SV-20



SYMBOLS



ORDER CODES

SV **08** - **20** **M** - **A1** - **DR** - **N**

1 2 3 4 5 6

1	Valve Size	08, 10, 12, 16	
2	Model Name	20	
3	Control Manner	none	without manual override
		M	manual override
4	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
5	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
6	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

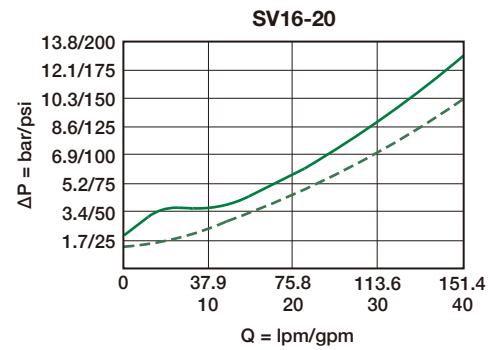
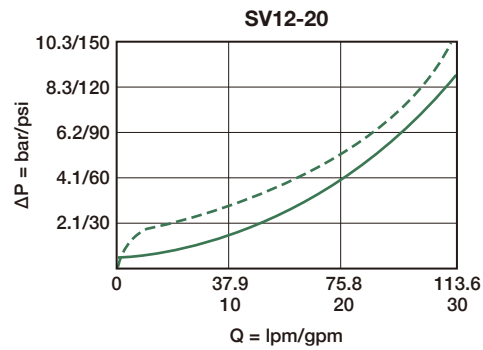
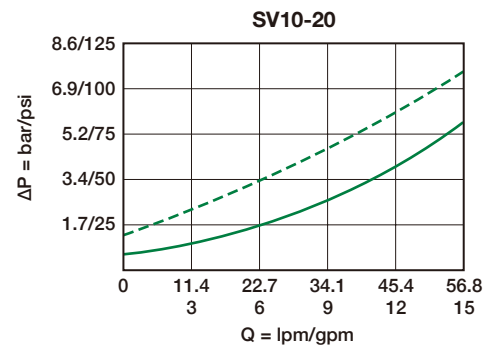
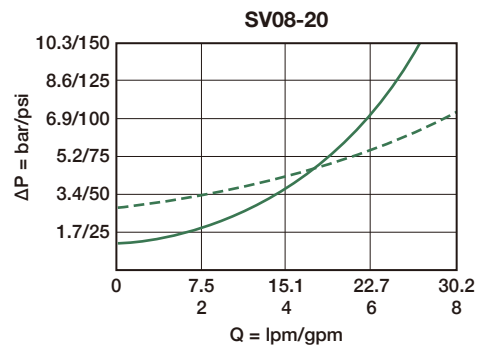
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-20	SAE-08-2	23	350	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.25
SV08-20M	SAE-08-2	23		27.1		0.26
SV10-20	SAE-10-2	45		33.9		0.45
SV10-20M	SAE-10-2	45		33.9		0.46
SV12-20	SAE-12-2	114		47.4		0.53
SV12-20M	SAE-12-2	114		47.4		0.54
SV16-20	SAE-16-2	132		67.7		0.62
SV16-20M	SAE-16-2	132		67.7		0.62

PERFORMANCE CURVES

► Typical Pressure Drop

- de-energized,
Port 1 → Port 2
- energized,
Port 2 → Port 1

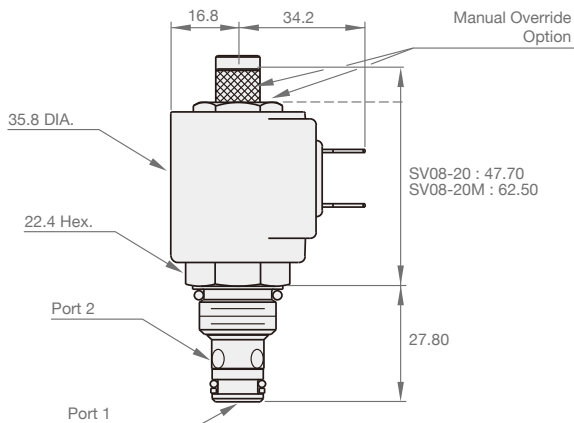
* 32cSt / 150 ssu oil at 40°C



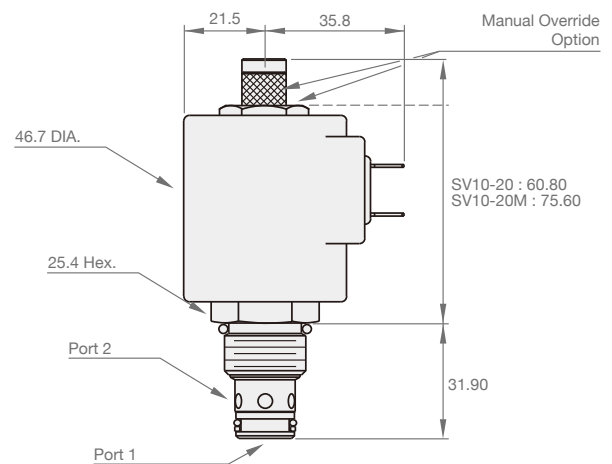
DIMENSION

(UNIT : mm)

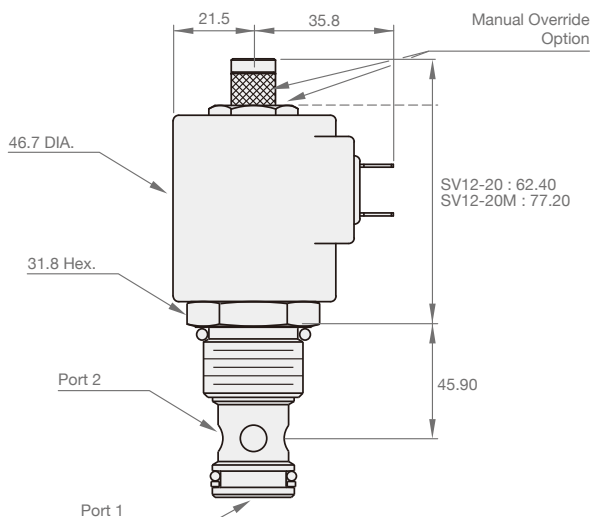
► SV08-20



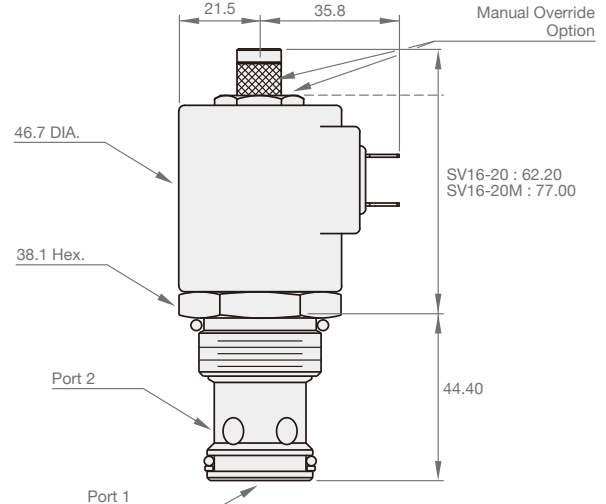
► SV10-20



► SV12-20



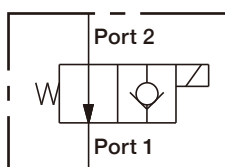
► SV16-20



SV-21



SYMBOLS



ORDER CODES

SV **08** - **21** **M** - **D1** - **DL** - **N**

1 2 3 4 5 6

1 ▶	Valve Size	08, 10, 12, 16	
2 ▶	Model Name	21	
3 ▶	Control Manner	none	without manual override
		M	manual override *
4 ▶	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
5 ▶	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
6 ▶	Material of Seal	N	buna-N
		V	viton

* Only for SV08-21M, SV10-21M

MODEL SPEC.

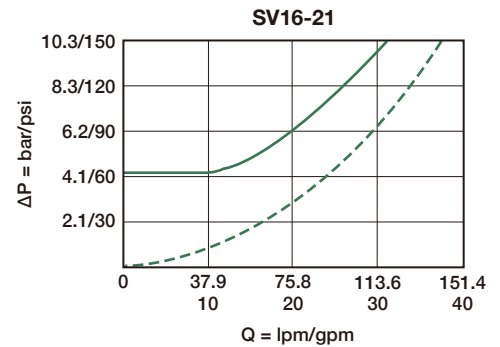
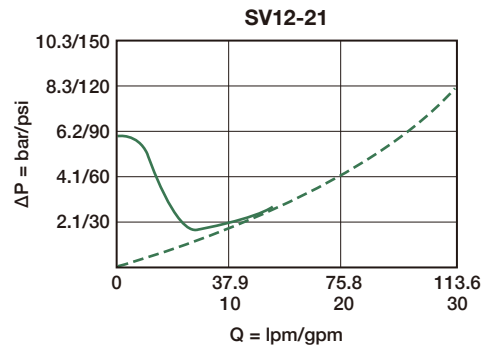
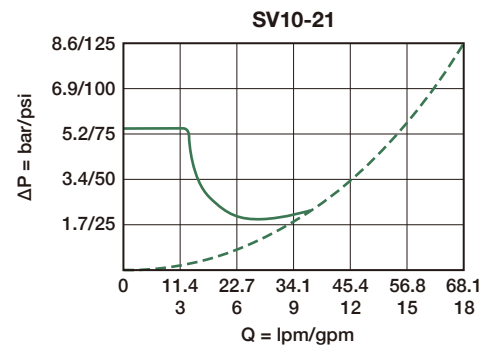
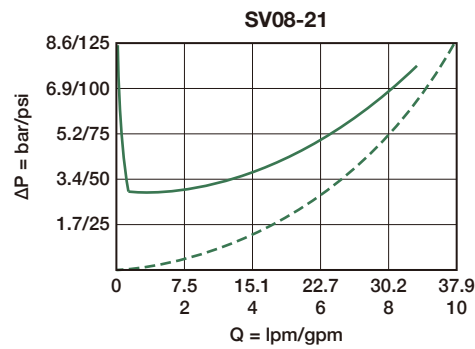
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-21	SAE-08-2	30	350	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.27
SV08-21M	SAE-08-2	30		27.1		0.27
SV10-21	SAE-10-2	57		33.9		0.49
SV10-21M	SAE-10-2	57		33.9		0.49
SV12-21	SAE-12-2	114		47.4		0.57
SV16-21	SAE-16-2	132		67.7		0.66

PERFORMANCE CURVES

► Typical Pressure Drop

- de-energized,
Port 2 → Port 1
- energized,
Port 1 → Port 2

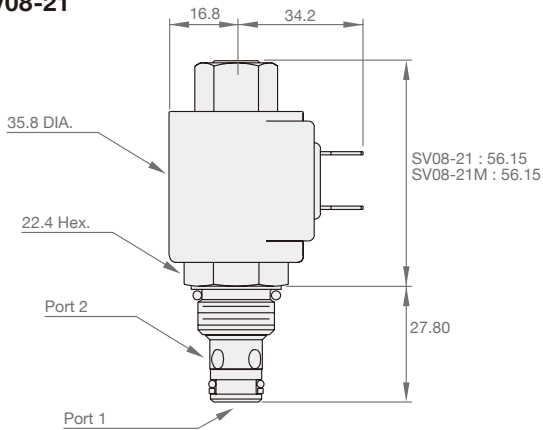
* 32cSt / 150 ssu oil at 40°C



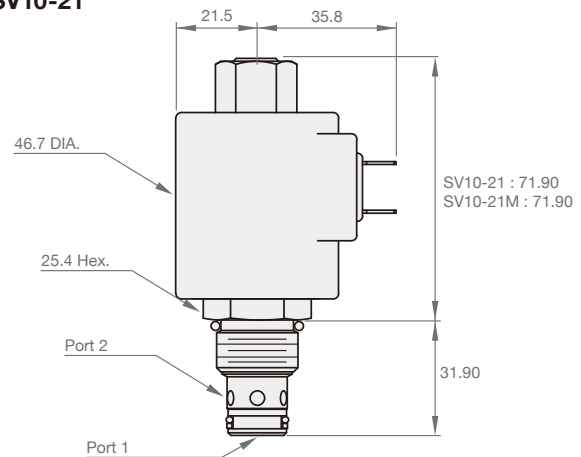
DIMENSION

(UNIT : mm)

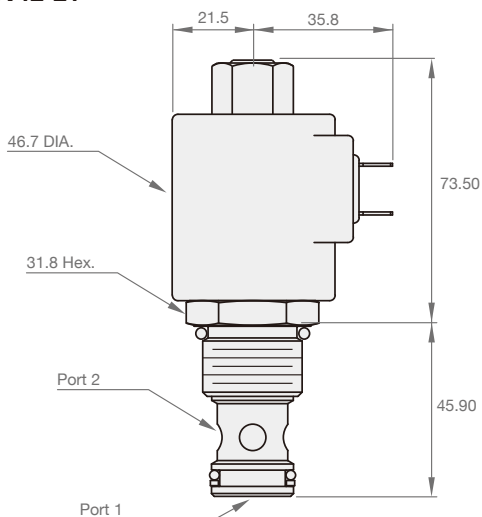
► SV08-21



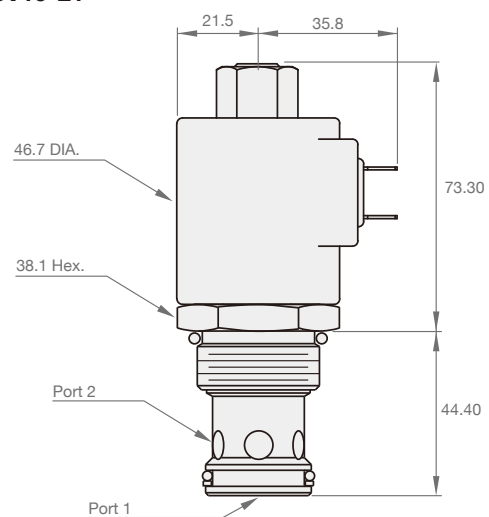
► SV10-21



► SV12-21



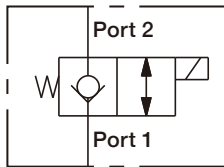
► SV16-21



SV-22



SYMBOLS



ORDER CODES

SV **10** - **22** **M** - **D2** - **DG** - **N**

1 2 3 4 5 6

1	Valve Size	08, 10, 12, 16	
2	Model Name	22	
3	Control Manner	none	without manual override
		M	manual override
4	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
5	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
6	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

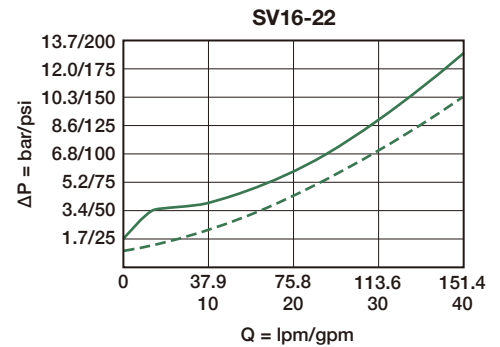
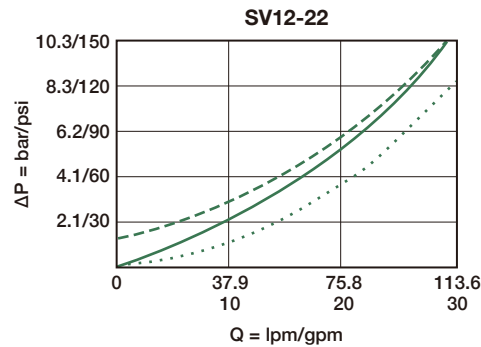
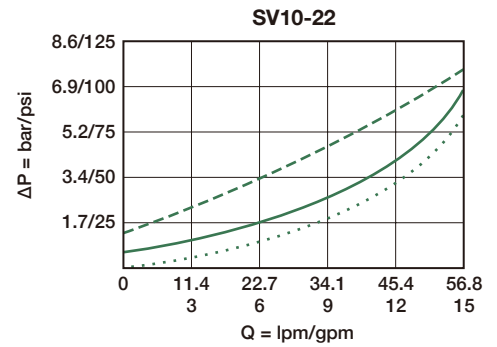
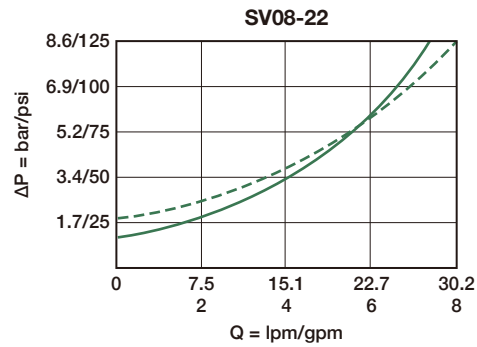
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-22	SAE-08-2	23	350	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.25
SV08-22M	SAE-08-2	23		27.1		0.25
SV10-22	SAE-10-2	45		33.9		0.47
SV10-22M	SAE-10-2	45		33.9		0.48
SV12-22	SAE-12-2	114		47.4		0.55
SV12-22M	SAE-12-2	114		47.4		0.56
SV16-22	SAE-16-2	132		67.7		0.64
SV16-22M	SAE-16-2	132		67.7		0.64

PERFORMANCE CURVES

► Typical Pressure Drop

- de-energized,
Port 1 → Port 2
- energized,
Port 2 → Port 1
- ... energized,
Port 1 → Port 2

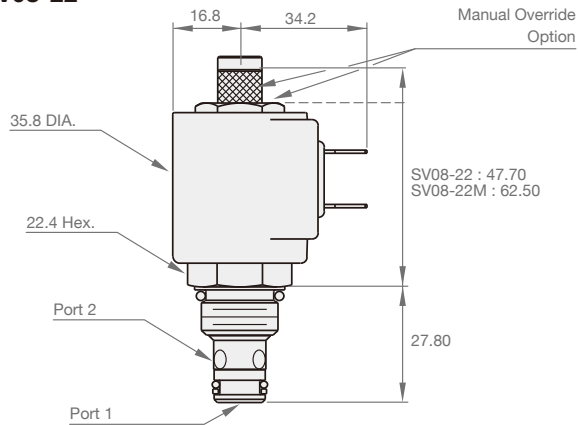
* 32cSt / 150 ssu oil at 40°C



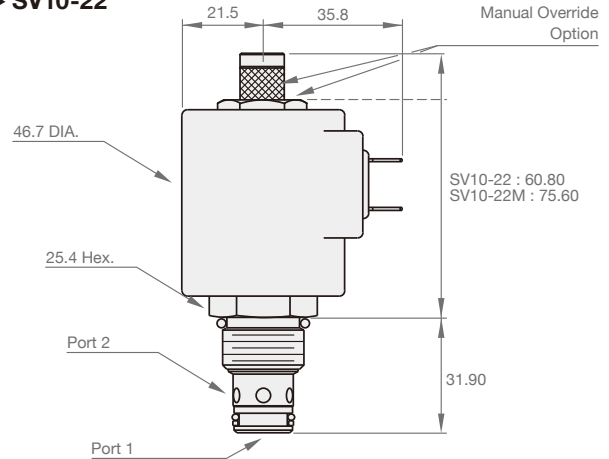
DIMENSION

(UNIT : mm)

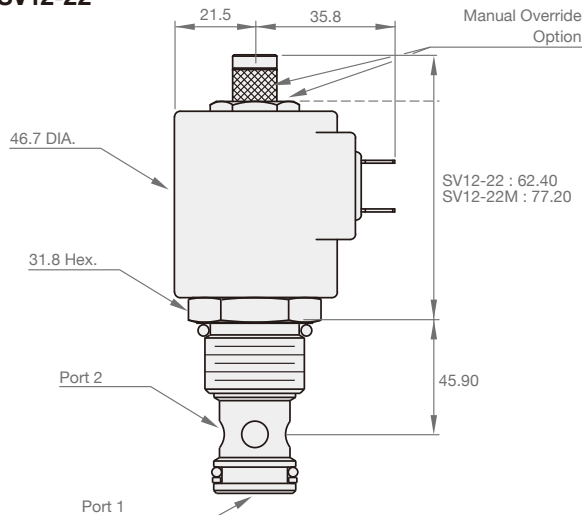
► SV08-22



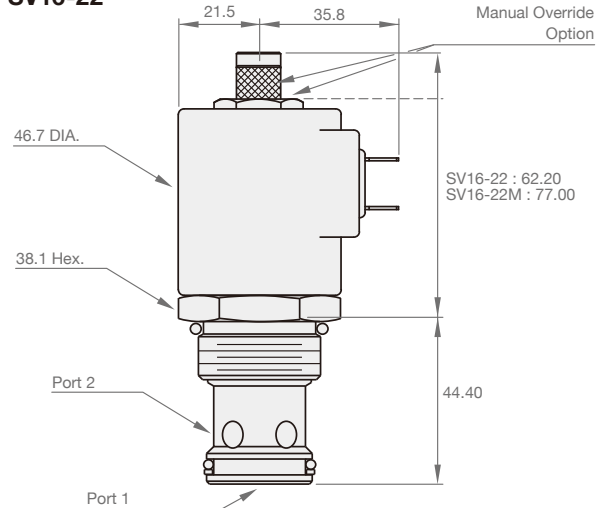
► SV10-22



► SV12-22



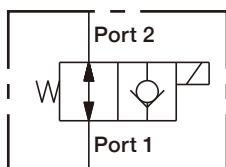
► SV16-22



SV-23



SYMBOLS



ORDER CODES

SV **12** - **23** **M** - **A1** - **DL** - **V**

1 2 3 4 5 6

1 ▶	Valve Size	08, 10, 12, 16	
2 ▶	Model Name	23	
3 ▶	Control Manner	none	without manual override
		M	manual override
4 ▶	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
5 ▶	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
6 ▶	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

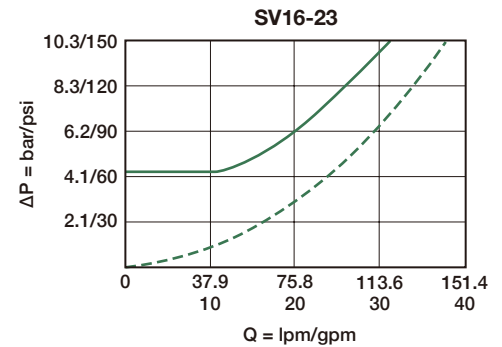
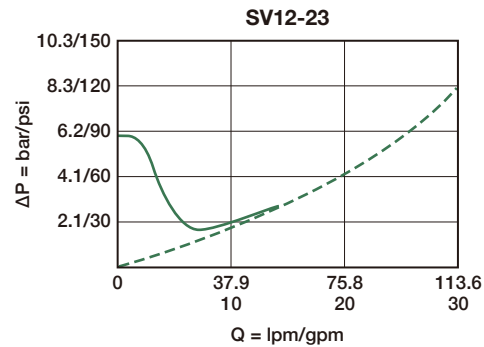
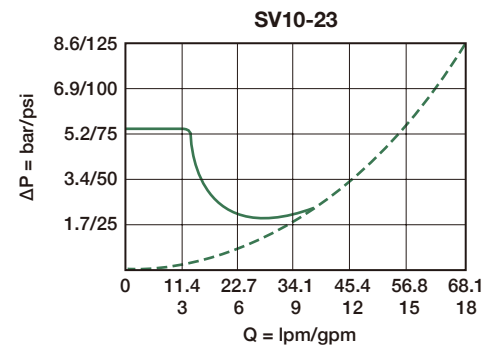
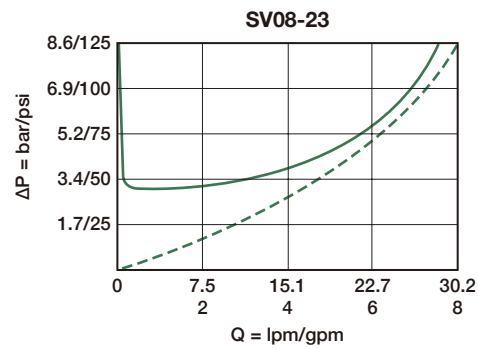
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-23	SAE-08-2	30	350	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.28
SV08-23M	SAE-08-2	30		27.1		0.28
SV10-23	SAE-10-2	57		33.9		0.49
SV10-23M	SAE-10-2	57		33.9		0.49
SV12-23	SAE-12-2	114		47.4		0.57
SV12-23M	SAE-12-2	114		47.4		0.57
SV16-23	SAE-16-2	132		67.7		0.66
SV16-23M	SAE-16-2	132		67.7		0.65

PERFORMANCE CURVES

► Typical Pressure Drop

- de-energized,
Port 2 → Port 1
- energized,
Port 1 → Port 2

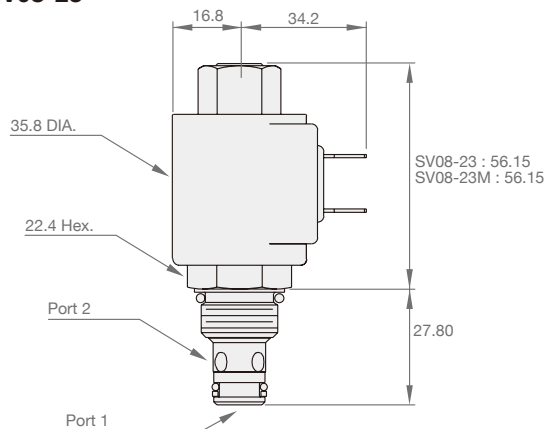
* 32cSt / 150 ssu oil at 40°C



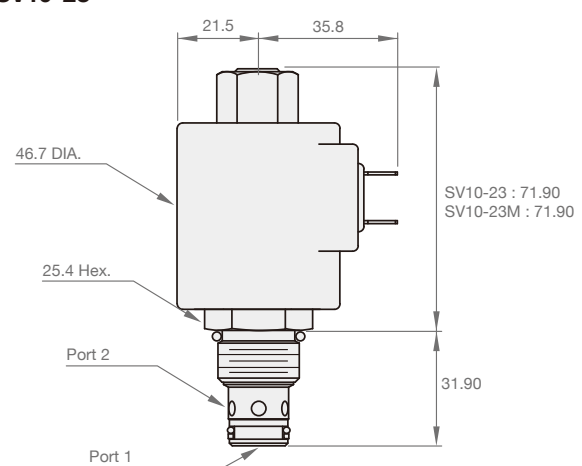
DIMENSION

(UNIT : mm)

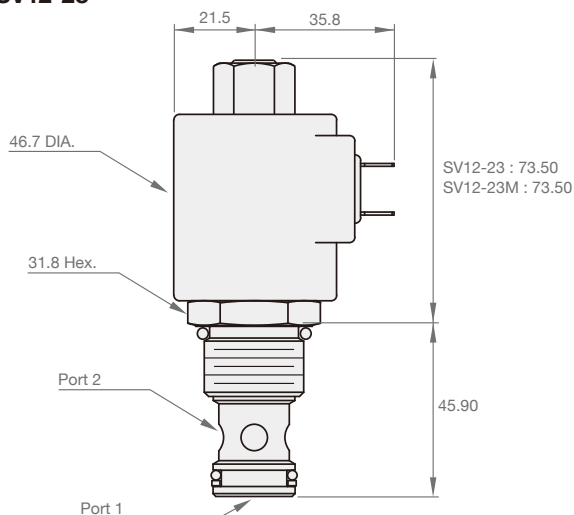
► SV08-23



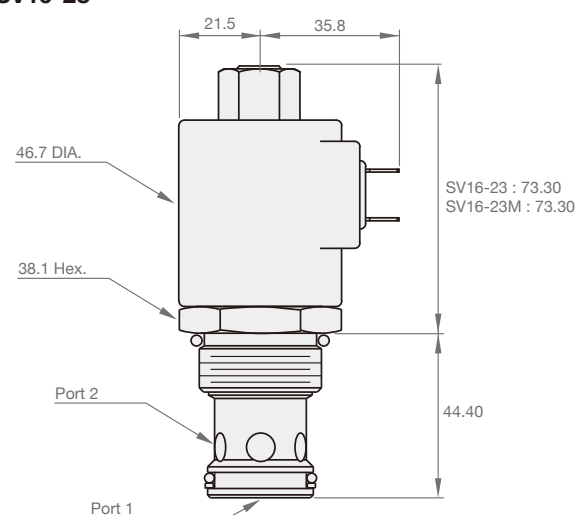
► SV10-23



► SV12-23



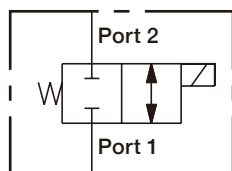
► SV16-23



SV-24



SYMBOLS



ORDER CODES

SV **08** - **24** - **A2** - **DG** - **N**

1
2
3
4
5

1	Valve Size	08, 10	
2	Model Name	24	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

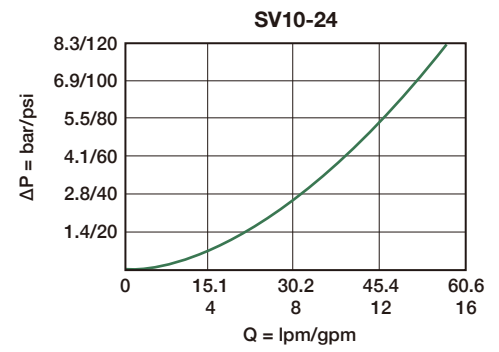
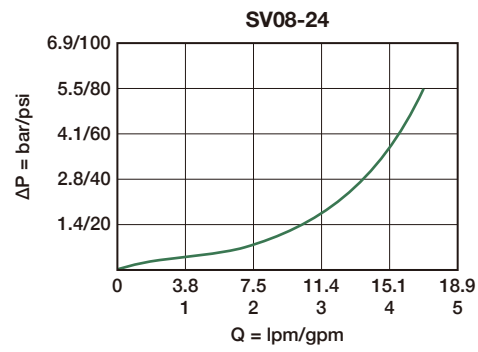
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-24	SAE-08-2	17	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.25
SV10-24	SAE-10-2	38		33.9		0.47

PERFORMANCE CURVES

► Typical Pressure Drop

— energized

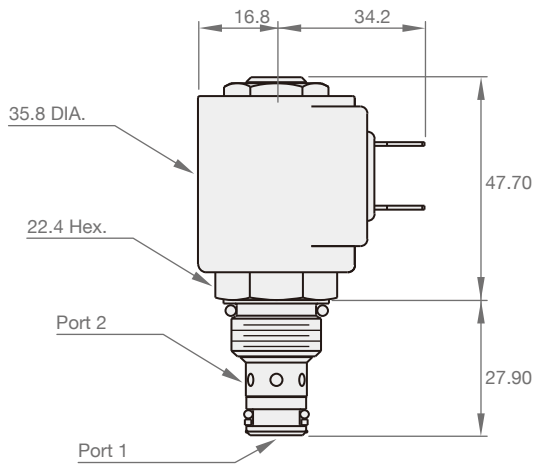
* 32cSt / 150 ssu oil at 40°C



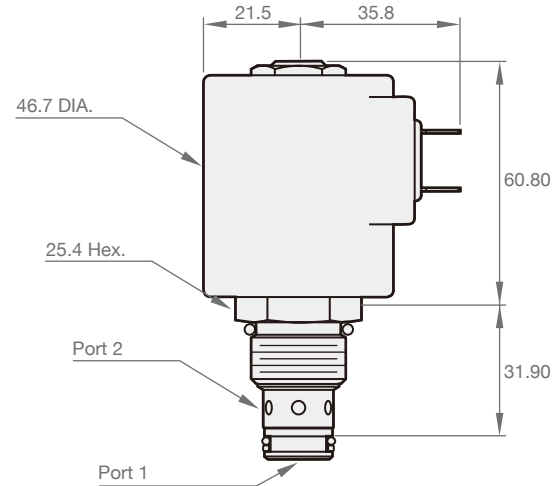
DIMENSION

(UNIT : mm)

► SV08-24



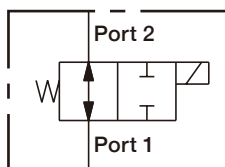
► SV10-24



SV-25



SYMBOLS



ORDER CODES

SV **10** - **25** - **D1** - **DL** - **N**

1
2
3
4
5

1	Valve Size	08, 10	
2	Model Name	25	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

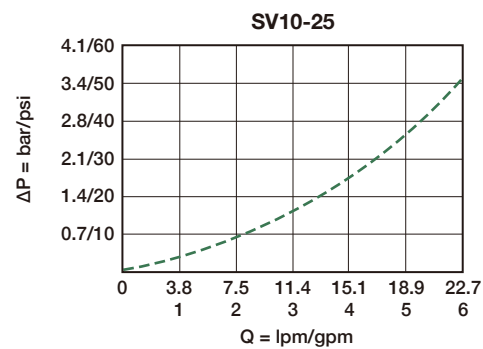
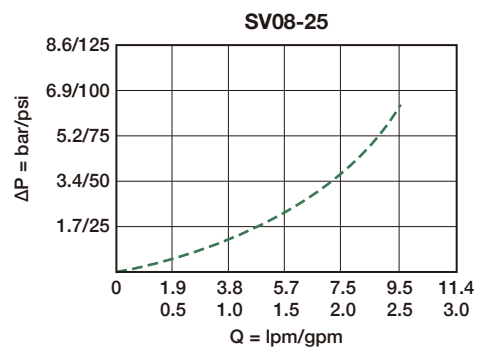
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-25	SAE-08-2	18	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.25
SV10-25	SAE-10-2	22		33.9		0.47

PERFORMANCE CURVES

► Typical Pressure Drop

--- de-energized

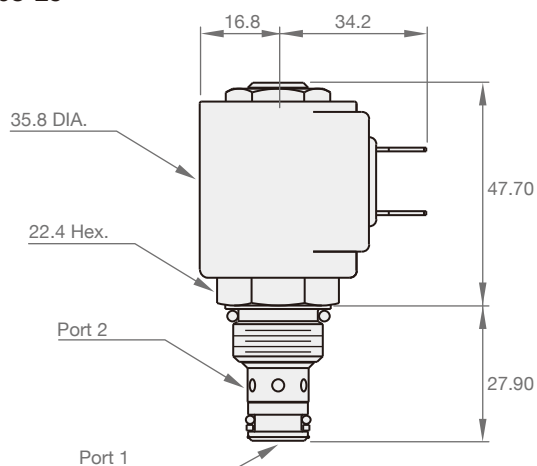
* 32cSt / 150 ssu oil at 40°C



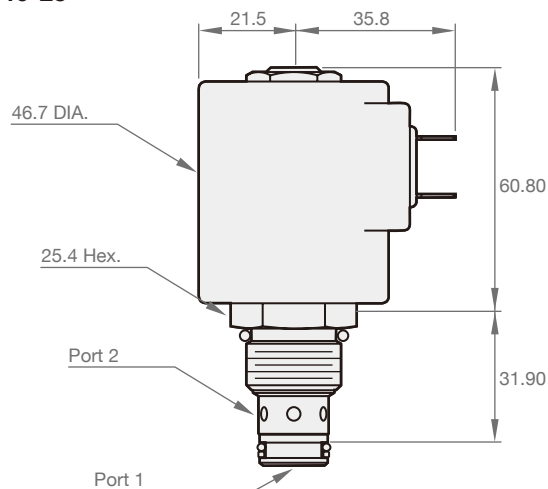
DIMENSION

(UNIT : mm)

► SV08-25



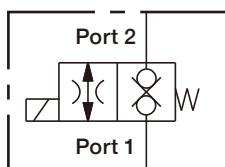
► SV10-25



SV-26



SYMBOLS



ORDER CODES

SV **08** - **26** - **A1** - **DR** - **N**

1
2
3
4
5

1	Valve Size	08	
2	Model Name	26	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

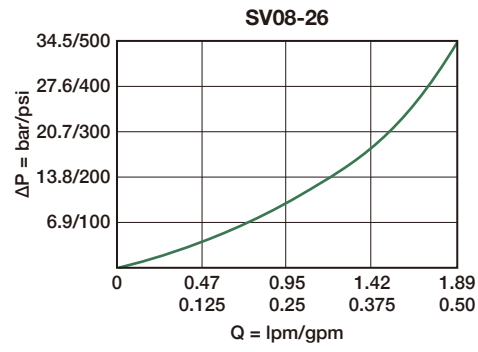
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-26	SAE-08-2	1	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.26

PERFORMANCE CURVES

► Typical Pressure Drop

energized,
Port 2 → Port 1 or
Port 1 → Port 2

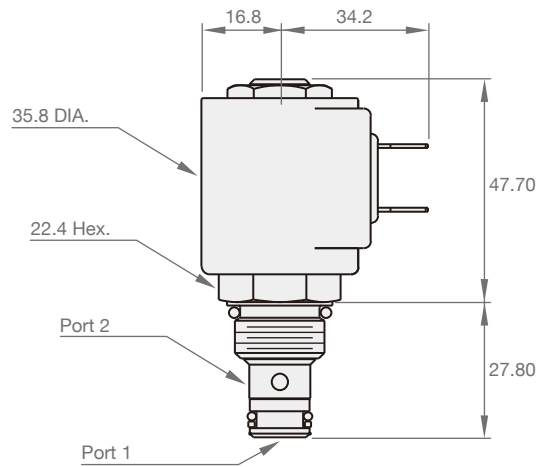
* 32cSt / 150 ssu oil at 40°C



DIMENSION

(UNIT : mm)

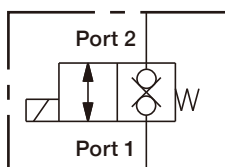
► SV08-26



SV-28



SYMBOLS



ORDER CODES

SV **08** - **28G** **M** - **D1** - **DG** - **N**

1 2 3 4 5 6

1	Valve Size	08, 38, 10, 12	
2	Model Name	28G, 28	
3	Control Manner	none	without manual override
		M	manual override *
4	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
5	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
6	Material of Seal	N	buna-N
		V	viton

* Only for SV08-28GM

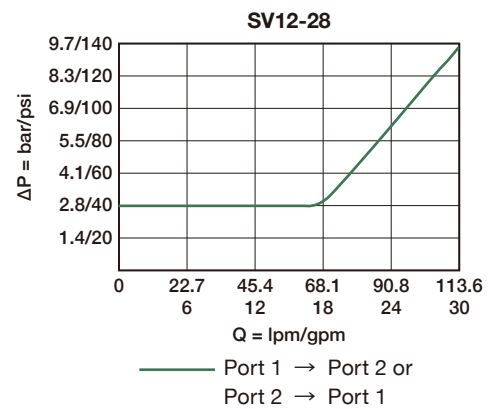
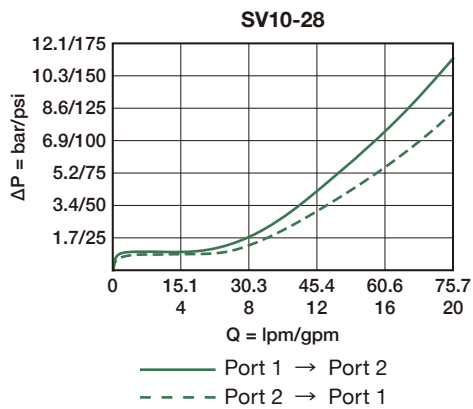
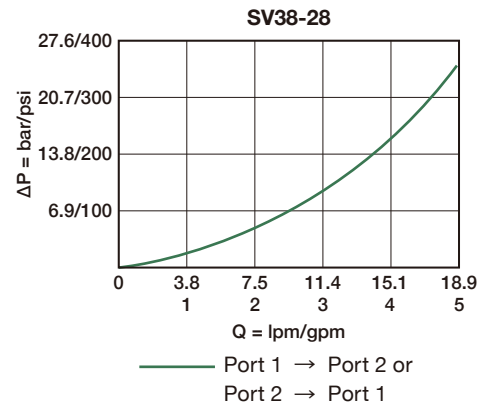
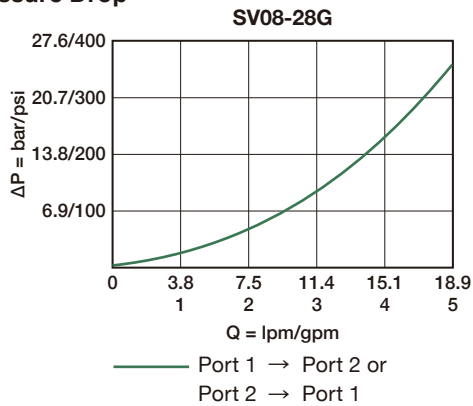
MODEL SPEC.

Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-28G	SAE-08-2	19	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.30
SV08-28GM	SAE-08-2	19		27.1		0.43
SV38-28	SAE-08-2	19		27.1		0.48
SV10-28	SAE-10-2	38		33.9		0.48
SV12-28	SAE-12-2	76		47.4		0.55

* SV38-28 : direct acting. SV08-28G : pilot.

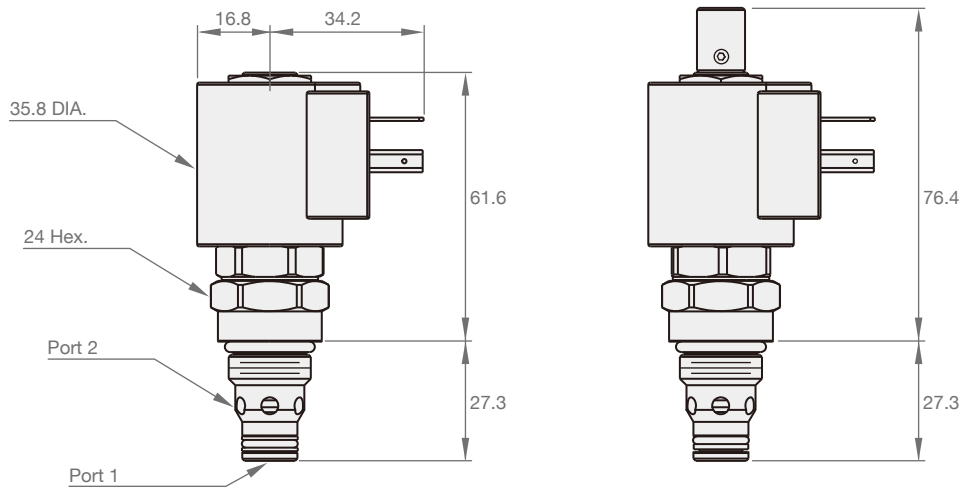
PERFORMANCE CURVES

► Typical Pressure Drop

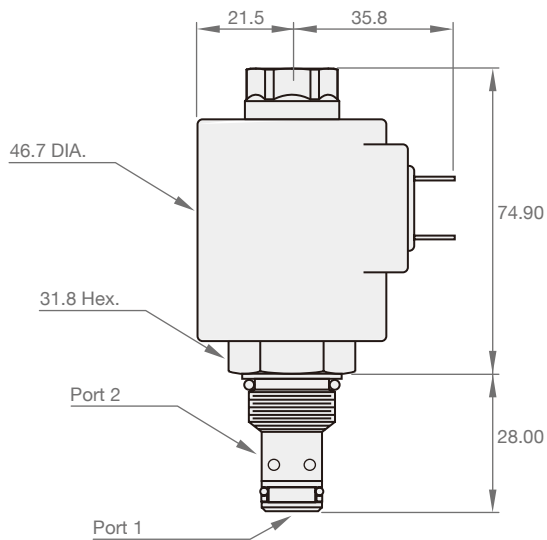


* 32cSt / 150 ssu oil at 40°C

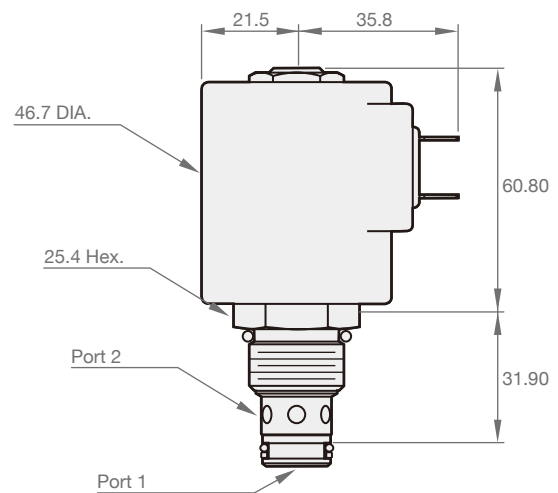
► SV08-28G, SV08-28GM



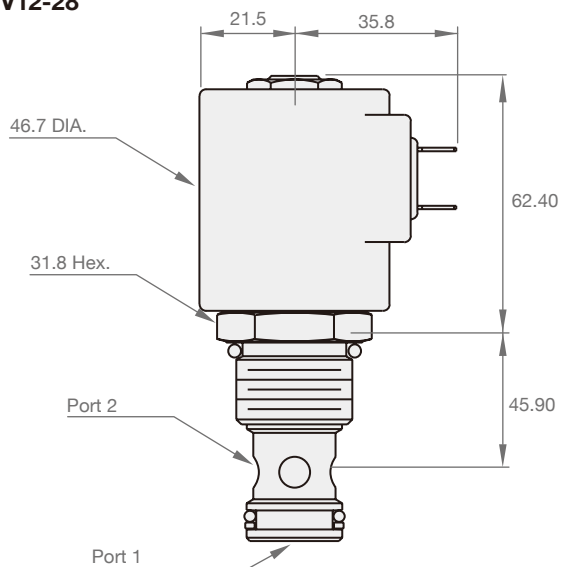
► SV38-28

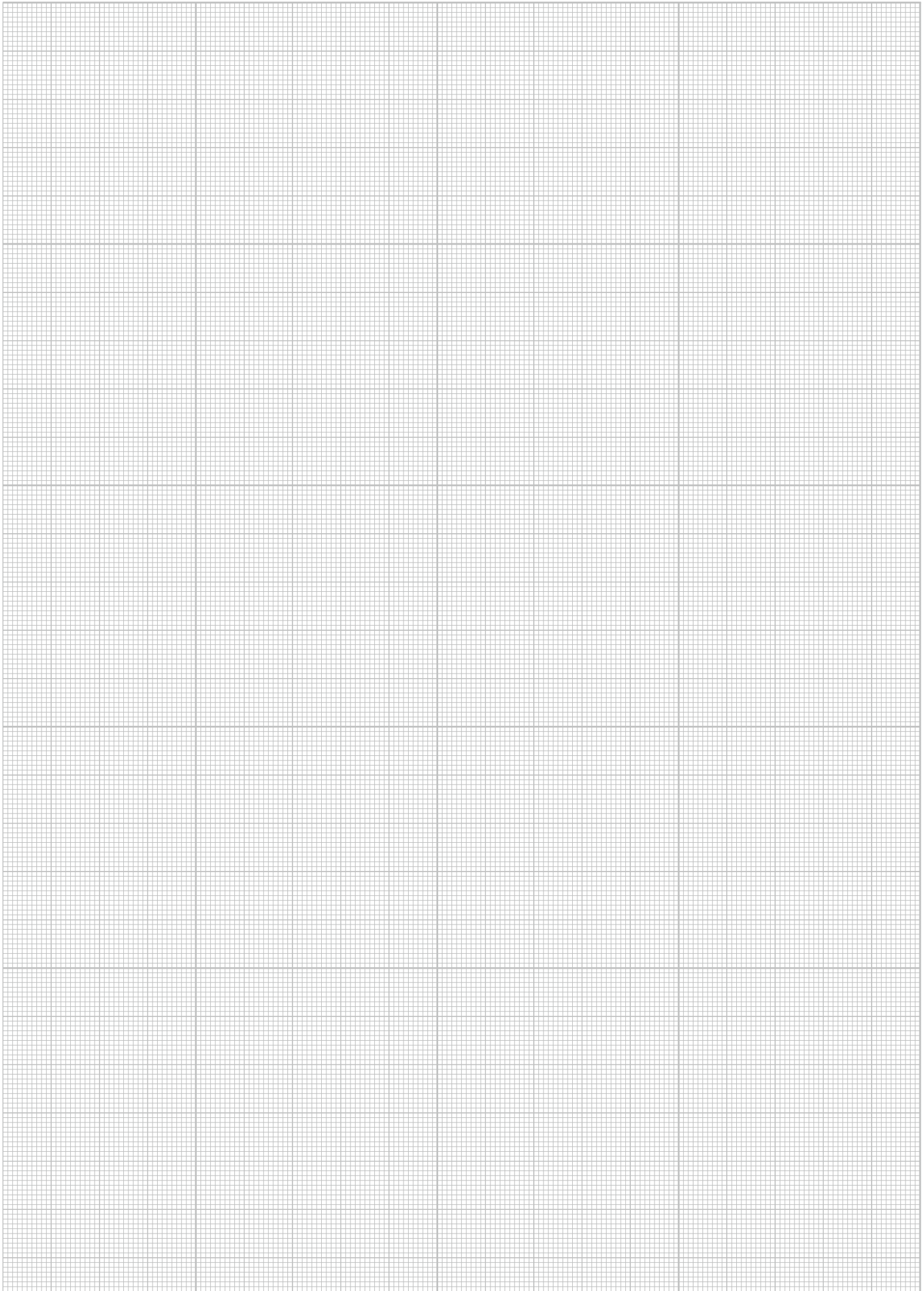


► SV10-28



► SV12-28

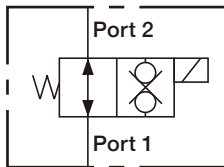




SV-29



SYMBOLS



ORDER CODES

SV **12** - **29** **M** - **D2** - **DG** - **N**

1
2
3
4
5
6

1	Valve Size	10, 12	
2	Model Name	29	
3	Control Manner	none	without manual override
		M	manual override
4	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
5	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
6	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

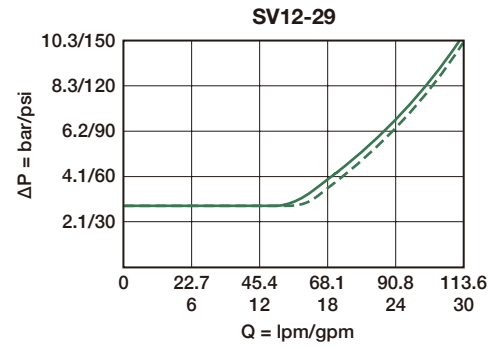
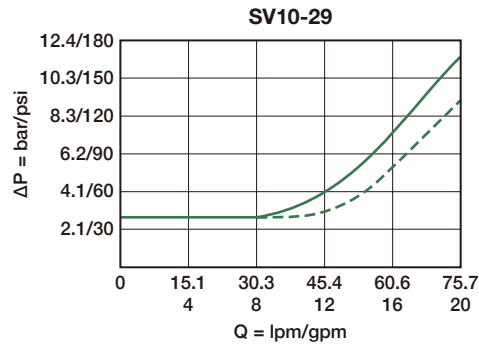
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV10-29	SAE-10-2	75.7	240	33.9	-35 ~ 100°C (-31 ~ 212°F)	0.48
SV10-29M	SAE-10-2	75.7		33.9		0.48
SV12-29	SAE-12-3	113.6		47.4		0.56
SV12-29M	SAE-12-3	113.6		47.4		0.56

PERFORMANCE CURVES

► Typical Pressure Drop

- Port 1 → Port 2
- - - Port 2 → Port 1

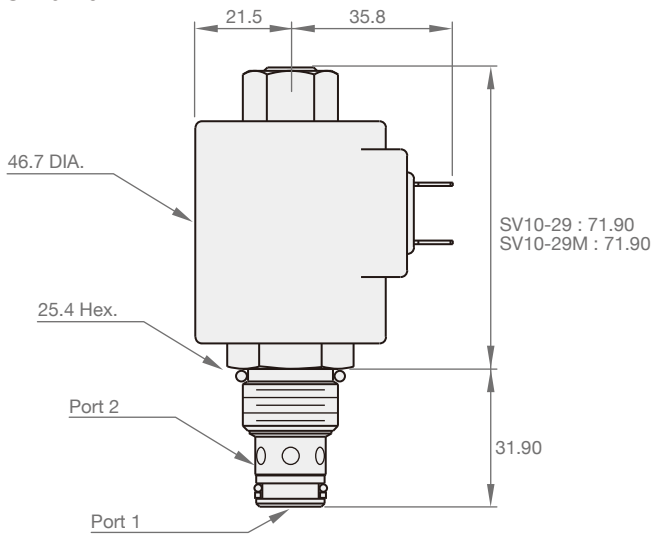
* 32cSt / 150 ssu oil at 40°C



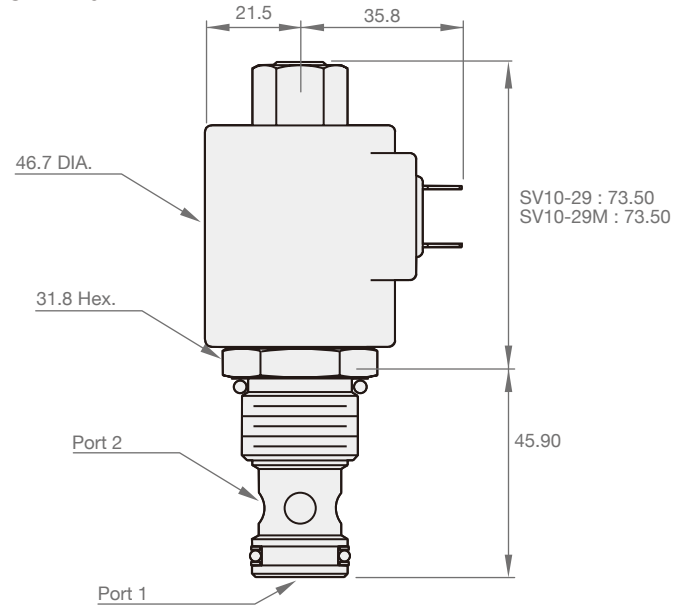
DIMENSION

(UNIT : mm)

► SV10-29



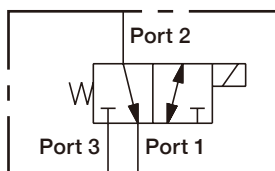
► SV12-29



SV-30



SYMBOLS



ORDER CODES

SV **08** - **30** - **D1** - **DR** - **N**

1
2
3
4
5

1	Valve Size	08	
2	Model Name	30	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

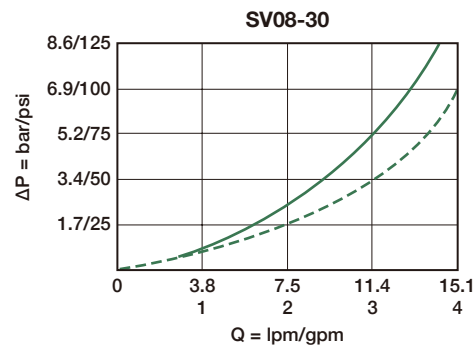
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-30	SAE-08-3	15	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.26

PERFORMANCE CURVES

► Typical Pressure Drop

- de-energized,
Port 2 → Port 1
- energized,
Port 3 → Port 2

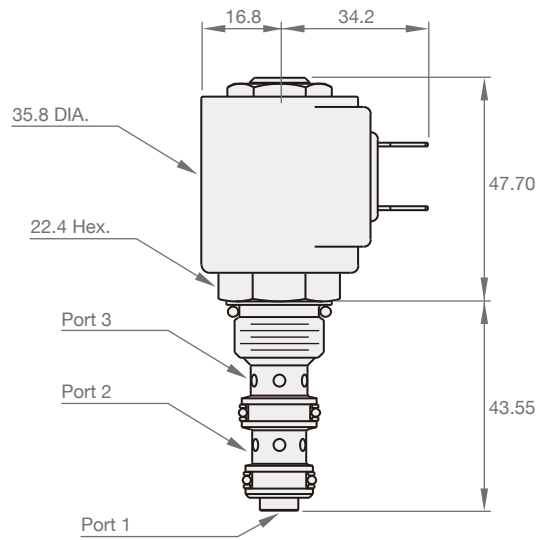
* 32cSt / 150 ssu oil at 40°C



DIMENSION

(UNIT : mm)

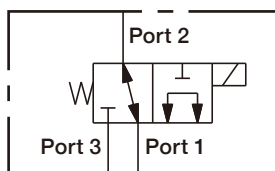
► SV08-30



SV-31



SYMBOLS



ORDER CODES

SV **10** - **31** - **A2** - **DL** - **N**

1
2
3
4
5

1	Valve Size	08, 10	
2	Model Name	31	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

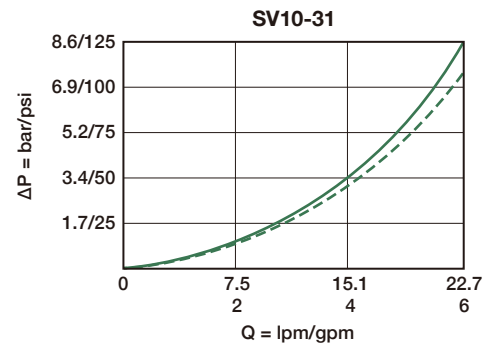
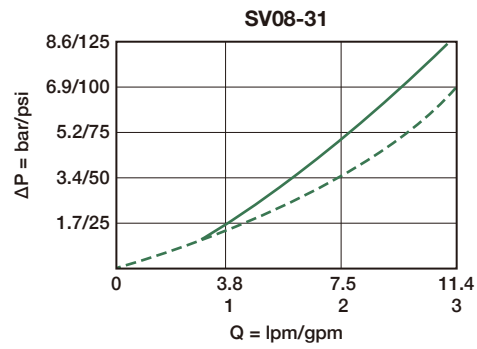
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-31	SAE-08-3	11	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.26
SV10-31	SAE-10-3	22		33.9		0.48

PERFORMANCE CURVES

► Typical Pressure Drop

- de-energized,
Port 2 → Port 1
- energized,
Port 1 → Port 3

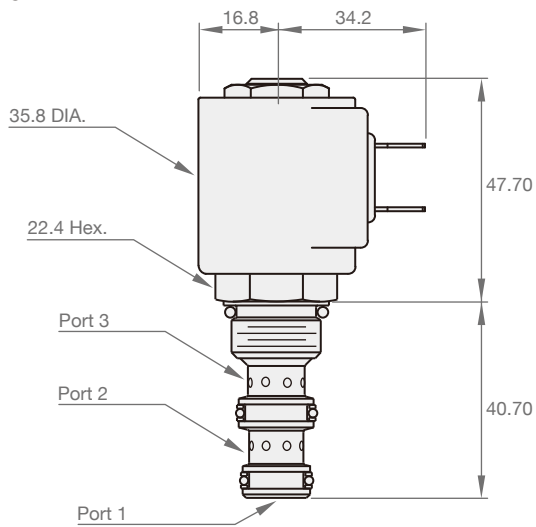
* 32cSt / 150 ssu oil at 40°C



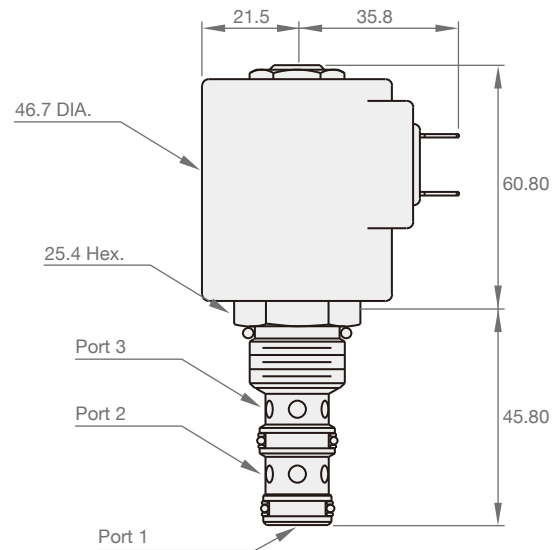
DIMENSION

(UNIT : mm)

► SV08-31



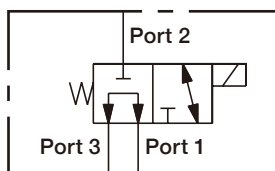
► SV10-31



SV-33



SYMBOLS



ORDER CODES

SV **08** - **33** - **D1** - **DG** - **N**

1
2
3
4
5

1	Valve Size	08, 10	
2	Model Name	33	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

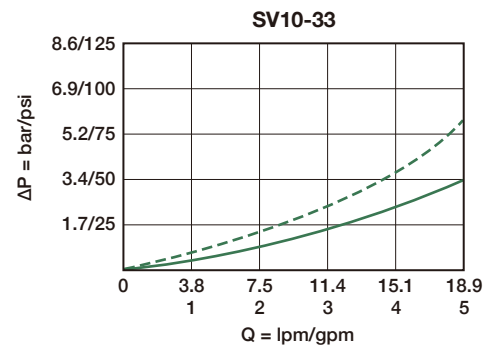
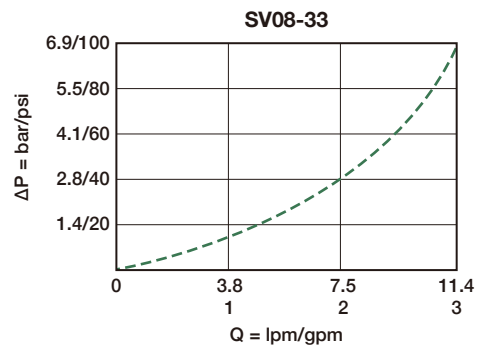
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-33	SAE-08-3	11	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.26
SV10-33	SAE-10-3	19		33.9		0.47

PERFORMANCE CURVES

► Typical Pressure Drop

- de-energized,
Port 3 → Port 1
- energized,
Port 1 → Port 2

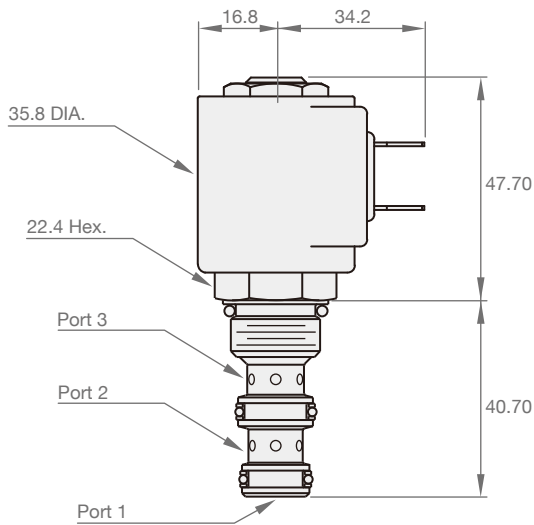
* 32cSt / 150 ssu oil at 40°C



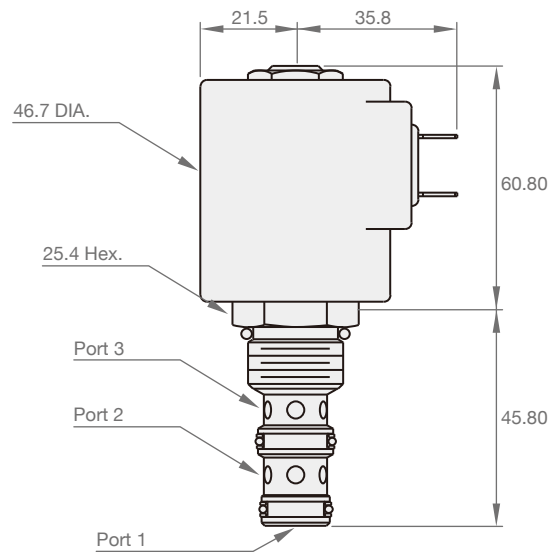
DIMENSION

(UNIT : mm)

► SV08-33



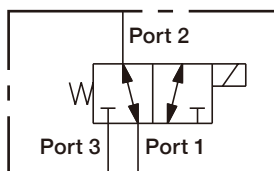
► SV10-33



SV-34



SYMBOLS



ORDER CODES

SV **10** - **34** - **D2** - **DR** - **N**

1
2
3
4
5

1	Valve Size	08, 10	
2	Model Name	34	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

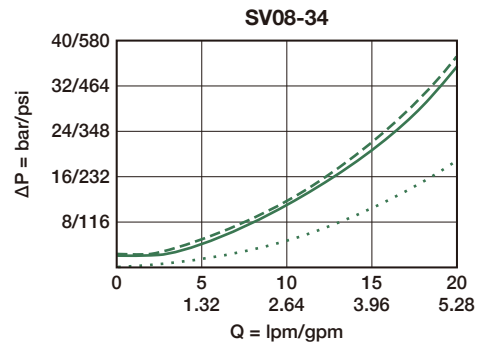
MODEL SPEC.

Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-34	SAE-08-3	11	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.26
SV10-34	SAE-10-3	23		33.9		0.48

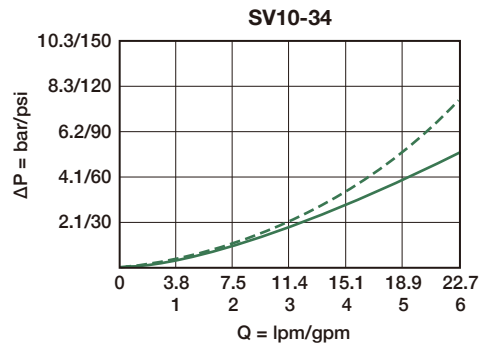
PERFORMANCE CURVES

► Typical Pressure Drop

- Port 3 → Port 2
- Port 2 → Port 3
- ... Port 1 → Port 2
Port 2 → Port 1



- de-energized,
Port 2 → Port 1
- energized,
Port 2 → Port 3

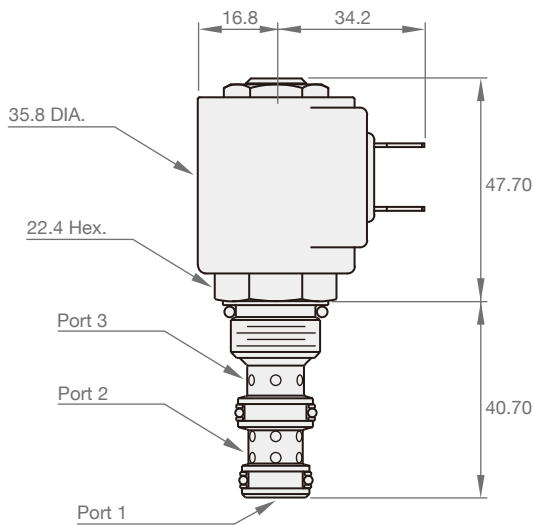


* 32cSt / 150 ssu oil at 40°C

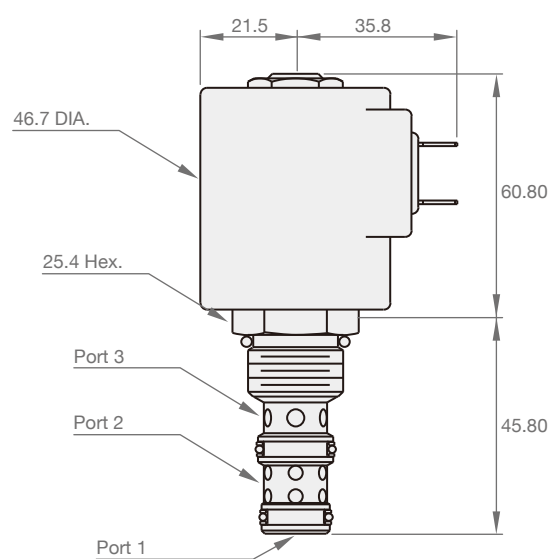
DIMENSION

(UNIT : mm)

► SV08-34



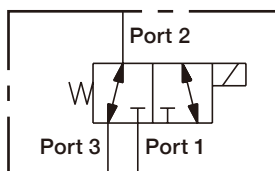
► SV10-34



SV-35



SYMBOLS



ORDER CODES

SV **08** - **35** - **D2** - **DR** - **N**

1
2
3
4
5

1	Valve Size	08	
2	Model Name	35	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

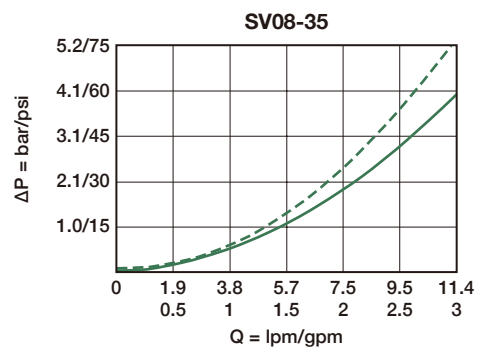
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-35	SAE-08-3	11	241	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.26

PERFORMANCE CURVES

► Typical Pressure Drop

- de-energized,
Port 2 → Port 3
- energized,
Port 2 → Port 1

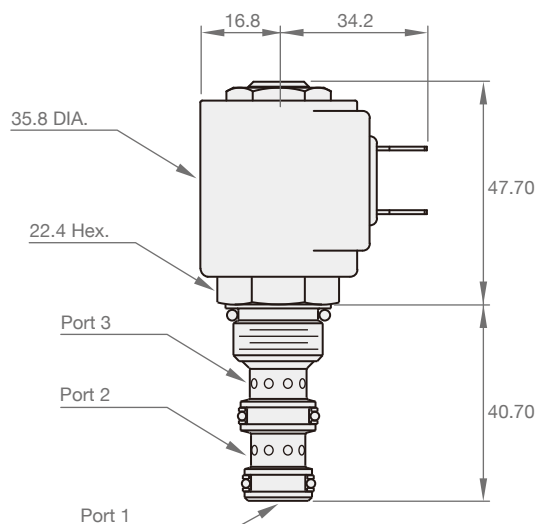
* 32cSt / 150 ssu oil at 40°C



DIMENSION

(UNIT : mm)

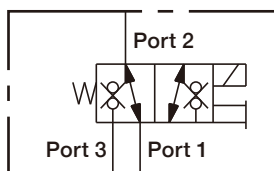
► SV08-35



SV38-38



SYMBOLS



ORDER CODES

SV **38** - **38** - **A1** - **DR** - **N**

1
2
3
4
5

1	Valve Size	38	
2	Model Name	38	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

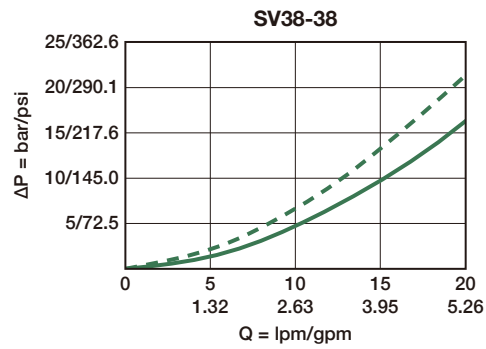
MODEL SPEC.

Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV38-38	SAE-08-3	11	250	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.33

PERFORMANCE CURVES

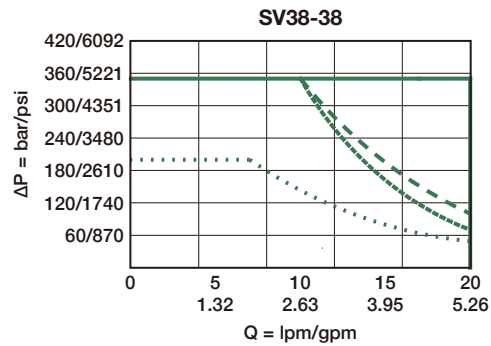
► Typical Pressure Drop

- Port 3 → Port 2,
Port 2 → Port 3
- Port 1 → Port 2,
Port 2 → Port 1



► Performance Range

- Port 2 → Port 1
- Port 3 → Port 2
- Port 1 → Port 2
- Port 2 → Port 3

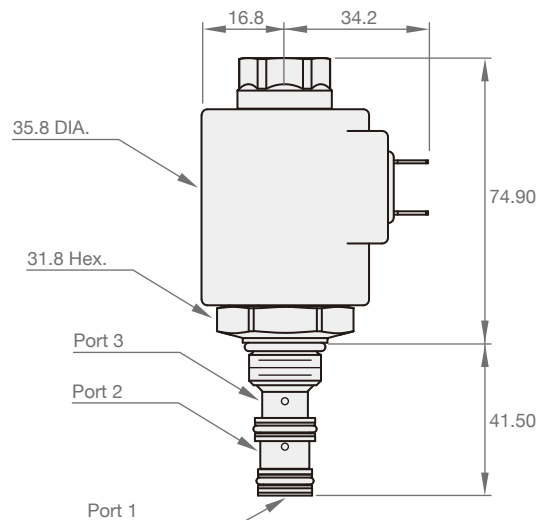


* 32cSt / 150 ssu oil at 40°C

DIMENSION

(UNIT : mm)

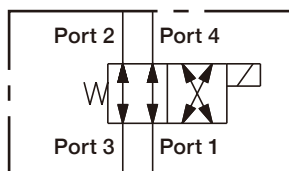
► SV38-38



SV-40



SYMBOLS



ORDER CODES

SV **08** - **40** - **A1** - **DL** - **N**

1
2
3
4
5

1	Valve Size	08, 10	
2	Model Name	40	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-40	SAE-08-4	11	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.248
SV10-40	SAE-10-4	22		33.9		0.33

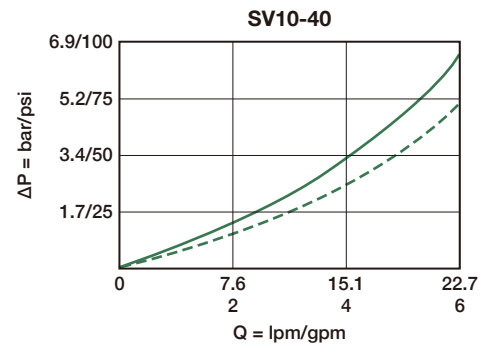
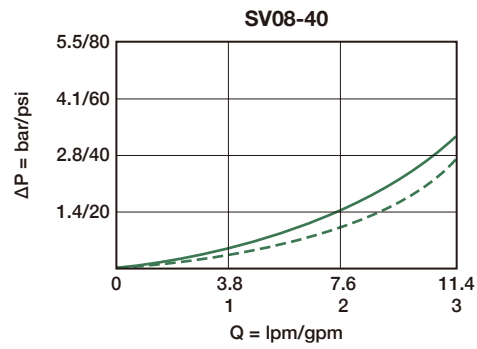
PERFORMANCE CURVES

► Typical Pressure Drop

--- de-energized,
Port 4 → Port 1

— Port 3 → Port 2

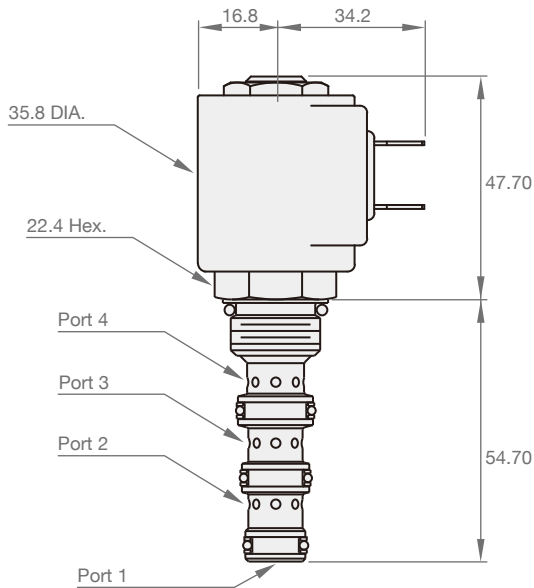
* 32cSt / 150 ssu oil at 40°C



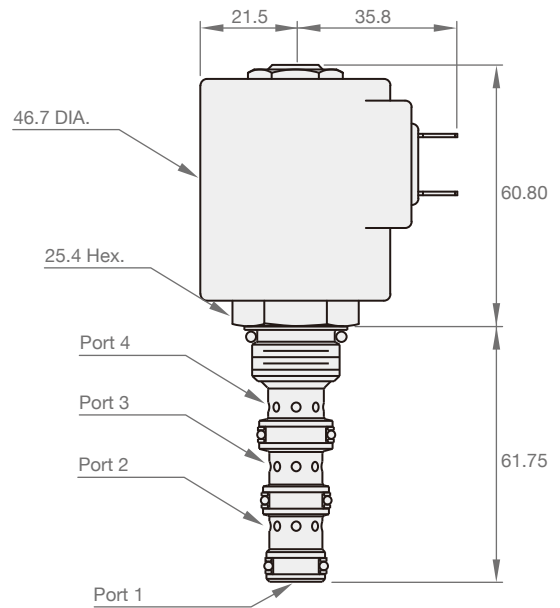
DIMENSION

(UNIT : mm)

► SV08-40



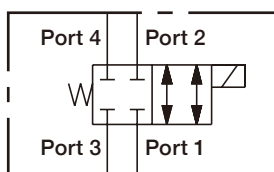
► SV10-40



SV-41



SYMBOLS



ORDER CODES

SV **08** - **41** - **D1** - **DG** - **N**

1
2
3
4
5

1	Valve Size	08, 10	
2	Model Name	41	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

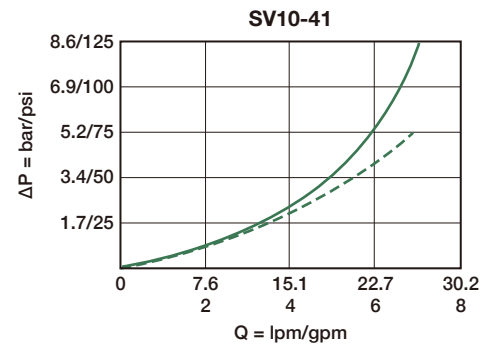
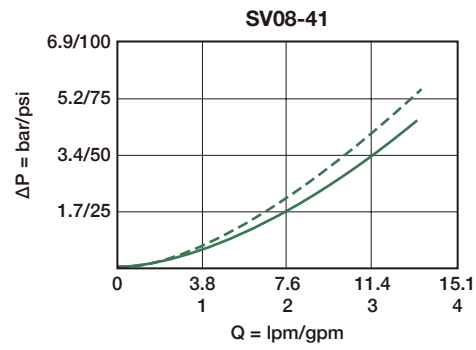
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-41	SAE-08-4	11	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.248
SV10-41	SAE-10-4	22		33.9		0.33

PERFORMANCE CURVES

► Typical Pressure Drop

--- Port 2 → Port 1
 — Port 3 → Port 4

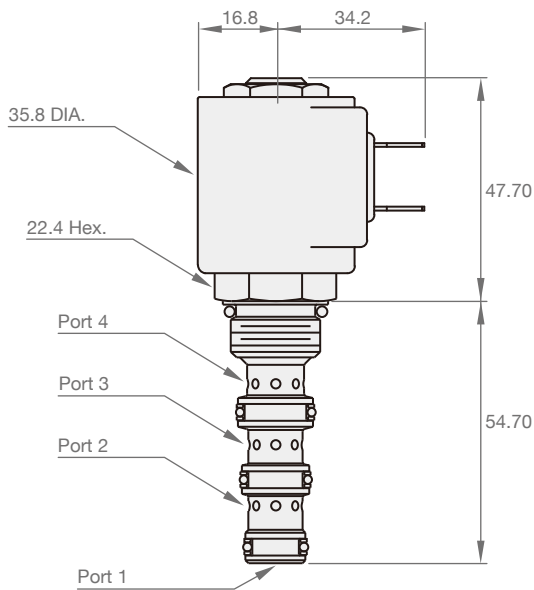
* 32cSt / 150 ssu oil at 40°C



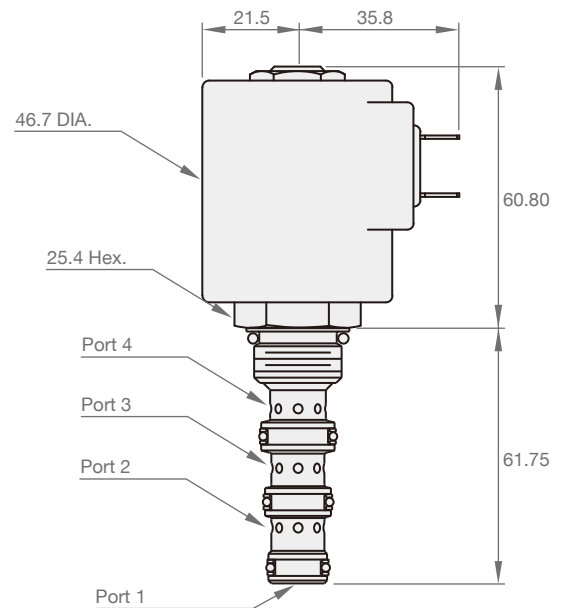
DIMENSION

(UNIT : mm)

► SV08-41



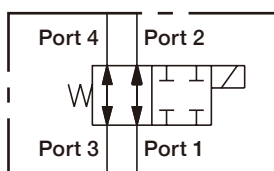
► SV10-41



SV-42



SYMBOLS



ORDER CODES

SV **08** - **42** - **D2** - **DG** - **N**

1 2 3 4 5

1	Valve Size	08, 10	
2	Model Name	42	
3	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
4	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
5	Material of Seal	N	buna-N
		V	viton

MODEL SPEC.

Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)
SV08-42	SAE-08-4	11	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.248
SV10-42	SAE-10-4	22		33.9		0.33

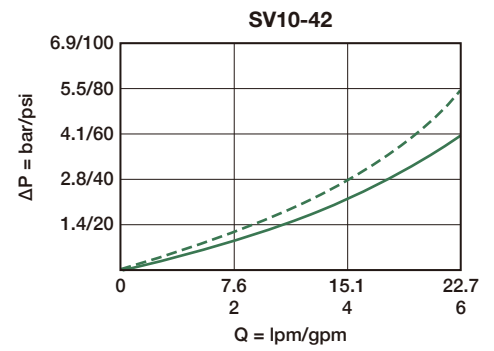
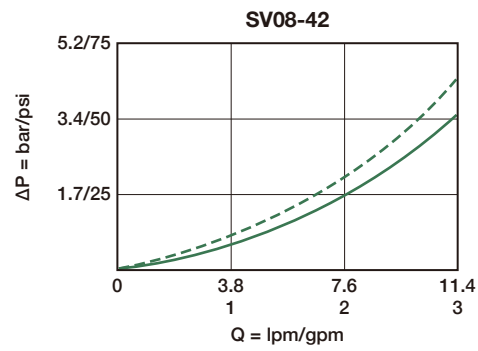
PERFORMANCE CURVES

► Typical Pressure Drop

--- Port 2 → Port 1

— Port 3 → Port 4

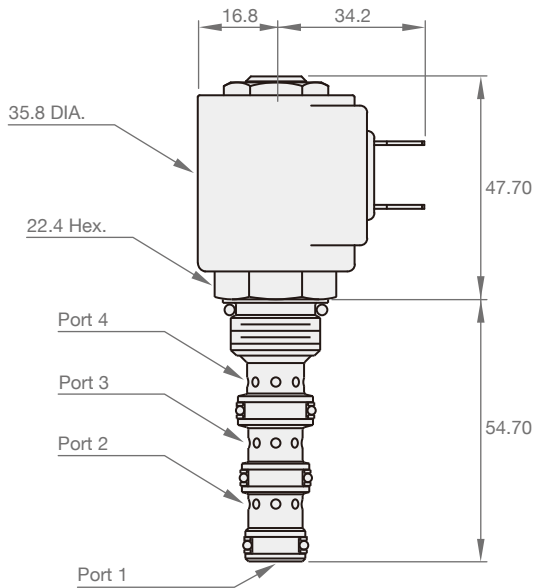
* 32cSt / 150 ssu oil at 40°C



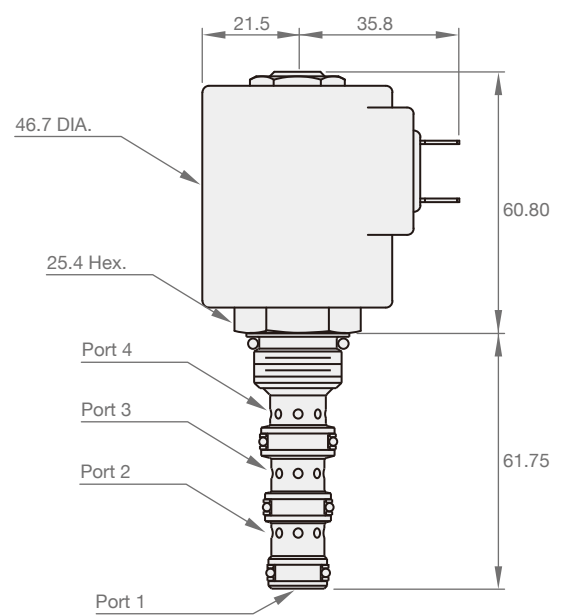
DIMENSION

(UNIT : mm)

► SV08-42



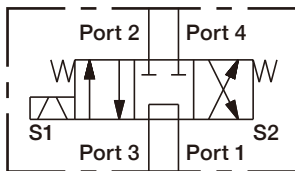
► SV10-42



SV-47A



SYMBOLS



ORDER CODES

SV **08** - **47A** **M** - **A1** - **DG** - **N**

1 2 3 4 5 6

1	Valve Size	08, 10	
2	Model Name	47A	
3	Control Manner	none	without manual override
		M	manual override *
4	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
5	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
6	Material of Seal	N	buna-N
		V	viton

* Only for SV08-47AM

MODEL SPEC.

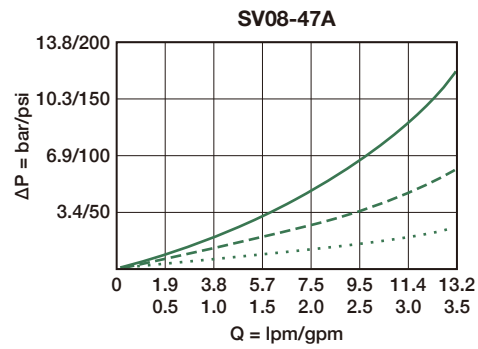
Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)	
						none	M
SV08-47A	SAE-08-4	11	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.43	0.45
SV10-47A	SAE-10-4	14		33.9		1.45	-

PERFORMANCE CURVES

► Typical Pressure Drop

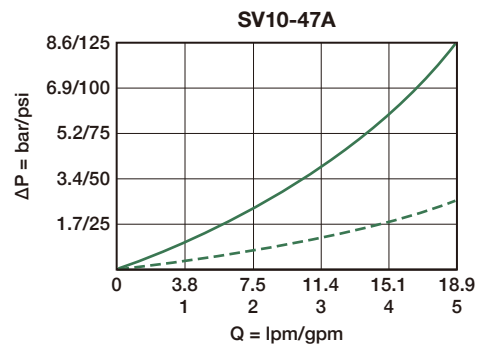
- Port 3 → Port 2 or 4
- - - Port 2 or 4 → Port 1
- Port 3 → Port 1

* 32cSt / 150 ssu oil at 40°C



- loop
- Port 3 → Port 2
- Port 4 → Port 1
- neutral
- Port 3 → Port 1

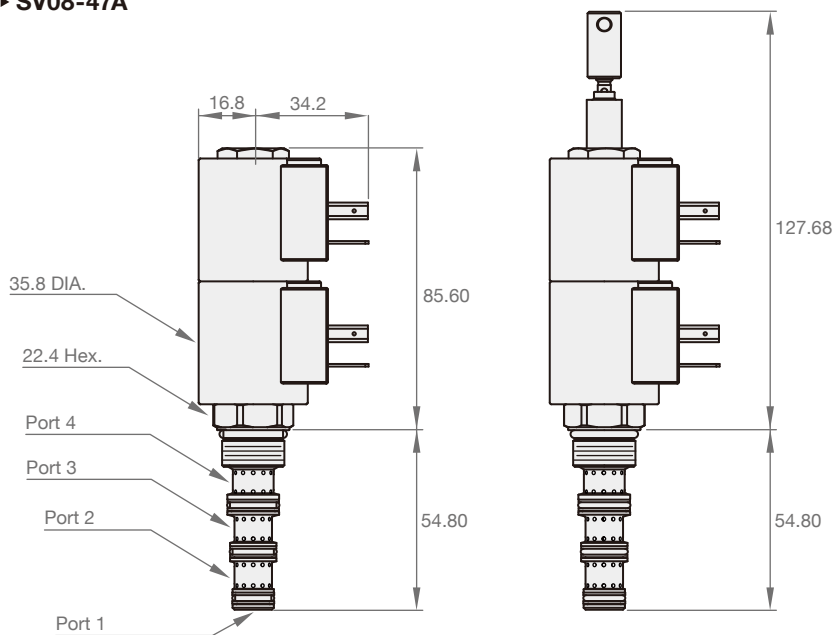
* 32cSt / 150 ssu oil at 40°C



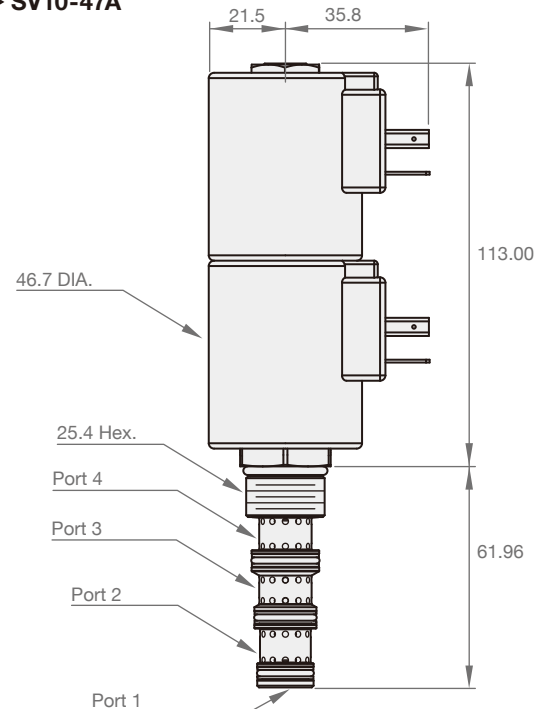
DIMENSION

(UNIT : mm)

► SV08-47A



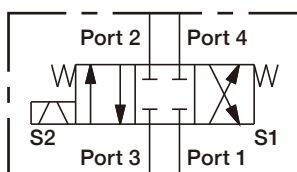
► SV10-47A



SV-47C



SYMBOLS



ORDER CODES

SV **08** - **47C** **M** - **D1** - **DL** - **N**

1 2 3 4 5 6

1	Valve Size	08, 10	
2	Model Name	47C	
3	Control Manner	none	without manual override
		M	manual override *
4	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
5	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
6	Material of Seal	N	buna-N
		V	viton

* Only for SV08-47CM

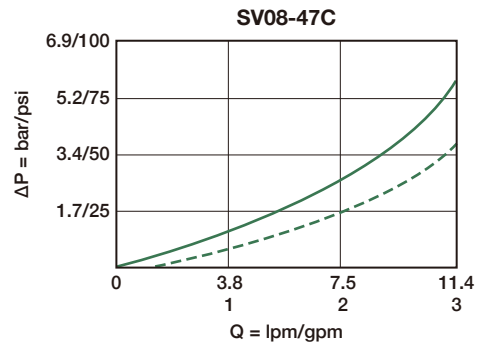
MODEL SPEC.

Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)	
						none	M
SV08-47C	SAE-08-4	11	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.43	0.45
SV10-47C	SAE-10-4	22		33.9		1.45	-

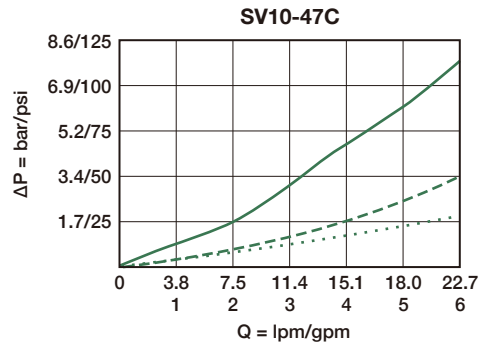
PERFORMANCE CURVES

► Typical Pressure Drop

- Port 3 → Port 2 or 4
- - - Port 2 or 4 → Port 1



- Port 3 → Port 2 or 4
- - - Port 4 → Port 1
- Port 2 → Port 1

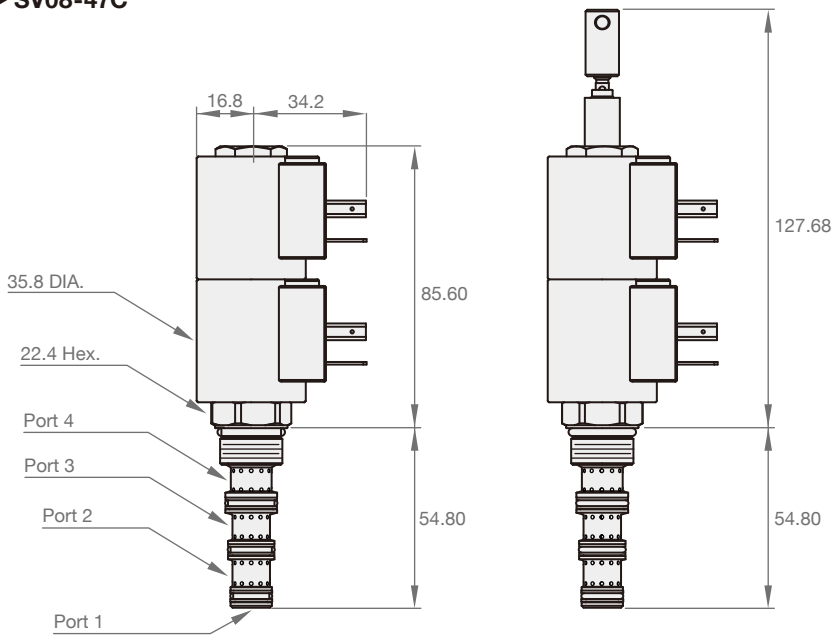


* 32cSt / 150 ssu oil at 40°C

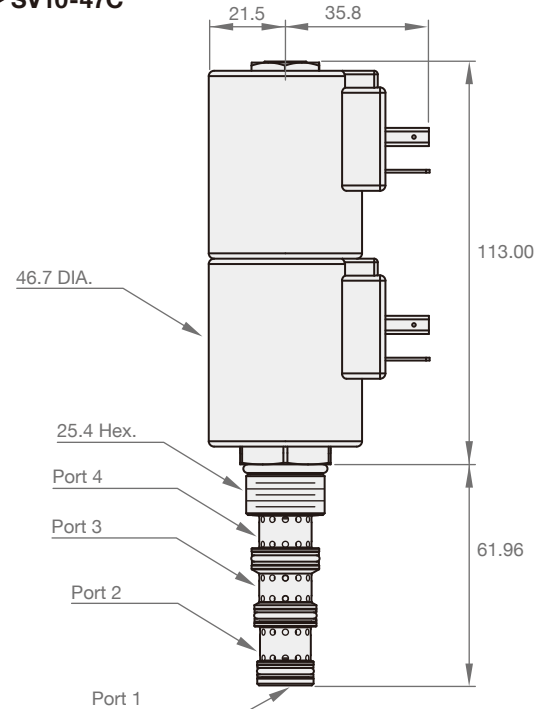
DIMENSION

(UNIT : mm)

► SV08-47C



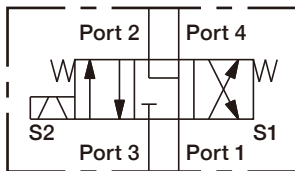
► SV10-47C



SV-47D



SYMBOLS



ORDER CODES

SV **08** - **47D** **M** - **A2** - **DL** - **N**

1
2
3
4
5
6

1	Valve Size	08, 10	
2	Model Name	47D	
3	Control Manner	none	without manual override
		M	manual override *
4	Voltage (coil)	A1	115 VAC
		A2	230 VAC
		D1	12 VDC
		D2	24 VDC
5	Connector (coil)	DG	DIN connector type
		DL	wiring type
		DR	Deutsch DT04-2P
6	Material of Seal	N	buna-N
		V	viton

* Only for SV08-47DM

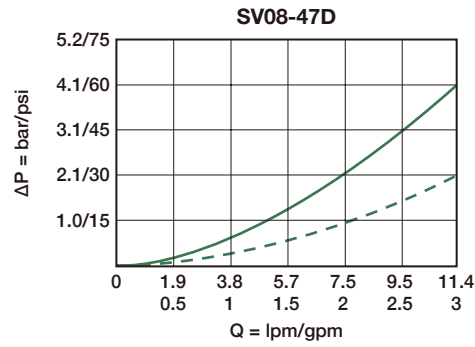
MODEL SPEC.

Model	Cavity	Capacity (l/min)	Max. Pressure (bar)	Installation Torque (Nm)	Operating Temperature	Weight (kg)	
						none	M
SV08-47D	SAE-08-4	11	255	27.1	-35 ~ 100°C (-31 ~ 212°F)	0.43	0.45
SV10-47D	SAE-10-4	22		33.9		1.45	-

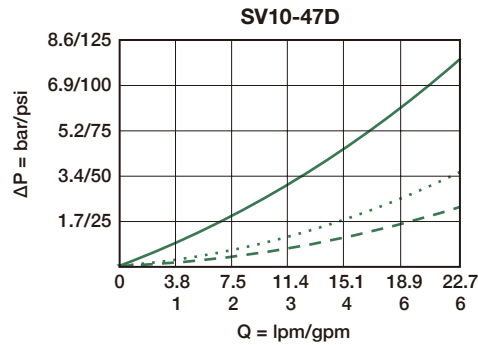
PERFORMANCE CURVES

► Typical Pressure Drop

- Port 3 → Port 2
- Port 3 → Port 4
- Port 4 → Port 1
- - - Port 2 or 4 → Port 1



- Port 3 → Port 2 or 4
- Port 4 → Port 1
- - - Port 2 → Port 1

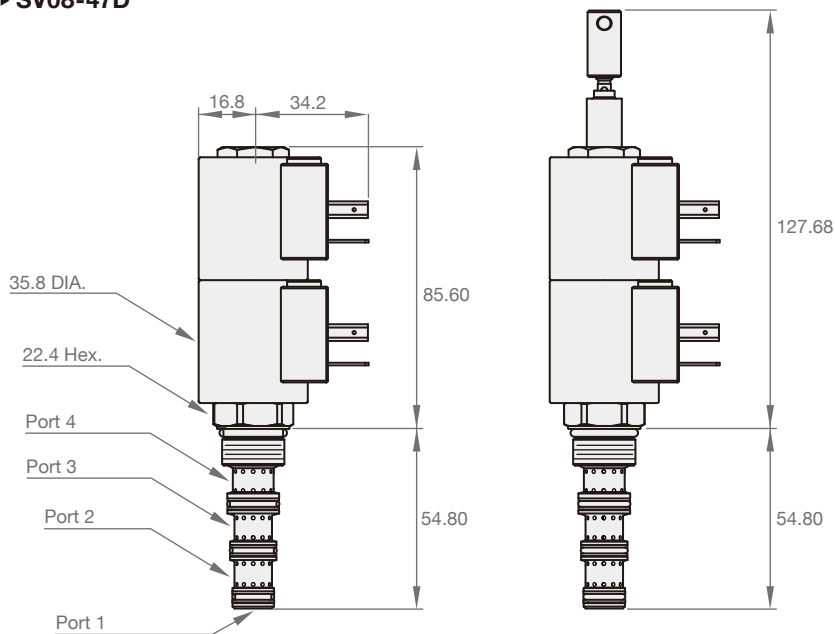


* 32cSt / 150 ssu oil at 40°C

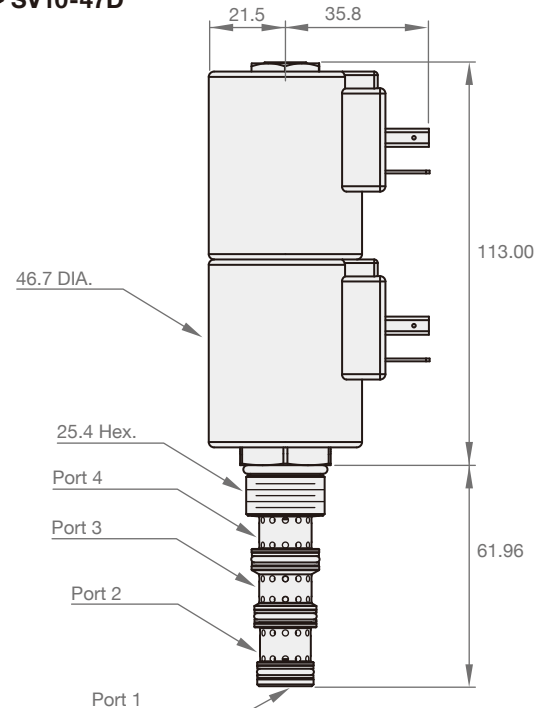
DIMENSION

(UNIT : mm)

► SV08-47D



► SV10-47D



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