SVC0.S08 Valve Series

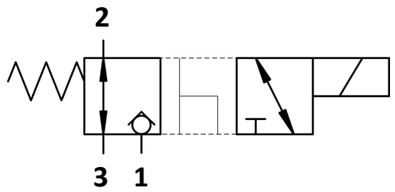
SAE Cartridge - 250 bar
Directional Valve - 3/2 Seated type

Description
A Solenoid operated, 3 way 2 positions, seated type, direct acting, screw-in hydraulic directional cartridge valve.
In the de-energized mode, the SVC0.S08 allows flow bidirectionally between ports 2 and 3, while blocking flow at 1. In this stage the leakage on port 1 is very limited.
In the energized mode, bidirectional flow is allowed between ports 1 and 2, while flow is blocked at 3 with a low leakage.
The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability.
Low pressure drop thanks to optimized flow path.

Technical Features
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel.
Poppet is hardened and micron finished to ensure minimal wear and extended service life.
Coil seals protect the solenoid system.
Manual override option.
Industry SAE common cavity.

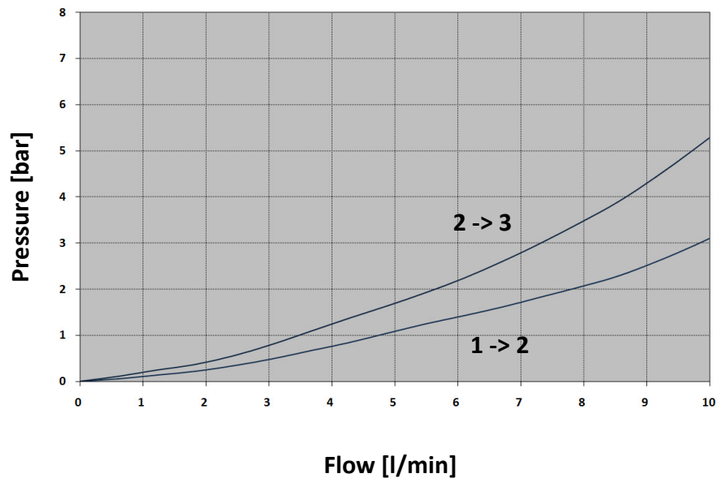
Note: Standard sealing NBR (BUNA-N)

Symbols



Performance Details

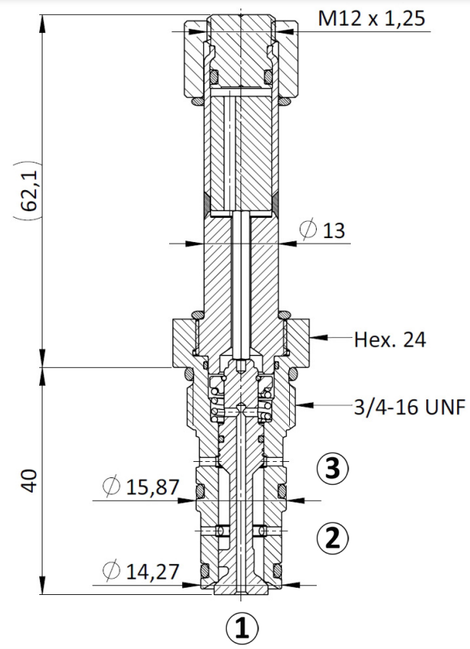
Note: For information about operating limits, please contact the factory.



Technical Data
Maximum operating pressure: 250 bar
Maximum flow: 10 l/min
Leakage on port 1: max 5 drops/min @ 250 bar
Leakage: max 85 cc/min @ 250 bar
Temperature: -30°C to 110°C
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt
Minimum pull-in voltage: 85% of nominal
Orientation: no restrictions
Installation torque: 35-40 Nm
Seal kit code: SK.035 and SK.027 (coil)
Weight: 0.140 kg

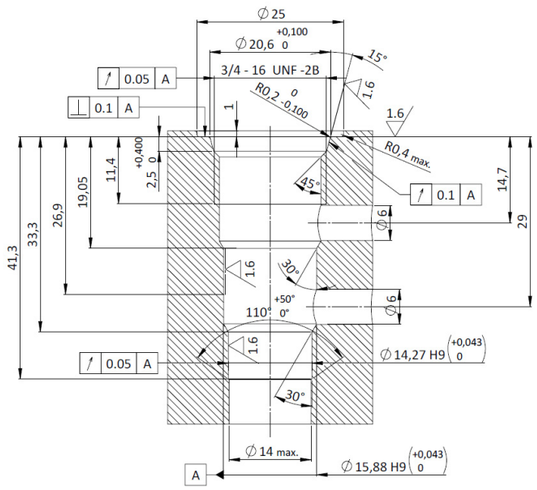
NOTE: The performance chart illustrates flow handling capacity 2 to 3 (de-en) and 1 to 2 (en). P/Q curves are recorded at TOil = 40°C and 46 cSt

Cross Section



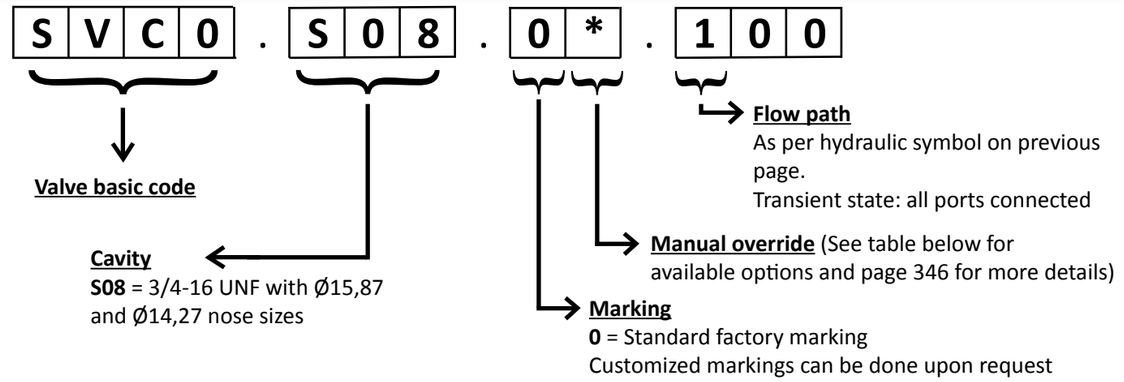
Cavity Details

SAE08-2



See page 349

Ordering Code



Manual Override

Model Code	Type of override
0	No override
3	Push pin
4	Push knob
8	Screw

Coil

Use **22W** coil to operate this valve.
For more details see page 336.

SVC0.S08 Valve Series

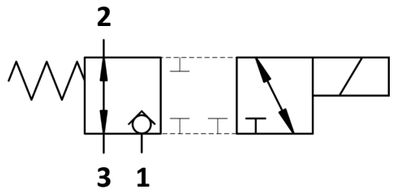
SAE Cartridge - 250 bar
Directional Valve - 3/2 Seated type

Description
A Solenoid operated, 3 way 2 positions, seated type, direct acting, screw-in hydraulic directional cartridge valve.
In the de-energized mode, the SVC0.S08 allows flow bidirectionally between ports 2 and 3, while blocking flow at 1. In this stage the leakage on port 1 is very limited.
In the energized mode, bidirectional flow is allowed between ports 1 and 2, while flow is blocked at 3 with a low leakage.
The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability.
Low pressure drop thanks to optimized flow path.

Technical Features
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel.
Poppet is hardened and micron finished to ensure minimal wear and extended service life.
Coil seals protect the solenoid system.
Manual override option.
Industry SAE common cavity.

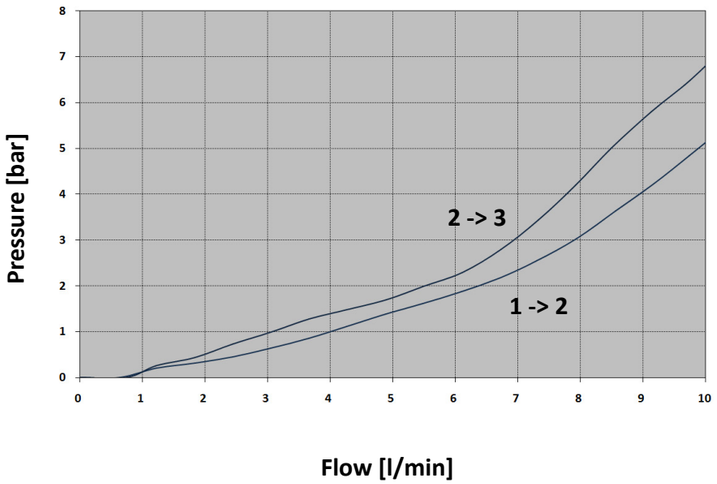
Note: Standard sealing NBR (BUNA-N)

Symbols



Performance Details

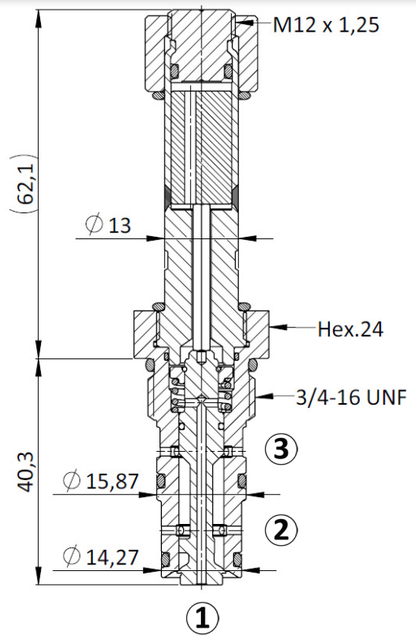
Note: For information about operating limits, please contact the factory.



Technical Data
Maximum operating pressure: 250 bar
Maximum flow: 10 l/min
Leakage on port 1: max 5 drops/min @ 250 bar
Leakage: max 85 cm^3/min @ 250 bar
Temperature: -30°C to 110°C
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt
Minimum pull-in voltage: 85% of nominal
Orientation: no restrictions
Installation torque: 35-40 Nm
Seal kit code: SK.035 and SK.027 (coil)
Weight: 0.140 kg

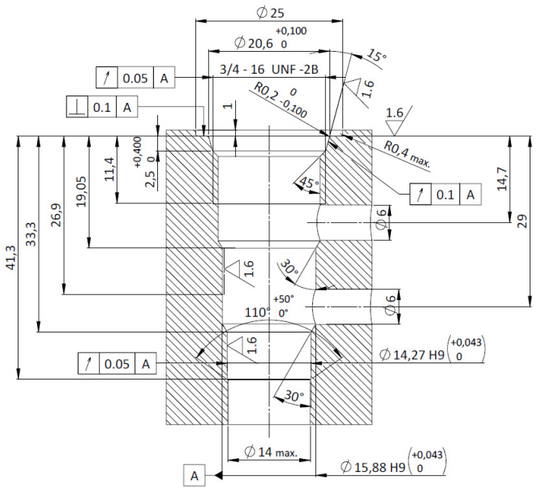
NOTE: The performance chart illustrates flow handling capacity 2 to 3 (de-en) and 1 to 2 (en). P/Q curves are recorded at TOil = 40°C and 46 cSt

Cross Section



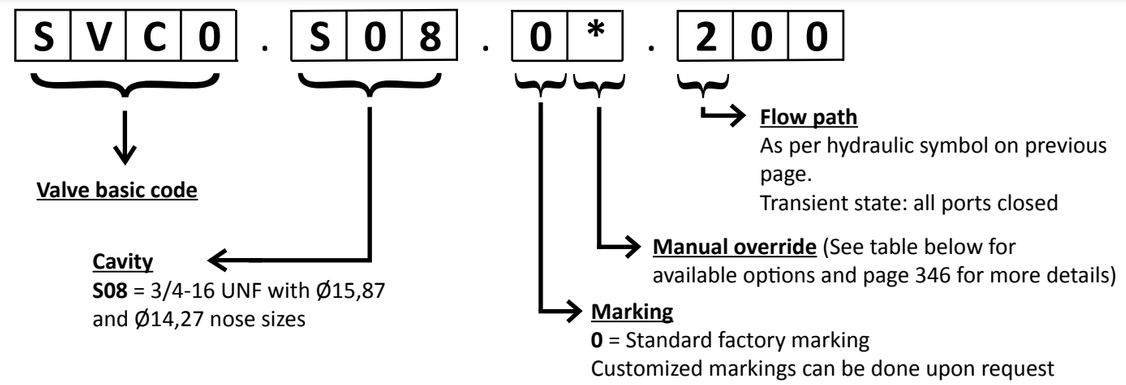
Cavity Details

SAE08-2



See page 349

Ordering Code



Manual Override

Model Code	Type of override
0	No override
3	Push pin
4	Push knob
8	Screw

Coil

Use **22W** coil to operate this valve.
For more details see page 336.

SVI0.S08 Valve Series

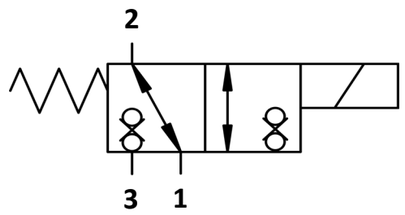
SAE Cartridge - 250 bar
Directional Valve - 3/2 Seated type

Description
A Solenoid operated, 3 way 2 positions, seated type, direct acting, bi-directional blocking, screw-in hydraulic directional cartridge valve.
In the de-energized mode, the SVI0.S08 allows flow bi-directionally between ports 1 and 2, while blocking flow at 3. In the energized mode, bi-directional flow is allowed between ports 3 and 2, while flow is blocked at 1 with extremely low leakage.
Even if port 1 and 3 maybe fully pressurized they are not intended to be used as the inlet.
The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability.
Low pressure drop thanks to optimized flow path.

Technical Features
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel.
Poppet is hardened and micron finished to ensure minimal wear and extended service life.
Coil seals protect the solenoid system.
Manual override option.
Industry SAE common cavity.

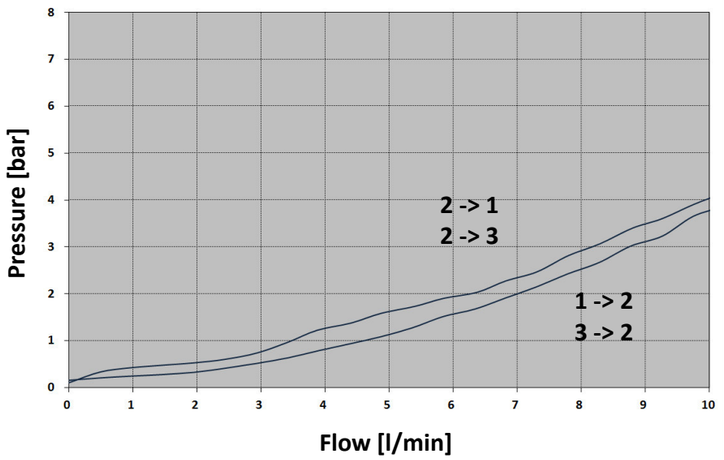
Note: Standard sealing NBR (BUNA-N)

Symbols



Performance Details

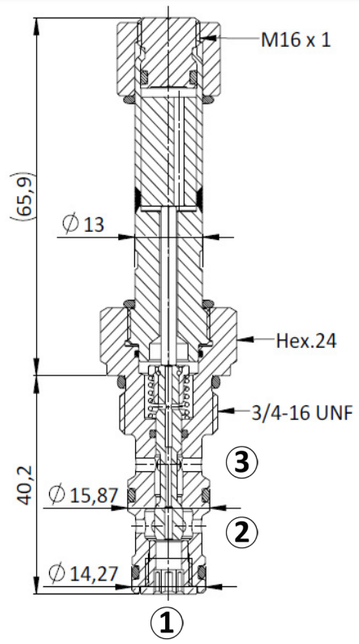
Note: For information about operating limits, please contact the factory.



Technical Data
Maximum operating pressure: 250 bar
Maximum flow: 10 l/min
Leakage: max 5 drops/min @ 250 bar
Temperature: -30°C to 110°C
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt
Minimum pull-in voltage: 85% of nominal
Orientation: no restrictions
Installation torque: 35-40 Nm
Seal kit code: SK.076 and SK.070 (coil)
Weight: 0.231 kg

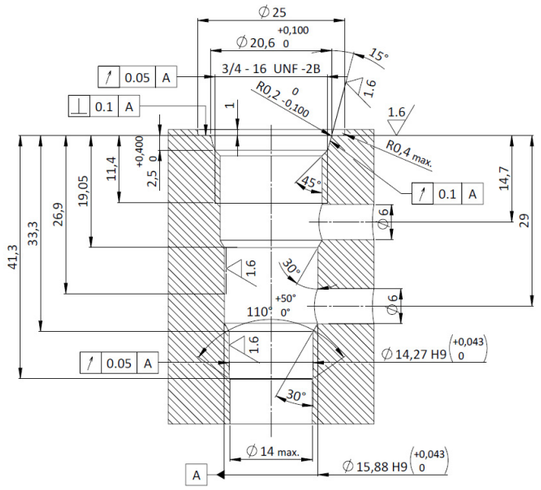
NOTE: The performance chart illustrates flow handling capacity 2 to 3 (energized) and 2 to 1 (de-energized). P/Q curves are recorded at TOil = 40°C and 46 cSt

Cross Section



Cavity Details

SAE08-2



See page 349

Ordering Code

S V I 0 . S 0 8 . 0 * . 0 0 0

Valve basic code

Cavity
S08 = 3/4-16 UNF with Ø15,87 and Ø14,27 nose sizes

Manual override (See table below for available options and page 346 for more details)

Marking
0 = Standard factory marking
Customized markings can be done upon request

Manual Override

Model Code	Type of override
0	No override
3	Push pin
4	Push knob
8	Screw

Coil

Use **22W** coil to operate this valve.
For more details see page 336.

SVI0.S10 Valve Series

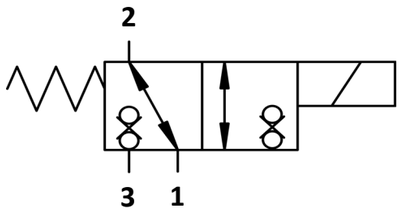
SAE Cartridge - 250 bar
Directional Valve - 3/2 Seated type

Description
A Solenoid operated, 3 way 2 positions, seated type, direct acting, bi-directional blocking, screw-in hydraulic directional cartridge valve.
In the de-energized mode, the SVI0.S10 allows flow bi-directionally between ports 1 and 2, while blocking flow at 3. In the energized mode, bi-directional flow is allowed between ports 3 and 2, while flow is blocked at 1 with extremely low leakage.
Even if port 1 and 3 maybe fully pressurized they are not intended to be used as the inlet.
The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability.
Low pressure drop thanks to optimized flow path.

Technical Features
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel.
Poppet is hardened and micron finished to ensure minimal wear and extended service life.
Coil seals protect the solenoid system.
Manual override option.
Industry SAE common cavity.

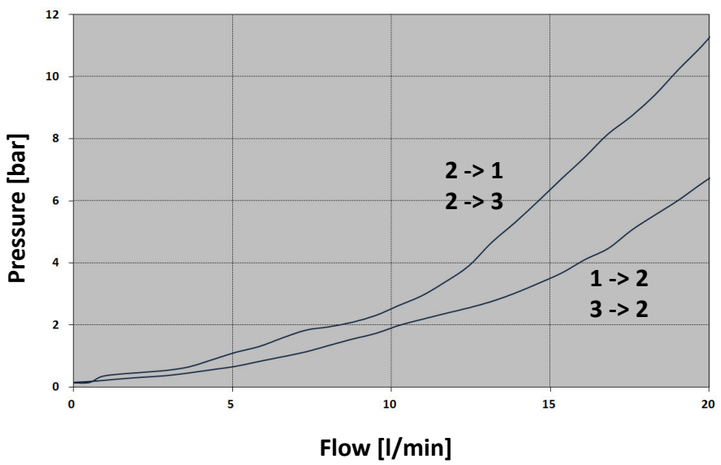
Note: Standard sealing NBR (BUNA-N)

Symbols



Performance Details

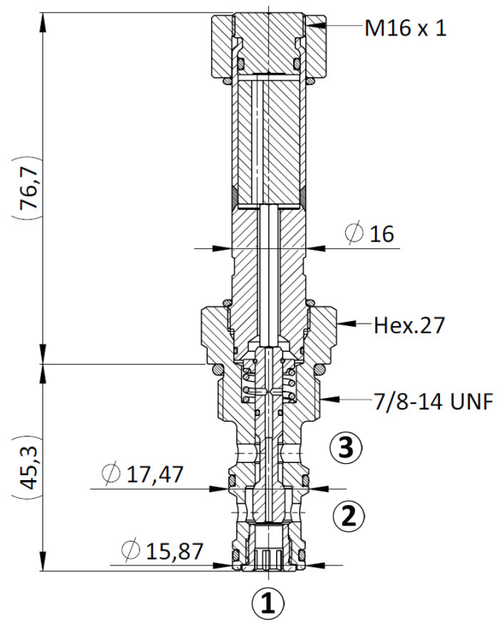
Note: For information about operating limits, please contact the factory.



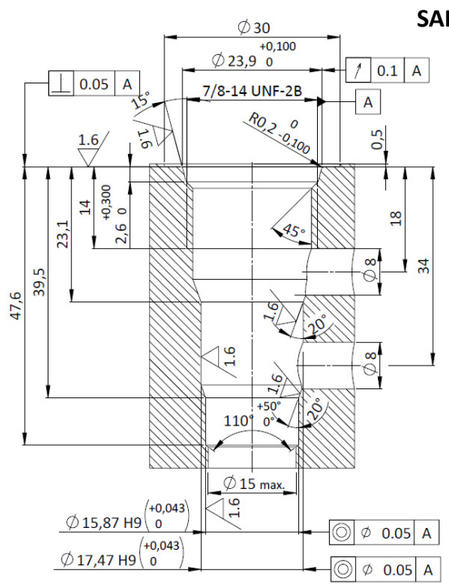
Technical Data
Maximum operating pressure: 250 bar
Maximum flow: 20 l/min
Leakage: max 5 drops/min @ 250 bar
Temperature: -30°C to 110°C
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt
Minimum pull-in voltage: 85% of nominal
Orientation: no restrictions
Installation torque: 35-40 Nm
Seal kit code: SK.076 and SK.070 (coil)
Weight: 0.231 kg

NOTE: The performance chart illustrates flow handling capacity 2 to 3 (energized) and 2 to 1 (de-energized). P/Q curves are recorded at TOil = 40°C and 46 cSt

Cross Section



Cavity Details



See page 351

Ordering Code

S V I 0 . S 1 0 . 0 * . 0 0 0

Valve basic code

Cavity
S10 = 7/8-14 UNF with Ø17,47 and Ø15,87 nose sizes

Manual override (See table below for available options and page 346 for more details)

Marking
0 = Standard factory marking
Customized markings can be done upon request

Manual Override

Model Code	Type of override
0	No override
3	Push pin
4	Push knob
8	Screw

Coil

Use **26W** coil to operate this valve.
For more details see page 340.

SVP0.M18 Valve Series

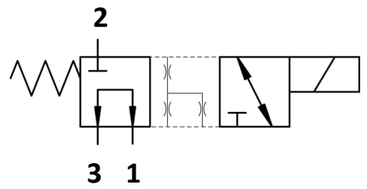
METRIC Cartridge - 210 bar
Directional Valve - 3/2 Spool type

Description
A Solenoid operated, 3 way 2 positions, spool type, direct acting, screw-in hydraulic directional cartridge valve.
In the de-energized mode, the SVP0.M18 allows flow bidirectionally between ports 1 and 3, while blocking flow at 2.
In the energized mode, bidirectional flow is allowed between ports 1 and 2, while flow is blocked at 3.
Even if port 1 may be fully pressurized, it is not intended to be used as the inlet.
Low pressure drop thanks to optimized flow path.

Technical Features
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel.
Spool and cage are hardened and super-finished to ensure minimal wear and extended service life.
Coil seals protect the solenoid system.
Metric cavity.

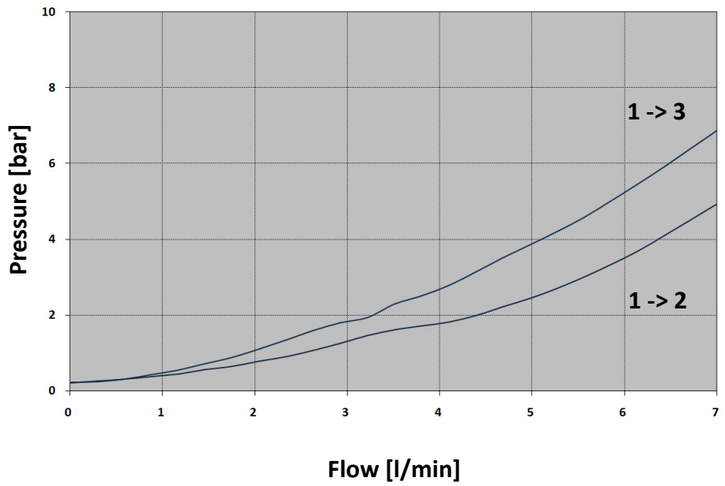
Note: Standard sealing NBR (BUNA-N)

Symbols



Performance Details

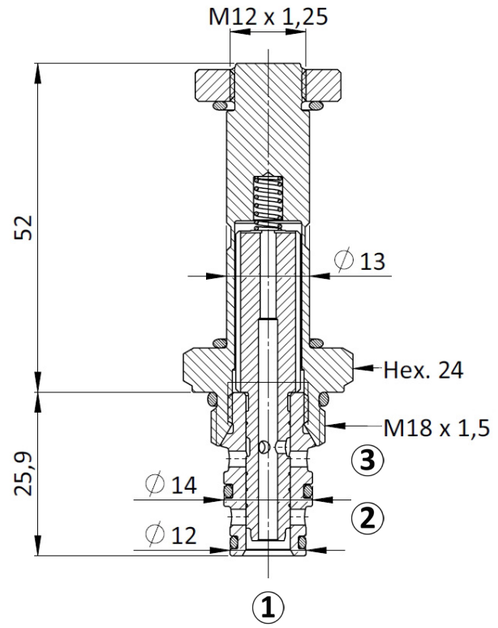
Note: For information about operating limits, please contact the factory.



Technical Data
Maximum operating pressure: 210 bar
Maximum flow: 7 l/min
Internal leakage: max 20 cm^3/min @ 210 bar
Temperature: -30°C to 110°C
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt
Minimum pull-in voltage: 85% of nominal
Orientation: no restrictions
Installation torque: 10-15 Nm
Seal kit code: SK.034 and SK.027 (for coil)
Weight: 0.110 kg

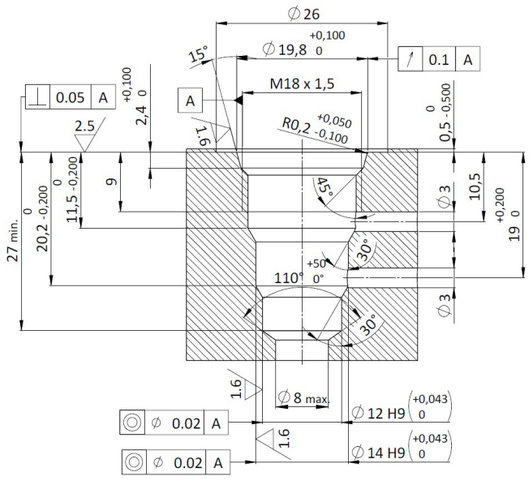
NOTE: The performance chart illustrates flow handling capacity 1 to 3 (de-energized) and 1 to 2 (energized).
P/Q curves are recorded at TOil = 40°C and 46 cSt

Cross Section



Cavity Details

VH062



See page 369

Ordering Code

S	V	P	0	.	M	1	8	.	0	0	.	1	0	0

Valve basic code

Cavity
M18 = METRIC M18 x 1,5
with Ø14 and Ø12 nose sizes

Marking
0 = Standard factory marking
Customized markings can be done upon request

Flow path
1 and 3 connected, 2 blocked (de-energized)
1 and 2 connected, 3 blocked (energized)

Coil

Use **18W** coil to operate this valve.
For more details see page 332.

SVP0.M18 Valve Series

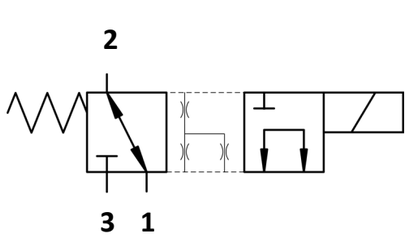
METRIC Cartridge - 210 bar
Directional Valve - 3/2 Spool type

Description
A Solenoid operated, 3 way 2 positions, spool type, direct acting, screw-in hydraulic directional cartridge valve.
In the de-energized mode, the SVP0.M18 allows flow bidirectionally between ports 1 and 2, while blocking flow at 3.
In the energized mode, bidirectional flow is allowed between ports 1 and 3, while flow is blocked at 2.
Even if port 1 may be fully pressurized, it is not intended to be used as the inlet.
The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability.
Low pressure drop thanks to optimized flow path.

Technical Features
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel.
Spool and cage are hardened and super-finished to ensure minimal wear and extended service life.
Coil seals protect the solenoid system.
Metric cavity.

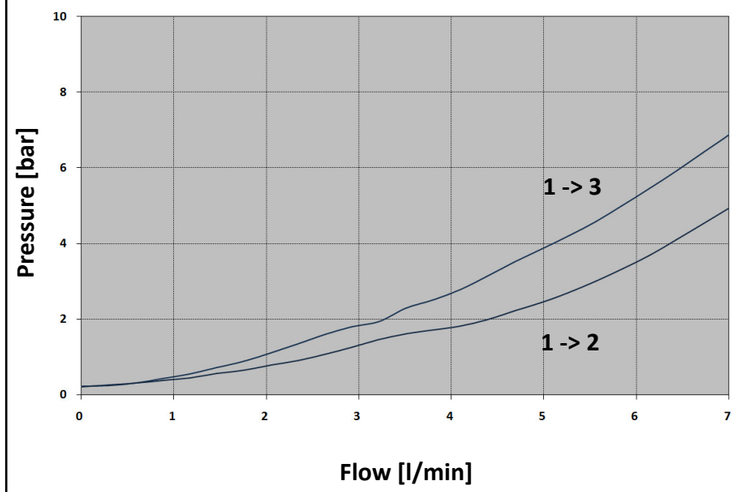
Note: Standard sealing NBR (BUNA-N)

Symbols



Performance Details

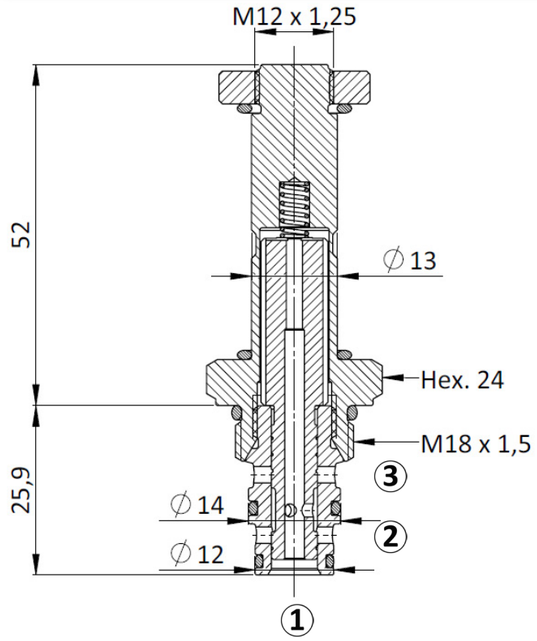
Note: For information about operating limits, please contact the factory.



Technical Data
Maximum operating pressure: 210 bar
Maximum flow: 7 l/min
Internal leakage: max 20 cm^3/min @ 210 bar
Temperature: -30°C to 110°C
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt
Minimum pull-in voltage: 85% of nominal
Orientation: no restrictions
Installation torque: 10-15 Nm
Seal kit code: SK.034 and SK.027 (for coil)
Weight: 0.110 kg

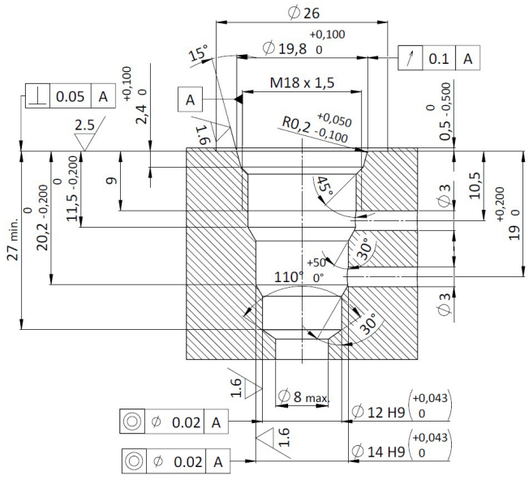
NOTE: The performance chart illustrates flow handling capacity 1 to 2 (de-energized) and 1 to 3 (energized).
P/Q curves are recorded at TOil = 40°C and 46 cSt

Cross Section



Cavity Details

VH062



See page 369

Ordering Code

S	V	P	0	.	M	1	8	.	0	0	.	4	0	0

Valve basic code

Cavity
M18 = METRIC M18 x 1,5
with Ø14 and Ø12 nose sizes

Marking
0 = Standard factory marking
Customized markings can be done upon request

Flow path
1 and 2 connected, 3 blocked (de-energized)
1 and 3 connected, 2 blocked (energized)

Coil

Use **22W** coil to operate this valve.
For more details see page 336.

SVP0.S08 Valve Series

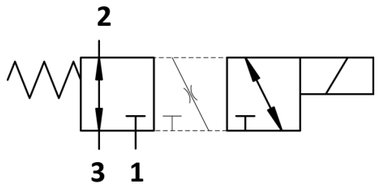
SAE Cartridge - 250 bar
Directional Valve - 3/2 Spool type

Description
A Solenoid operated, 3 way 2 positions, spool type, direct acting, screw-in hydraulic directional cartridge valve.
In the de-energized mode, the SVP0.S08 allows flow bidirectionally between ports 2 and 3, while blocking flow at 1.
In the energized mode, bidirectional flow is allowed between ports 1 and 2, while flow is blocked at 3.
Even if port 1 may be fully pressurized, it is not intended to be used as the inlet.
The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability.
Low pressure drop thanks to optimized flow path.

Technical Features
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel.
Spool is hardened and micron finished to ensure minimal wear and extended service life.
Coil seals protect the solenoid system.
Manual override option.
Industry SAE common cavity.

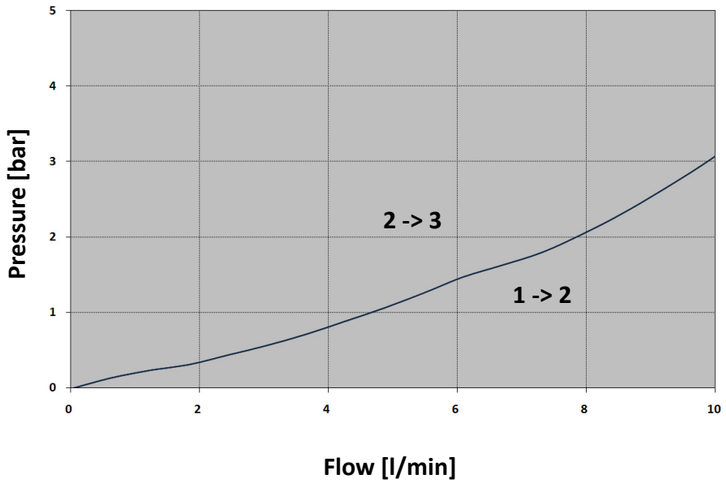
Note: Standard sealing NBR (BUNA-N)

Symbols



Performance Details

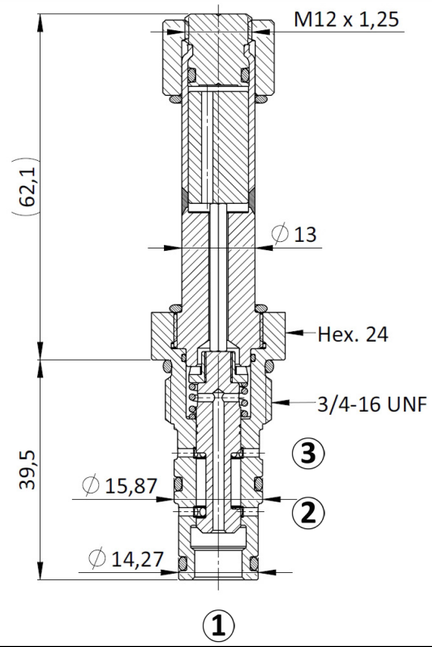
Note: For information about operating limits, please contact the factory.



Technical Data
Maximum operating pressure: 250 bar
Maximum flow: 10 l/min
Internal leakage: max 85 cm^3/min @ 250 bar
Temperature: -30°C to 110°C
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt
Minimum pull-in voltage: 85% of nominal
Orientation: no restrictions
Installation torque: 35-40 Nm
Seal kit code: SK.035 and SK.027 (coil)
Weight: 0.140 kg

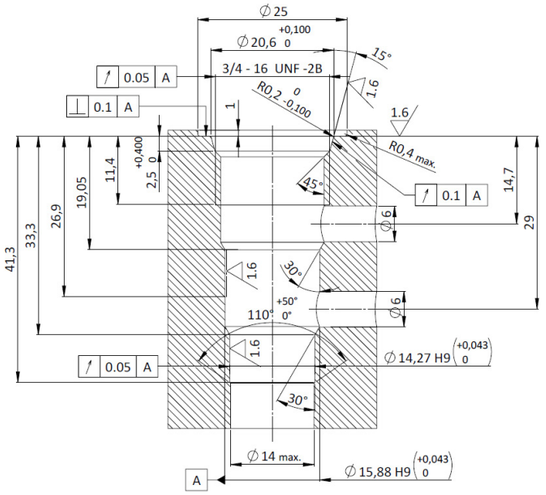
NOTE: The performance chart illustrates flow handling capacity 2 to 3 (de-energized) and 1 to 2 (energized).
P/Q curves are recorded at TOil = 40°C and 46 cSt

Cross Section



Cavity Details

SAE08-2



See page 349

Ordering Code

S V P 0 . S 0 8 . 0 * . 1 0 0

Valve basic code

Cavity
S08 = 3/4-16 UNF with Ø15,87 and Ø14,27 nose sizes

Flow path
2 and 3 connected, 1 blocked (de-energized)
1 and 2 connected, 3 blocked (energized)

Manual override (See table below for available options and page 346 for more details)

Marking
0 = Standard factory marking
Customized markings can be done upon request

Manual Override

Model Code	Type of override
0	No override
3	Push pin
4	Push knob
8	Screw

Coil

Use **22W** coil to operate this valve.
For more details see page 336.

SVP0.S08 Valve Series

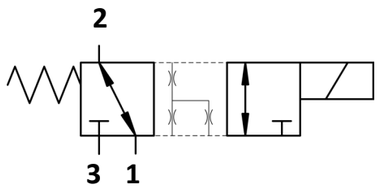
SAE Cartridge - 250 bar
Directional Valve - 3/2 Spool type

Description
A Solenoid operated, 3 way 2 positions, spool type, direct acting, screw-in hydraulic directional cartridge valve.
In the de-energized mode, the SVP0.S08 allows flow bidirectionally between ports 1 and 2, while blocking flow at 3.
In the energized mode, bidirectional flow is allowed between ports 2 and 3, while flow is blocked at 1.
Even if port 1 may be fully pressurized, it is not intended to be used as the inlet.
The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability.
Low pressure drop thanks to optimized flow path.

Technical Features
All external surfaces are zinc plated and corrosion-proof.
All valve parts are made of high strength steel.
Spool is hardened and micron finished to ensure minimal wear and extended service life.
Coil seals protect the solenoid system.
Manual override option.
Industry SAE common cavity.

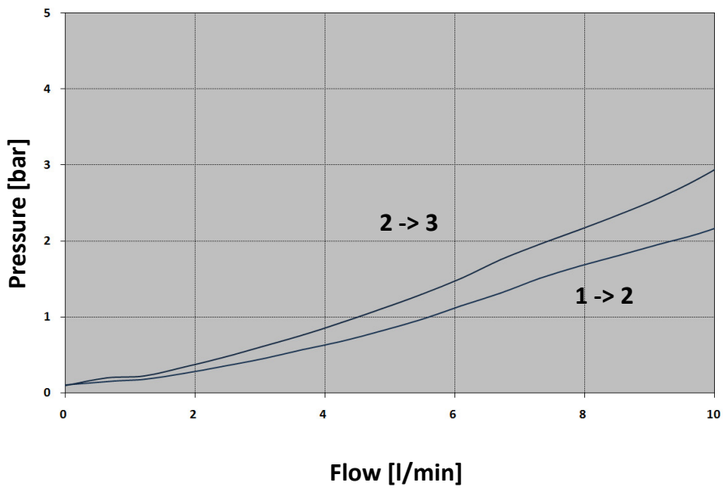
Note: Standard sealing NBR (BUNA-N)

Symbols



Performance Details

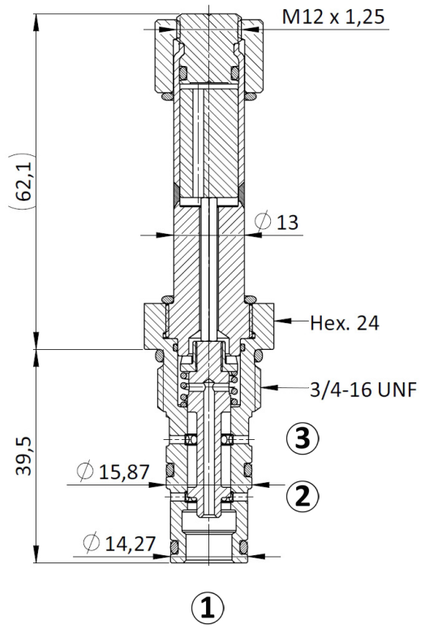
Note: For information about operating limits, please contact the factory.



Technical Data
Maximum operating pressure: 250 bar
Maximum flow: 10 l/min
Internal leakage: max 85 cm^3/min @ 250 bar
Temperature: -30°C to 110°C
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt
Minimum pull-in voltage: 85% of nominal
Orientation: no restrictions
Installation torque: 35-40 Nm
Seal kit code: SK.035 and SK.027 (coil)
Weight: 0.140 kg

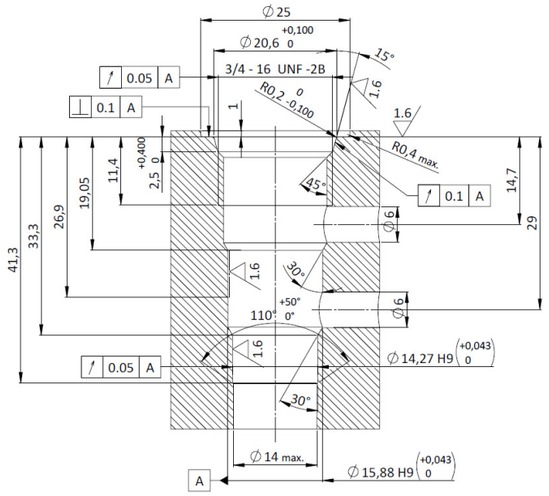
NOTE: The performance chart illustrates flow handling capacity 1 to 2 (de-energized) and 2 to 3 (energized).
P/Q curves are recorded at TOil = 40°C and 46 cSt

Cross Section



Cavity Details

SAE08-2



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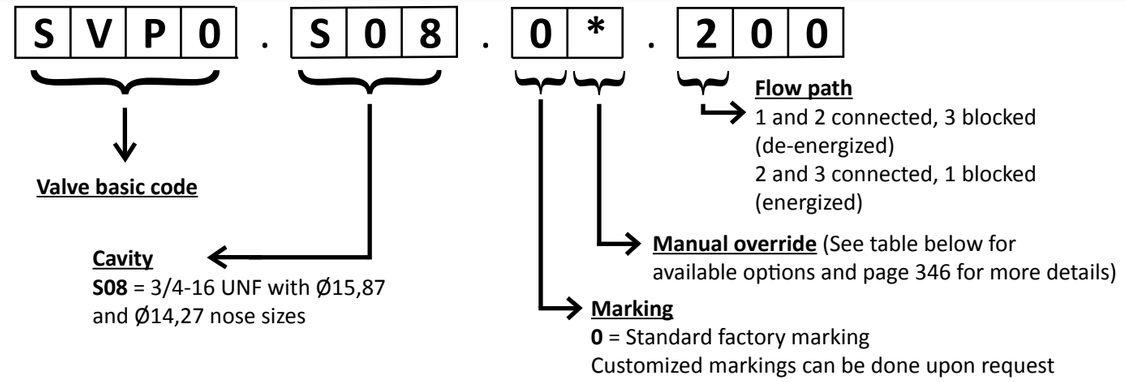
Ordering Code



Manual Override

Model Code	Type of override
0	No override
3	Push pin
4	Push knob
8	Screw

Coil

Use **22W** coil to operate this valve.
For more details see page 336.

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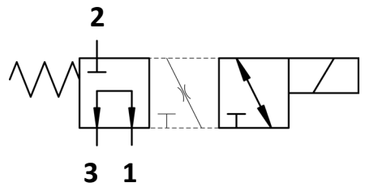
Manual override option.
Industry SAE common cavity.

Note: Standard sealing NBR (BUNA-N)

Symbols



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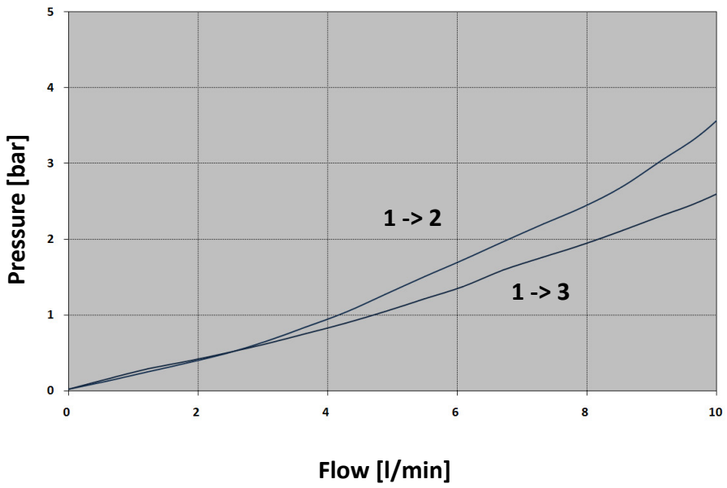

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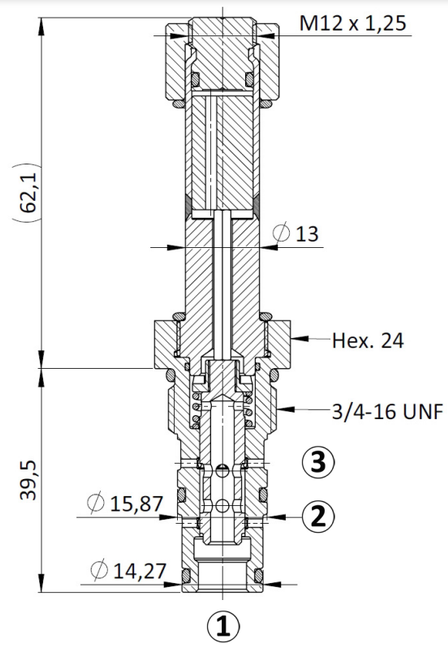
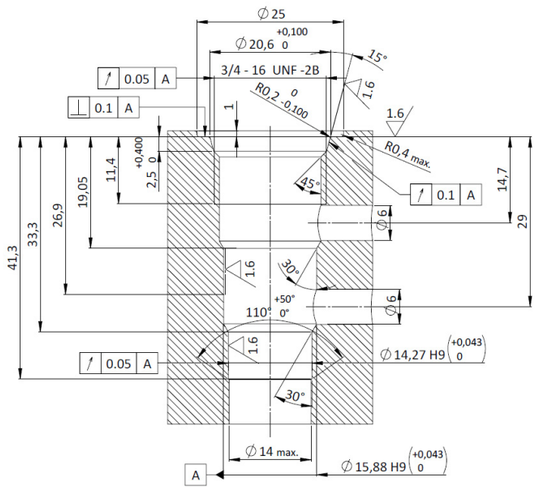


Cavity Details

SAE08-2



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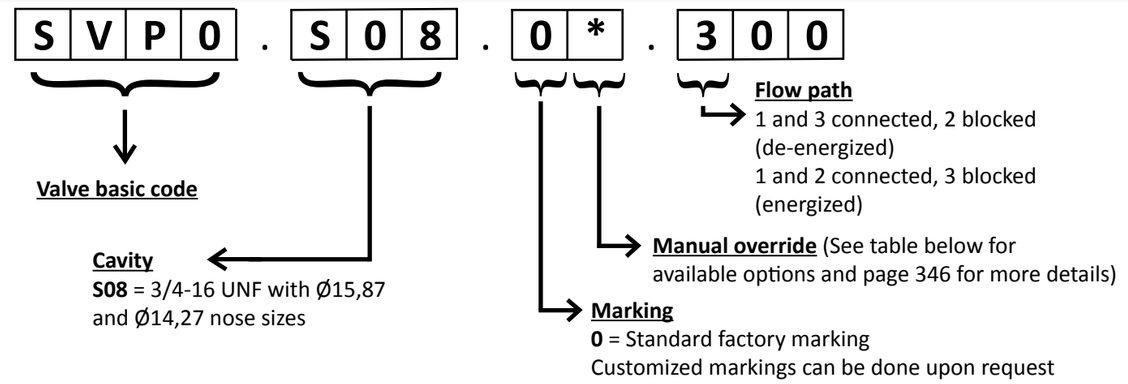
Ordering Code



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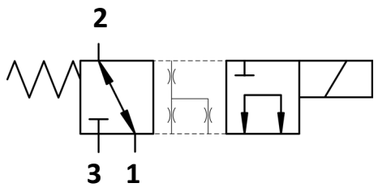

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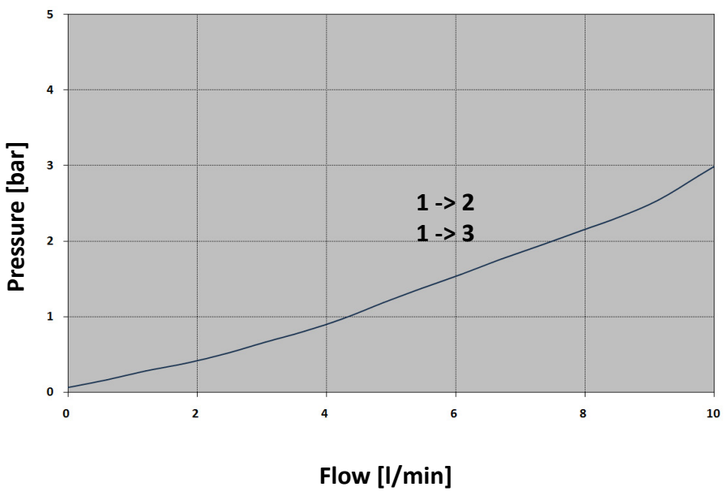

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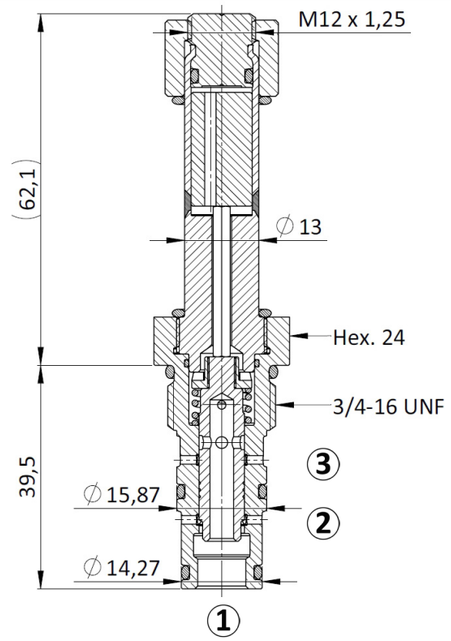
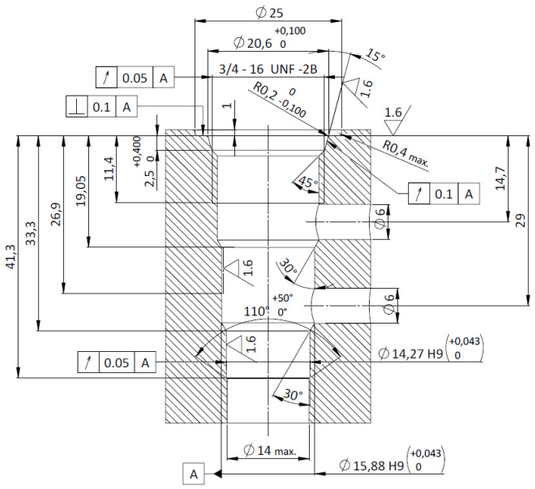


Cavity Details

SAE08-2



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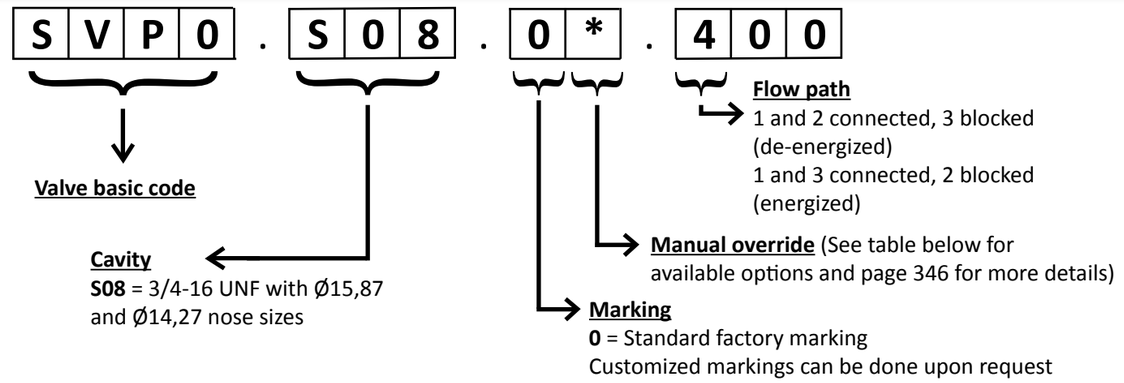

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