

# Caproni

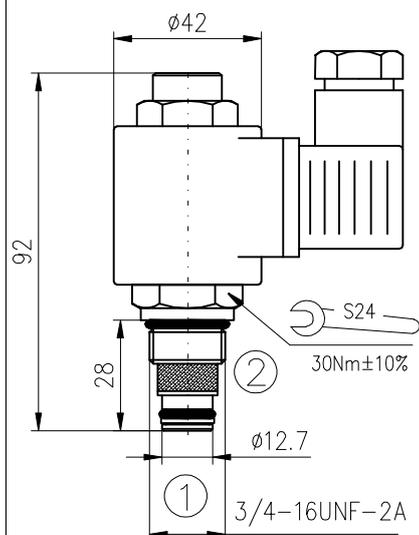


**SOLENOID CARTRIDGE VALVES**

CONTENTS:

Page

EV06-2A.....	1/40
EV06-2B.....	2/40
EV06-2E.....	3/40
EV06-2F.....	4/40
EV06-2K.....	5/40
EV06-2L.....	6/40
EV06-2WF.....	7/40
EV08-2A.....	8/40
EV08-2B.....	9/40
EV08-2C.....	10/40
EV08-2D.....	11/40
EV08-2E.....	12/40
EV08-2F.....	13/40
EV08-2K.....	14/40
EV08-2L.....	15/40
EV08-3A.....	16/40
EV08-3C.....	17/40
EV08-3D.....	18/40
EV08-4A.....	19/40
EV10-2A.....	20/40
EV10-2B.....	21/40
EV10-2E.....	22/40
EV10-2F.....	23/40
EV10-2KF.....	24/40
EV10-2KH.....	25/40
EV10-2LF.....	26/40
EV10-2LH.....	27/40
EV10-3A.....	28/40
EV10-3B.....	29/40
EV10-3D.....	30/40
EV10-3MF.....	31/40
EV10-4A.....	32/40
EV56-2B.....	33/40
EV56-2E.....	34/40
EV56-2K.....	35/40
EV56-2L.....	36/40
EV58-3A.....	37/40
EV58-3C.....	38/40
EV58-3D.....	39/40
EV58-4A.....	40/40



## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally open, screw-in, hydraulic cartridge valve designed for low leakage in load-holding applications.

## OPERATION

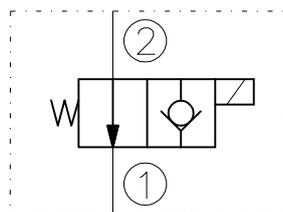
When de-energized, the EV06-2A allows flow from 2 to 1. Flow from 1 to 2 is severely restricted in this mode.

When energized, the valve's poppet closes on its seat, blocking flow from 2 to 1. In this mode the cartridge will allow 1 to 2 flow after overcoming the solenoid force.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

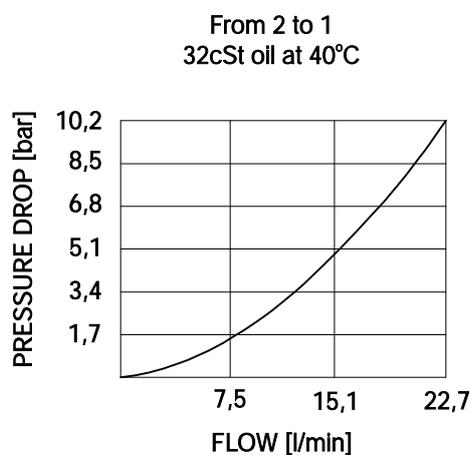
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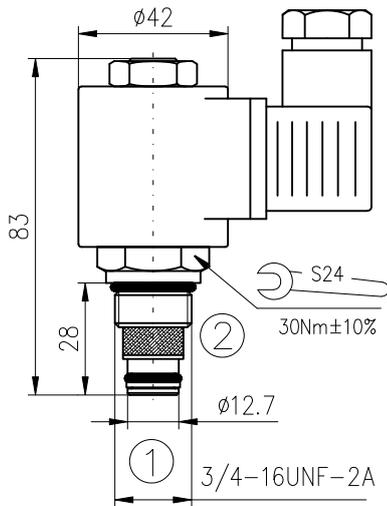
EV06-2A

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally closed, screw-in hydraulic cartridge valve, intended to act as a blocking or load-holding device for low flow circuits.

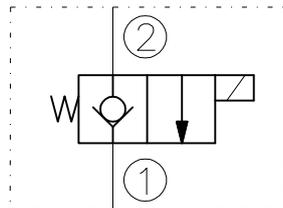
## OPERATION

When de-energized, the EV06-2B acts as a check valve, allowing flow from 1 to 2, while blocking flow from 2 to 1. When energized, the cartridge poppet lift to open the 2 to 1 flow path. In this mode, flow from 1 to 2 is severely restricted.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

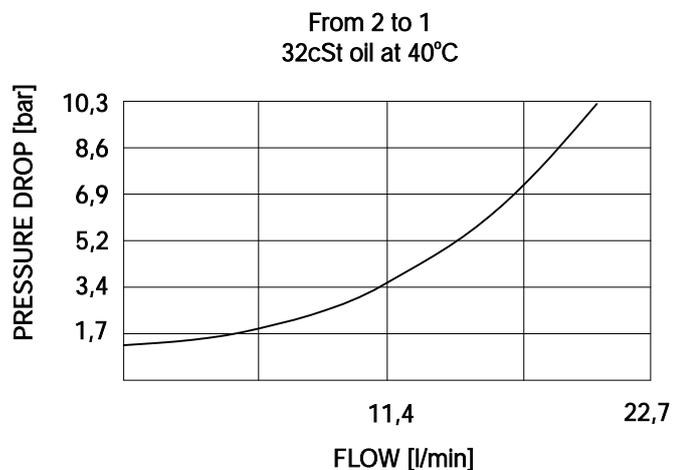
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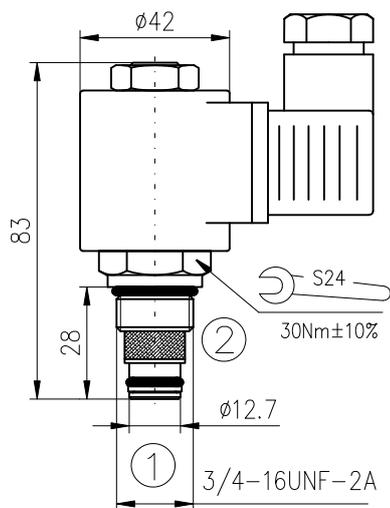
EV06-2B

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally closed, screw-in hydraulic cartridge valve designed for low leakage blocking and load-holding applications.

## OPERATION

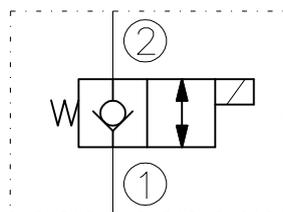
When de-energized, the EV06-2E acts as a check valve, allowing flow from 1 to 2, while blocking flow from 2 to 1.

When energized, the cartridge poppet lift to open the 2 to 1 flow path. In this mode, bidirectional flow is allowed.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

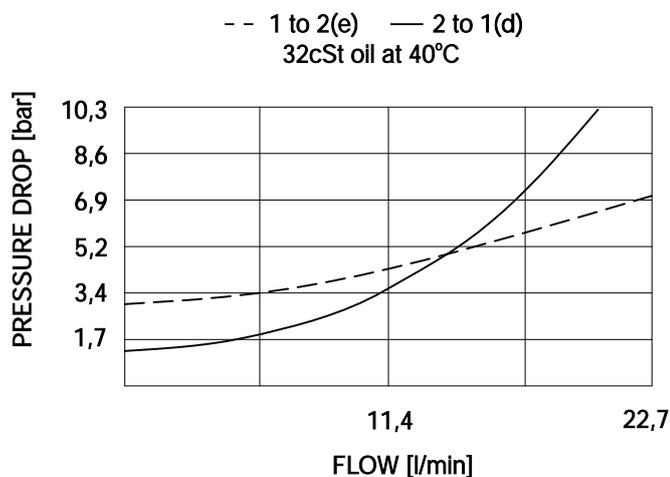
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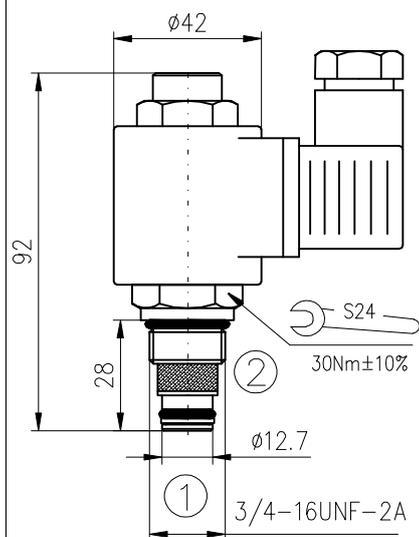
EV06-2E

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally open, screw-in, hydraulic cartridge valve designed to function as a load-holding or blocking valve in applications requiring low internal leakage at high pressure.

## OPERATION

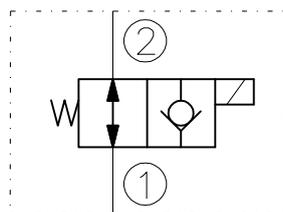
When de-energized, the EV06-2F poppet lifts to open flow from 2 to 1. Flow is also open from 1 to 2.

When energized, the cartridge acts as a check valve, allowing flow from 1 to 2, while blocking flow from 2 to 1.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

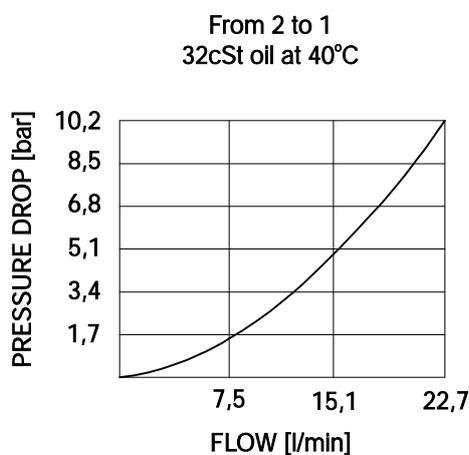
## TO ORDER

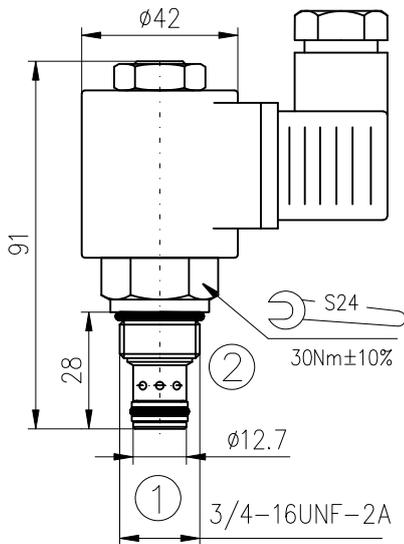
EV06-2F

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





**DESCRIPTION**

A solenoid-operated , 2-way , direct-acting , spool-type , normally open , screw-in , hydraulic cartridge valve designed to function as bidirectional blocking valve in low flow circuits.

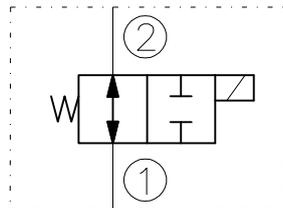
**OPERATION**

When de-energized , the EV06-2K allows flow in both directions. When energized , the valve's spool shifts to close bidirectionally.

**RATINGS**

- Operating Pressure: 250bar
- Flow: 8 l/min max.
- Internal Leakage: 82 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

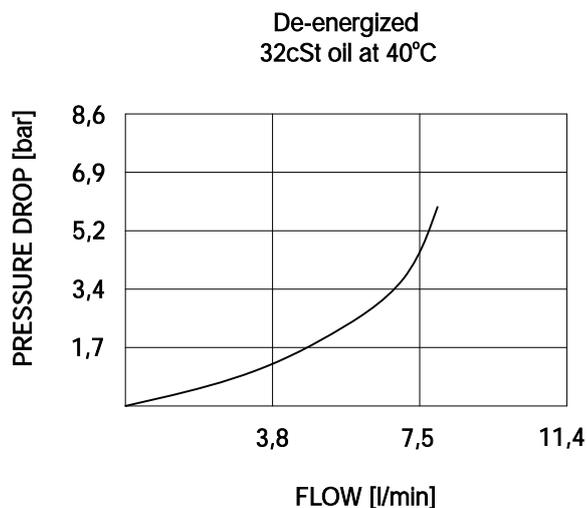
See "CAVITIES AND BODIES" brochure

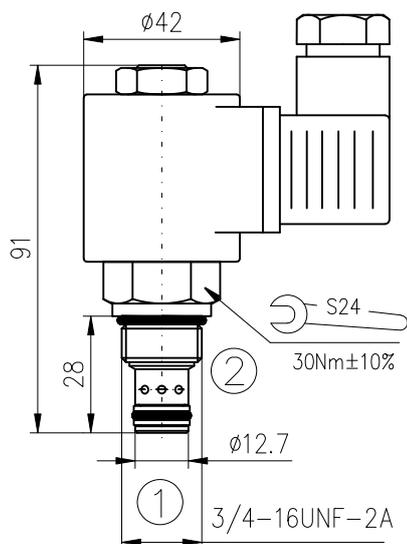
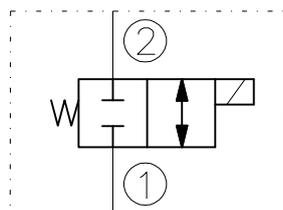
**TO ORDER**

EV06-2K	
Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**




**SYMBOL**

**CAVITY**

See "CAVITIES AND BODIES" brochure

**TO ORDER**

EV06-2L

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

**DESCRIPTION**

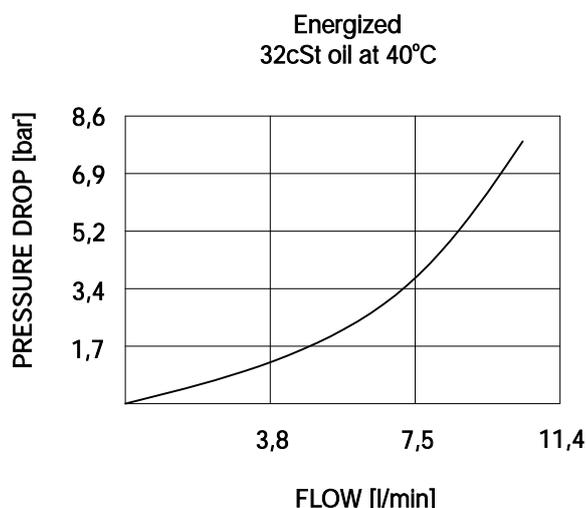
A solenoid-operated, 2-way, direct-acting, spool-type, normally closed, screw-in, hydraulic cartridge valve designed to operate as a bidirectional blocking valve in low flow circuits.

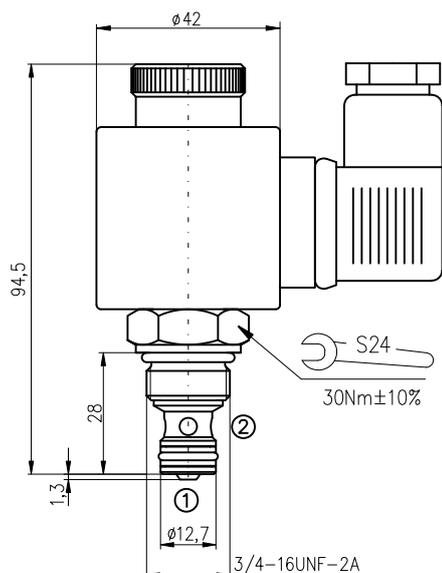
**OPERATION**

When de-energized, the EV06-2L blocks flow in both directions. When energized, the valve's spool shifts to open the bidirectional flow path.

**RATINGS**

Operating Pressure: 250bar  
 Flow: 10 l/min max.  
 Internal Leakage: 82 cc/minute max. at 250bar  
 Temperature: -20°C to 90°C with standard Buna N seals  
 Coil Duty Rating: Continuous from 85% to 115% of nominal voltage  
 Minimum Pull-in Voltage: 85% of nominal at 250bar  
 Filtration: Recommended 25mm nominal or better  
 Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt  
 Installation: No restrictions  
 Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

**PERFORMANCE (Cartridge Only)**




**DESCRIPTION**

A solenoid-operated, 2-way, direct-acting, seat-type, normally opened, screw-in, hydraulic cartridge valve designed to function as bidirectional blocking valve for low leakage in load-holding applications.

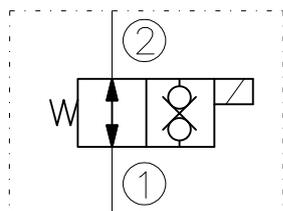
**OPERATION**

When de-energized, the valve's spool shifts to open the bidirectional flow path. When energized, the EV06-2WF stops flow in both directions.

**RATINGS**

- Operating Pressure: 210bar
- Flow: See Performance Chart.
- Internal Leakage: 5 drops/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

**TO ORDER**

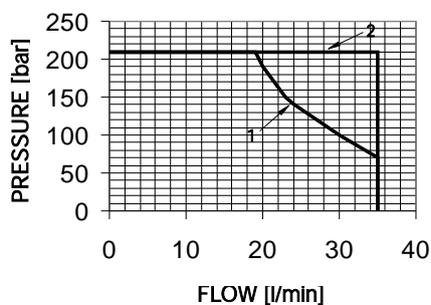
EV10-2WF

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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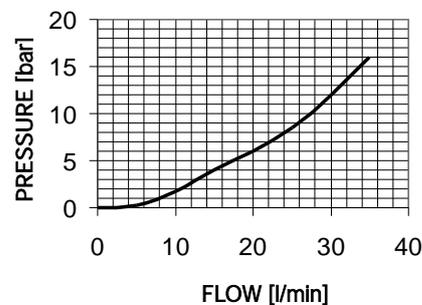
Terminations DIN 43650.  
See "Accessories" brochure

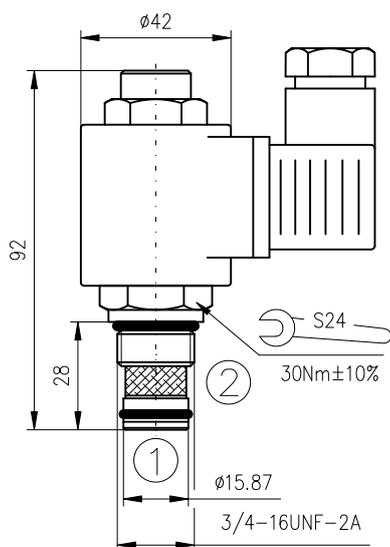
**PERFORMANCE (Cartridge Only)**

curve 2 - 1 to 2  
curve 1 - 2 to 1  
32cSt oil at 40°C



De-energized  
32cSt oil at 40°C





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally open, screw-in, hydraulic cartridge valve designed for low leakage in load-holding applications.

## OPERATION

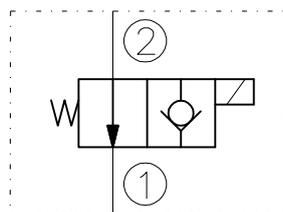
When de-energized, the EV08-2A allows flow from 2 to 1. Flow from 1 to 2 is severely restricted in this mode.

When energized, the valve's poppet closes on its seat, blocking flow from 2 to 1. In this mode the cartridge will allow 1 to 2 flow after overcoming the solenoid force.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

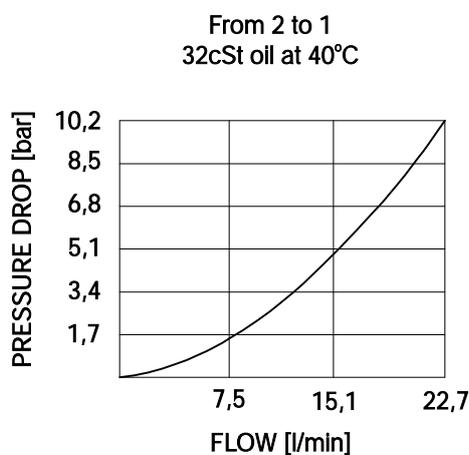
## TO ORDER

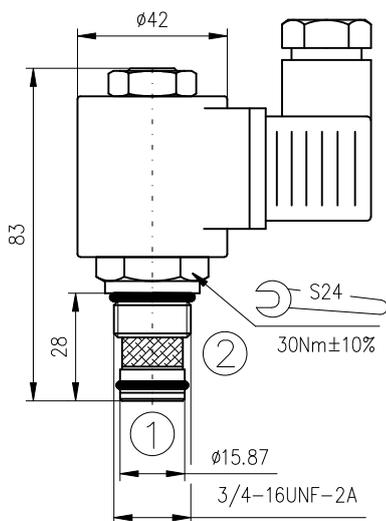
EV08-2A

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





**DESCRIPTION**

A solenoid-operated , 2-way , piloted , poppet-type , normally closed , screw-in hydraulic cartridge valve , intended to act as a blocking or load-holding device for low flow circuits.

**OPERATION**

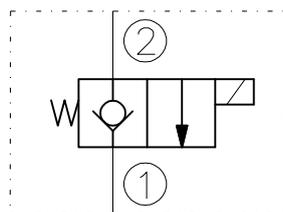
When de-energized , the EV08-2B acts as a check valve , allowing flow from 1 to 2 , while blocking flow from 2 to 1 .

When energized , the cartridge poppet lift to open the 2 to 1 flow path. In this mode , flow from 1 to 2 is severely restricted.

**RATINGS**

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

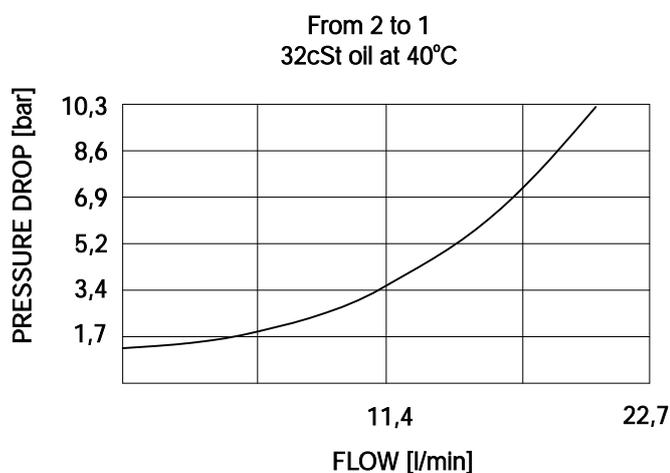
**TO ORDER**

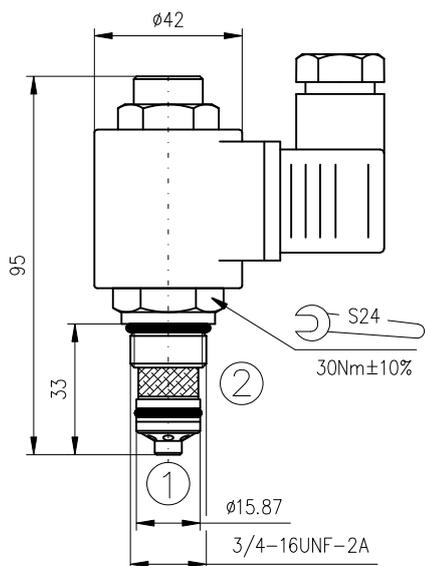
EV08-2B

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally open, screw-in, hydraulic cartridge valve designed for low leakage in load-holding applications.

## OPERATION

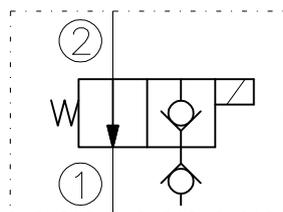
When de-energized, the EV08-2C allows flow from 2 to 1. Flow from 1 to 2 is always blocking.

When energized, the valve's poppet closes on its seat, blocking flow from 2 to 1. In this mode the cartridge will also blocking from 1 to 2.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

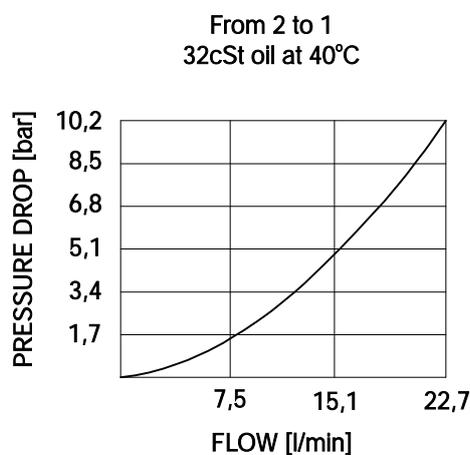
## TO ORDER

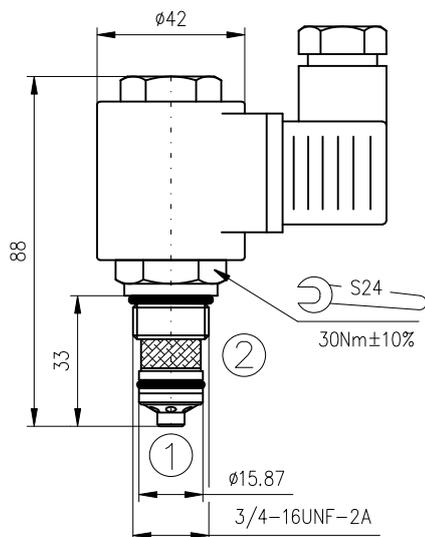
EV08-2C

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally closed, screw-in hydraulic cartridge valve, intended to act as a blocking or load-holding device for low flow circuits.

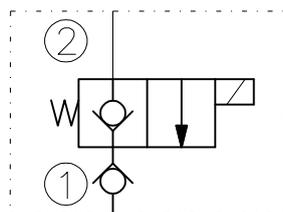
## OPERATION

When de-energized, the EV08-2D blocks flow in both directions. When energized, the cartridge poppet lift to open the 2 to 1 flow path. In this mode, flow from 1 to 2 is blocked.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

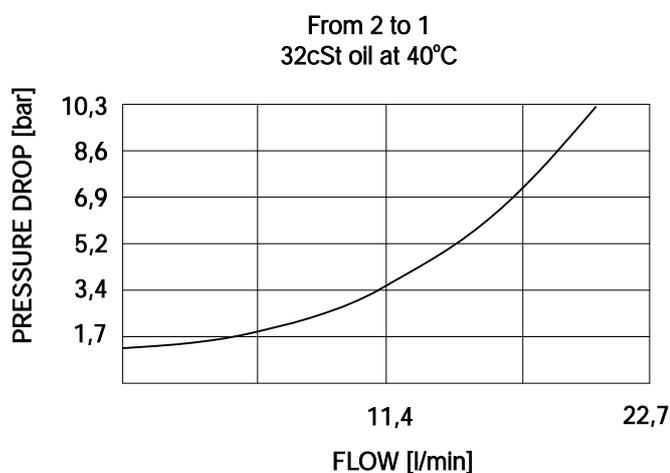
## TO ORDER

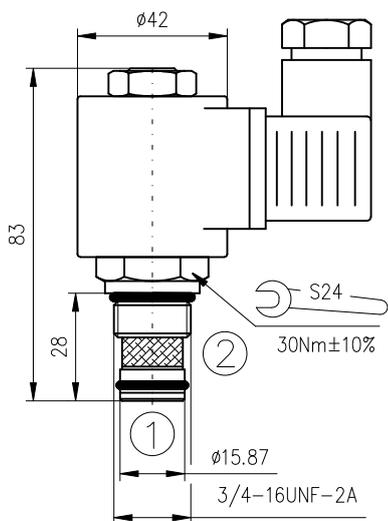
EV08-2D

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally closed, screw-in hydraulic cartridge valve designed for low leakage blocking and load-holding applications.

## OPERATION

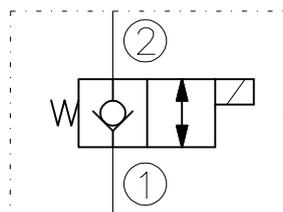
When de-energized, the EV08-2E acts as a check valve, allowing flow from 1 to 2, while blocking flow from 2 to 1.

When energized, the cartridge poppet lift to open the 2 to 1 flow path. In this mode, bidirectional flow is allowed.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

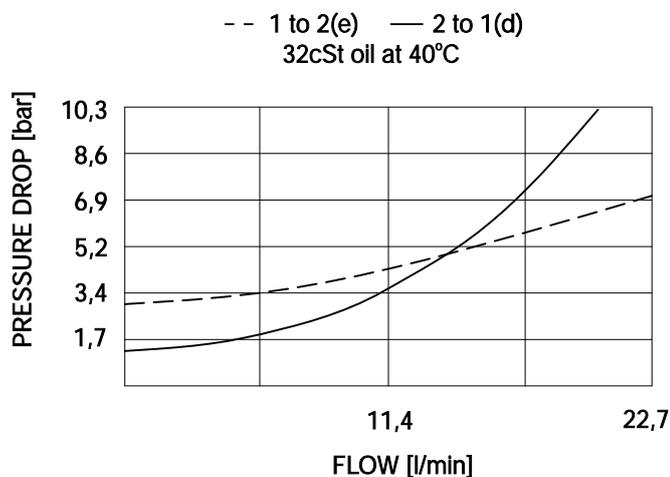
## TO ORDER

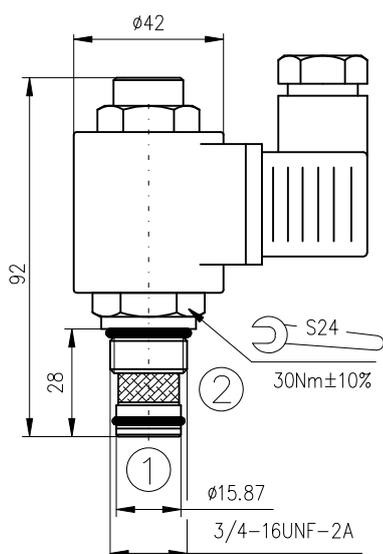
EV08-2E

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally open, screw-in, hydraulic cartridge valve designed to function as a load-holding or blocking valve in applications requiring low internal leakage at high pressure.

## OPERATION

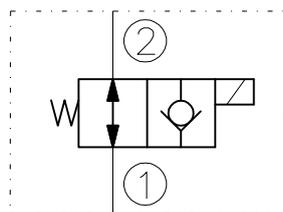
When de-energized, the EV08-2F poppet lifts to open flow from 2 to 1. Flow is also open from 1 to 2.

When energized, the cartridge acts as a check valve, allowing flow from 1 to 2, while blocking flow from 2 to 1.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

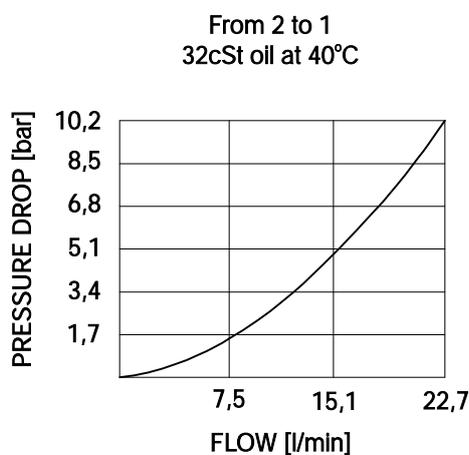
## TO ORDER

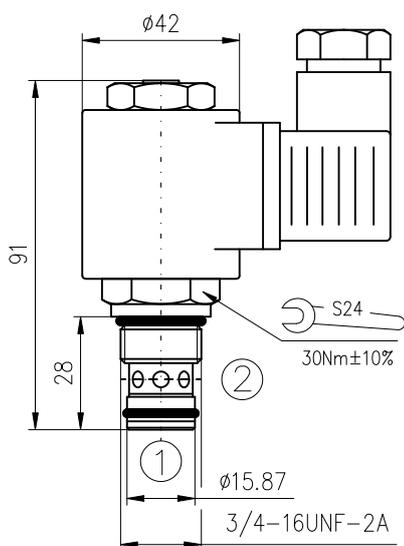
EV08-2F

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, direct-acting, spool-type, normally open, screw-in, hydraulic cartridge valve designed to function as bidirectional blocking valve in low flow circuits.

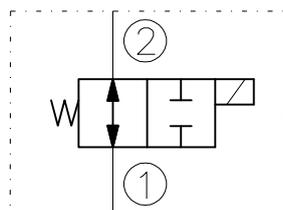
## OPERATION

When de-energized, the EV08-2K allows flow in both directions. When energized, the valve's spool shifts to close bidirectionally.

## RATINGS

- Operating Pressure: 250bar
- Flow: 8 l/min max.
- Internal Leakage: 82 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

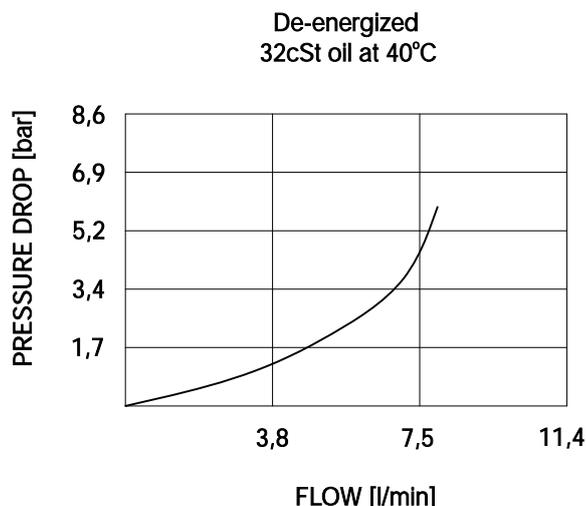
## TO ORDER

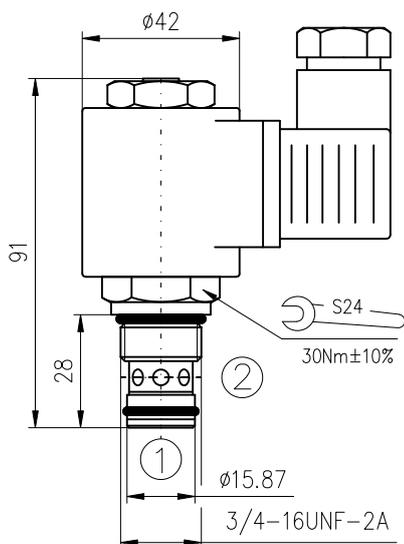
EV08-2K

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, direct-acting, spool-type, normally closed, screw-in, hydraulic cartridge valve designed to operate as a bidirectional blocking valve in low flow circuits.

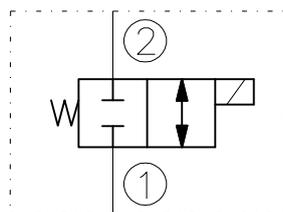
## OPERATION

When de-energized, the EV08-2L blocks flow in both directions. When energized, the valve's spool shifts to open the bidirectional flow path.

## RATINGS

- Operating Pressure: 250bar
- Flow: 10 l/min max.
- Internal Leakage: 82 cc/minute max. at 250bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 250bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

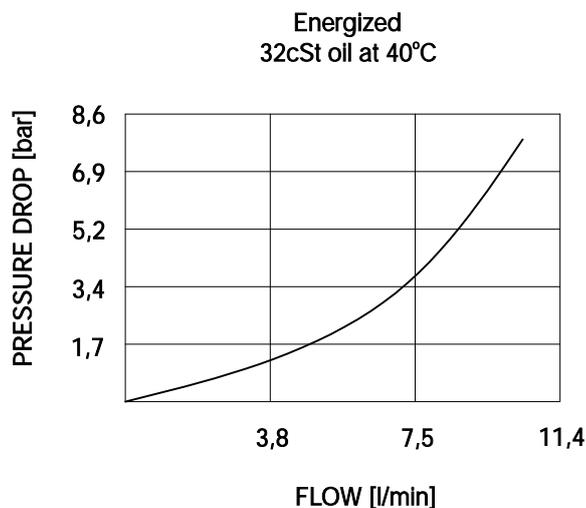
## TO ORDER

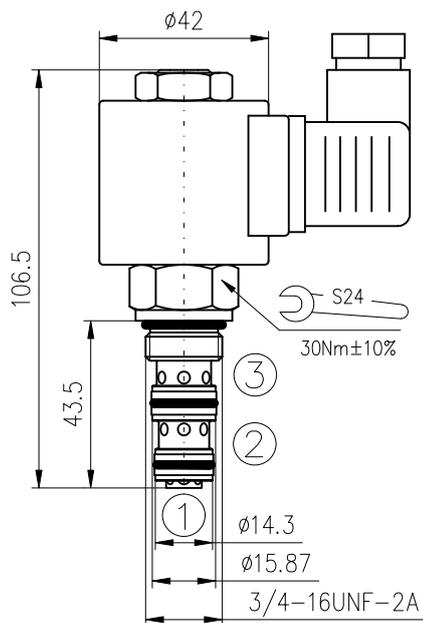
EV08-2L

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





**DESCRIPTION**

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in, hydraulic cartridge valve.

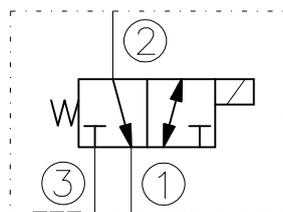
**OPERATION**

When de-energized, the EV08-3A allows flow from 2 to 1, while blocking flow at 3.  
 When energized, the valve's spool shifts to open from 2 to 3, while blocking at 1.

**RATINGS**

- Operating Pressure: 210bar
- Flow: 8 l/min max.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-3A ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

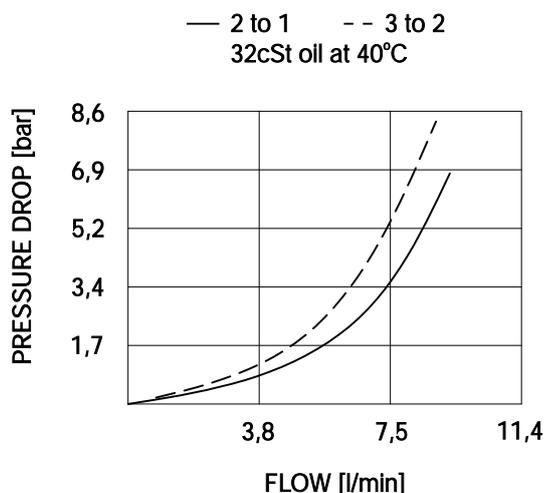
**TO ORDER**

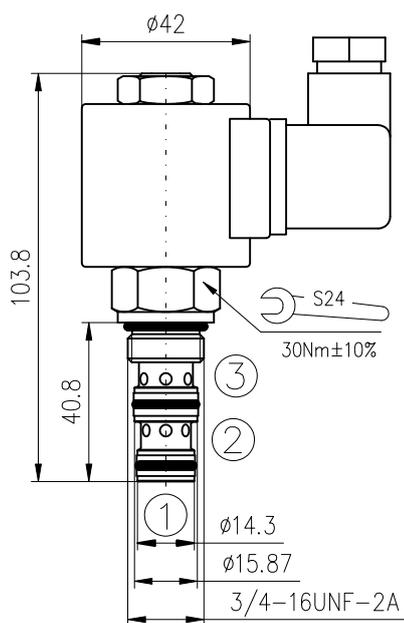
EV08-3A

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
 See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





## DESCRIPTION

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in, hydraulic cartridge valve.

## OPERATION

When de-energized, the EV08-3C allows flow from 2 to 1, while blocking flow at 3.

When energized, the valve's spool shifts to open from 1 to 3, while blocking at 2.

## RATINGS

Operating Pressure: 210bar

Flow: 8 l/min max.

Internal Leakage: 82 cc/minute max. at 210bar

Temperature: -20°C to 90°C with standard Buna N seals

Coil Duty Rating: Continuous from 85% to 115% of nominal voltage

Minimum Pull-in Voltage: 85% of nominal at 210bar

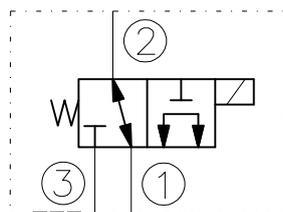
Filtration: Recommended 25mm nominal or better

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

Cavity: CC08-3 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

## TO ORDER

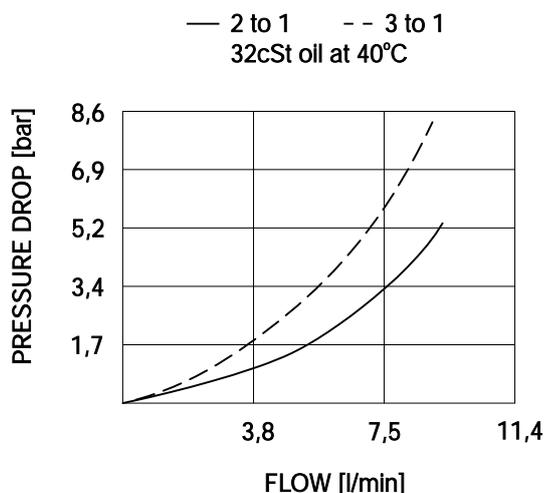
EV08-3C

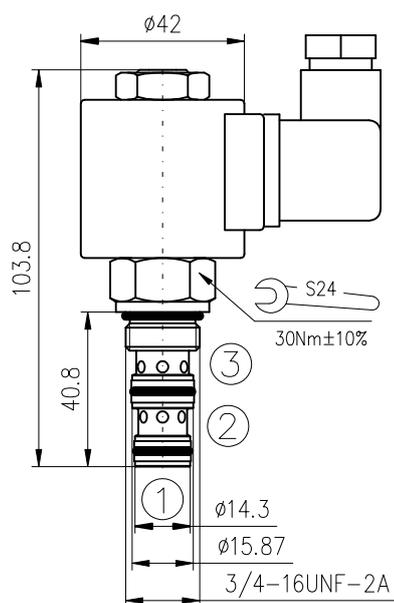
Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.

See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





**DESCRIPTION**

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in, hydraulic cartridge valve.

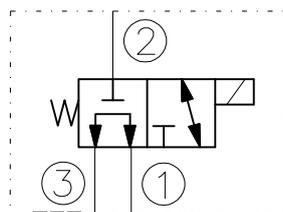
**OPERATION**

When de-energized, the EV08-3D allows flow from 3 to 1, while blocking flow at 2.  
 When energized, the valve's spool shifts to open from 2 to 3, while blocking at 1.

**RATINGS**

Operating Pressure: 210bar  
 Flow: 8 l/min max.  
 Internal Leakage: 82 cc/minute max. at 210bar  
 Temperature: -20°C to 90°C with standard Buna N seals  
 Coil Duty Rating: Continuous from 85% to 115% of nominal voltage  
 Minimum Pull-in Voltage: 85% of nominal at 210bar  
 Filtration: Recommended 25mm nominal or better  
 Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt  
 Installation: No restrictions  
 Cavity: CC08-3 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

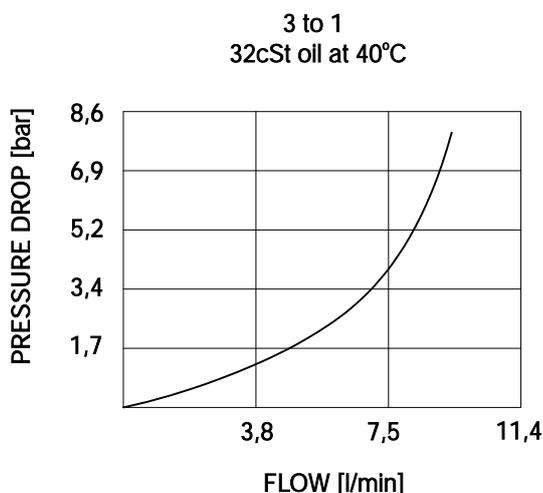
**TO ORDER**

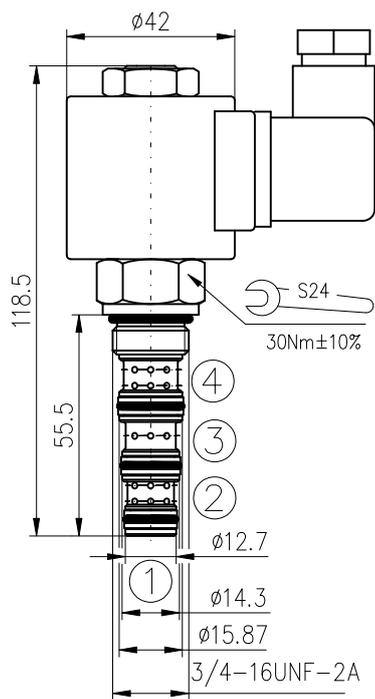
EV08-3D

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
 See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





## DESCRIPTION

A solenoid-operated, 4-way, 2-position, direct-acting, spool-type, screw-in, hydraulic cartridge valve.

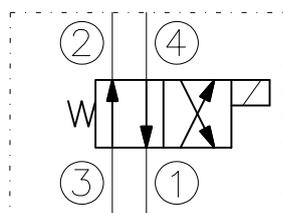
## OPERATION

When de-energized, the EV08-4A allows flow from 3 to 2, and from 4 to 1. When energized, the valve's spool shifts to open from 3 to 4, and from 2 to 1. All ports are open at cross-over.

## RATINGS

- Operating Pressure: 210bar
- Flow: 8 l/min max.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-4 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

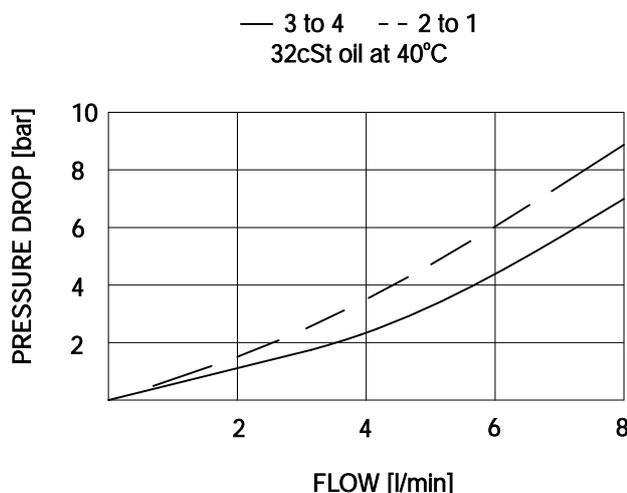
## TO ORDER

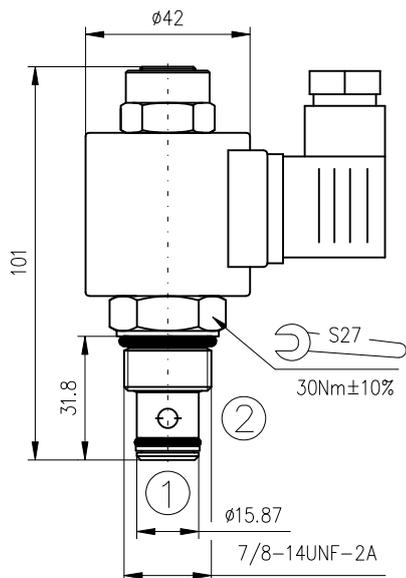
### EV08-4A

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally open, screw-in, hydraulic cartridge valve designed for low leakage in load-holding applications.

## OPERATION

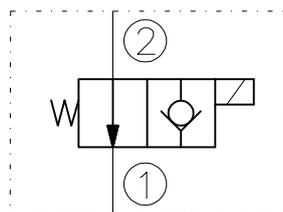
When de-energized, the EV10-2A allows flow from 2 to 1. Flow from 1 to 2 is severely restricted in this mode.

When energized, the valve's poppet closes on its seat, blocking flow from 2 to 1. In this mode the cartridge will allow 1 to 2 flow after overcoming the solenoid force.

## RATINGS

- Operating Pressure: 250bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL

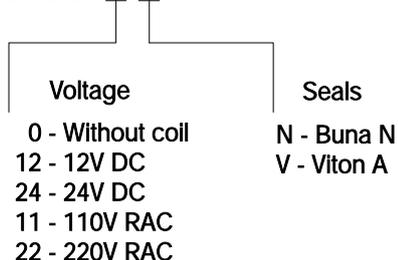


## CAVITY

See "CAVITIES AND BODIES" brochure

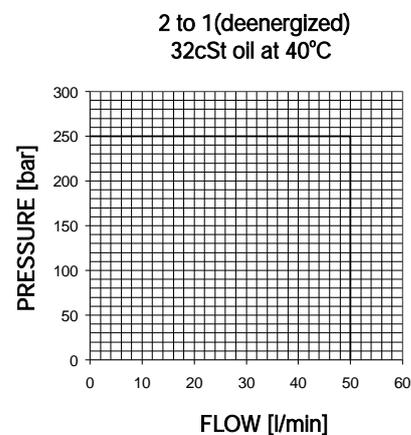
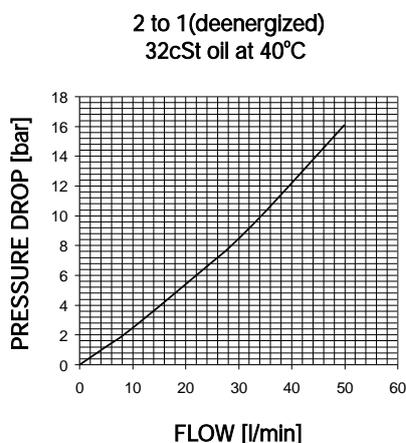
## TO ORDER

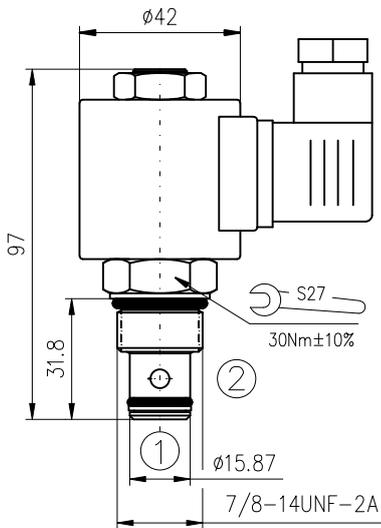
EV10-2A



Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, poppet-type, normally closed, screw-in, hydraulic cartridge valve, designed to function as a load-holding or blocking valve in applications requiring low internal leakage.

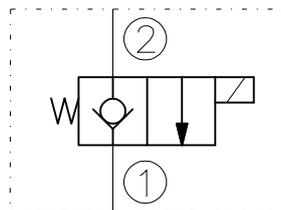
## OPERATION

When de-energized, the EV10-2B acts as a check valve, allowing flow to pass from 1 to 2, while blocking flow in the reverse direction. When energized, the poppet lifts to open the 2 to 1. In this mode, flow from 1 to 2 is severely restricted. If this path is required, see model EV10-2E.

## RATINGS

- Operating Pressure: 210bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

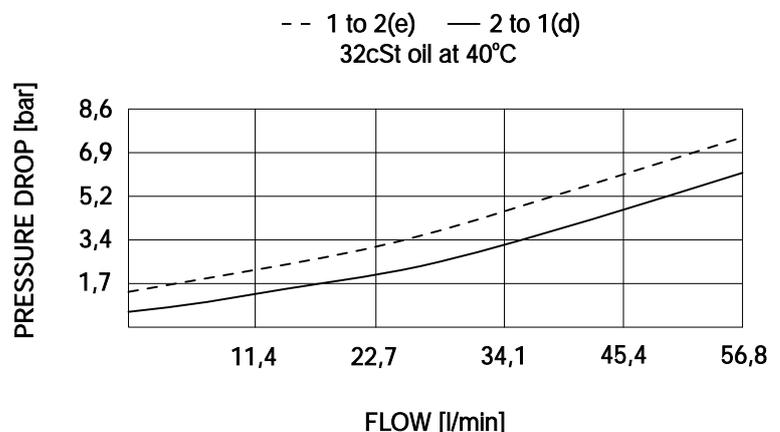
## TO ORDER

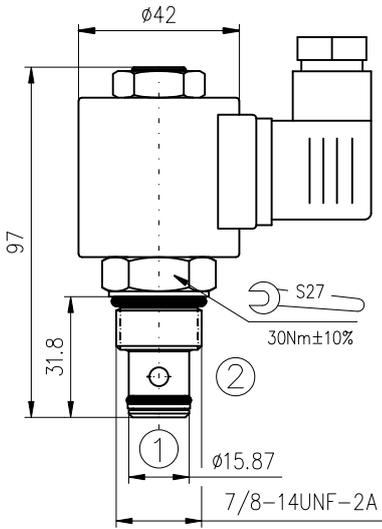
EV10-2B

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





**DESCRIPTION**

A solenoid-operated, 2-way, piloted, poppet-type, normally closed, screw-in hydraulic cartridge valve designed for low leakage blocking and load-holding applications.

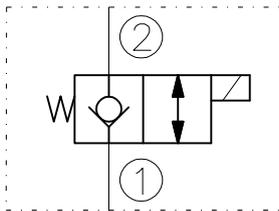
**OPERATION**

When de-energized, the EV10-2E acts as a check valve, allowing flow from 1 to 2, while blocking flow from 2 to 1. When energized, the cartridge poppet lift to open the 2 to 1 flow path. In this mode, flow is also allowed from 1 to 2.

**RATINGS**

- Operating Pressure: 210bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

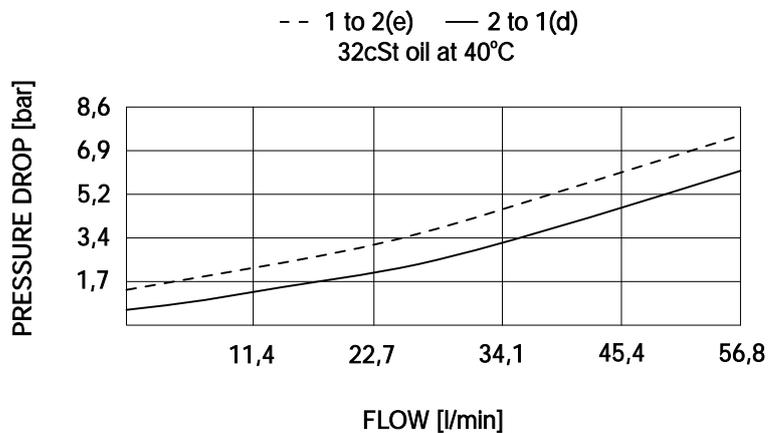
**TO ORDER**

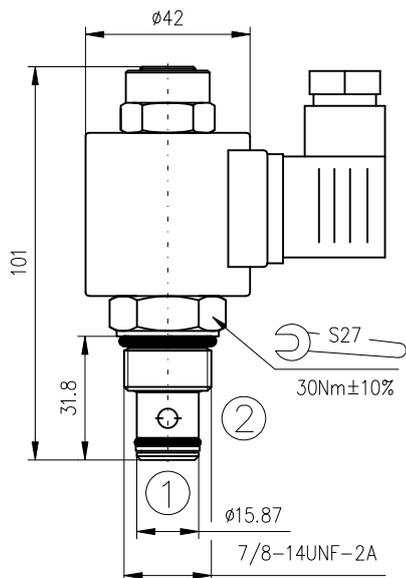
EV10-2E

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally open, screw-in, hydraulic cartridge valve designed to function as a load-holding or blocking valve in applications requiring low internal leakage at high pressure.

## OPERATION

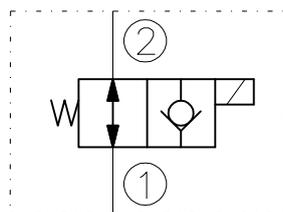
When de-energized, the EV10-2F poppet lifts to open flow from 2 to 1. Flow is also open from 1 to 2.

When energized, the cartridge acts as a check valve, allowing flow from 1 to 2, while blocking flow from 2 to 1.

## RATINGS

- Operating Pressure: 210bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

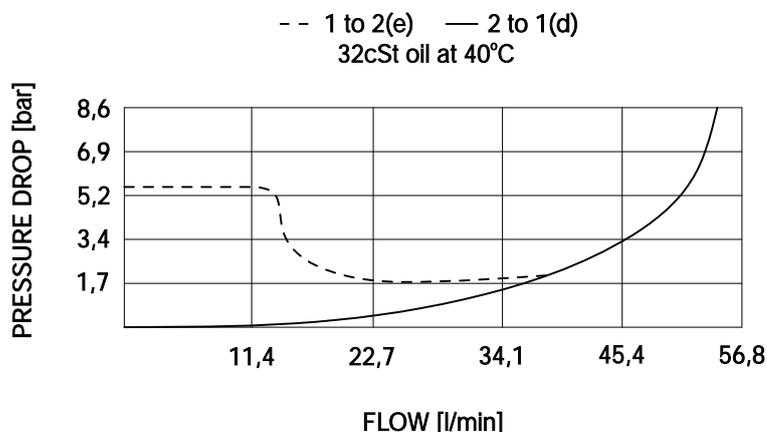
## TO ORDER

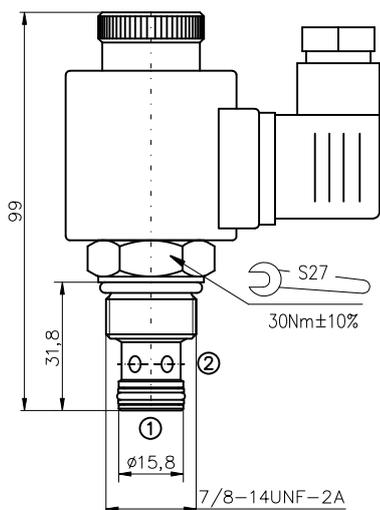
EV10-2F

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, direct-acting, spool-type, normally open, screw-in, hydraulic cartridge valve designed to function as bidirectional blocking valve.

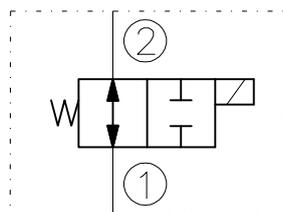
## OPERATION

When de-energized, the EV10-2KF allows flow in both directions. When energized, the valve's spool shifts to close the bidirectional flow path.

## RATINGS

- Operating Pressure: 210bar
- Flow: See Performance Chart.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

## TO ORDER

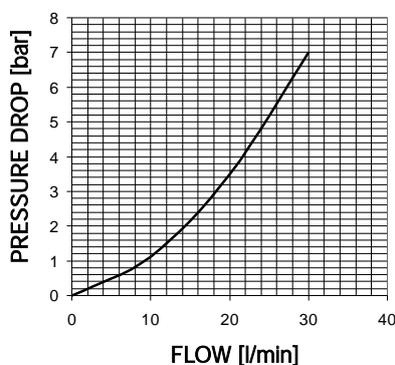
EV10-2KF

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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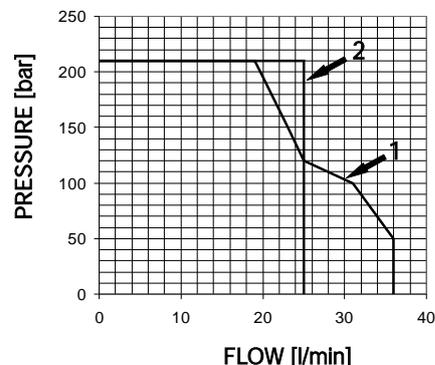
Terminations DIN 43650.  
See "Accessories" brochure

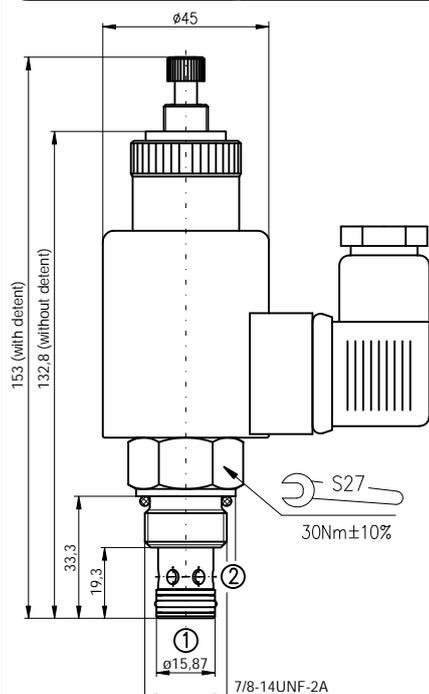
## PERFORMANCE (Cartridge Only)

De-energized  
32cSt oil at 40°C



1 to 2 - curve 2  
2 to 1 - curve 1  
32cSt oil at 40°C





## DESCRIPTION

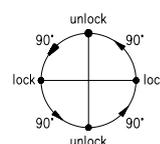
A solenoid-operated, 2-way, direct-acting, spool-type, normally open, screw-in, hydraulic cartridge valve designed to function as bidirectional blocking valve in high flow circuits.

## OPERATION

When de-energized, the EV10-2KH allows flow in both directions. When energized, the valve's spool shifts to close the bidirectional flow path.

## OPTION

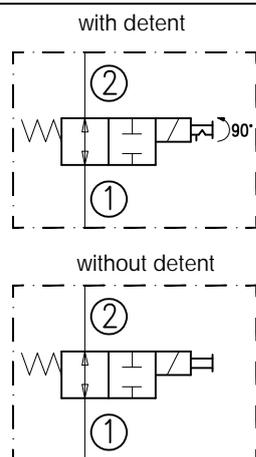
Manual over-ride push & twist type. Push the button and twist it for 90° anticlockwise to fix the working position. To unlock - push and twist for another 90° anticlockwise.



## RATINGS

- Operating Pressure: 210bar
- Flow: See Performance Chart.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 90% to 110% of nominal voltage
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL

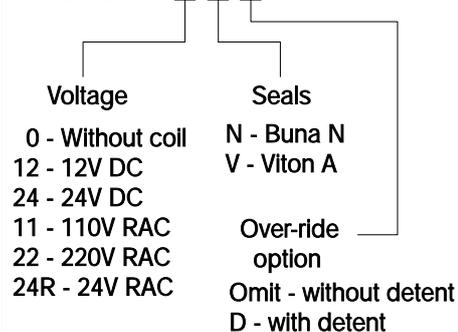


## CAVITY

See "CAVITIES AND BODIES" brochure

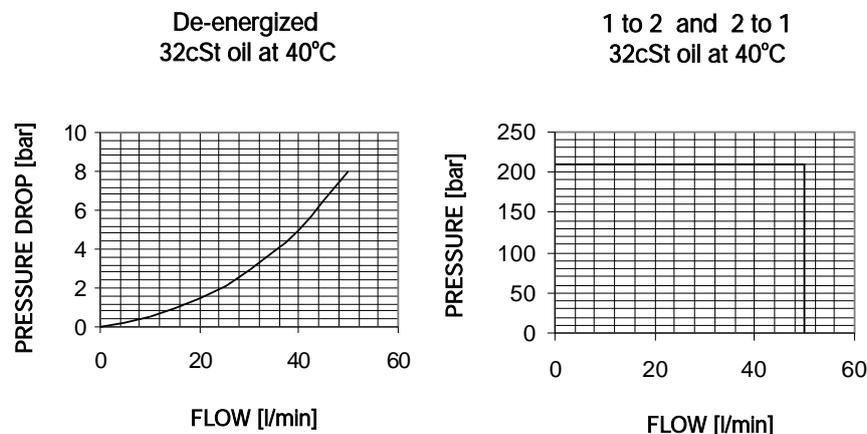
## TO ORDER

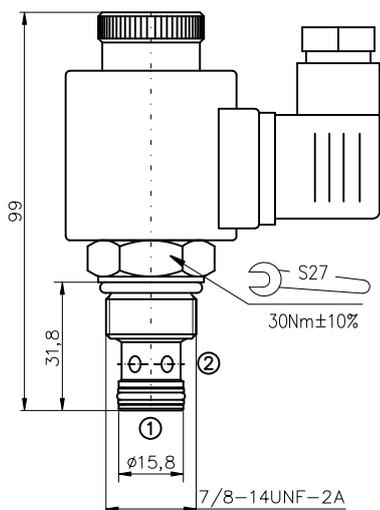
### EV10-2KH



Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, direct-acting, spool-type, normally closed, screw-in, hydraulic cartridge valve designed to operate as a bidirectional blocking valve.

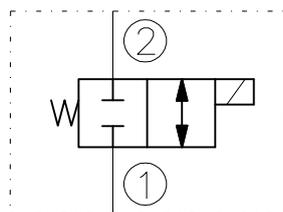
## OPERATION

When de-energized, the EV10-2LF blocks flow in both directions. When energized, the valve's spool shifts to open the bidirectional flow path.

## RATINGS

- Operating Pressure: 210bar
- Flow: See Performance Chart
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

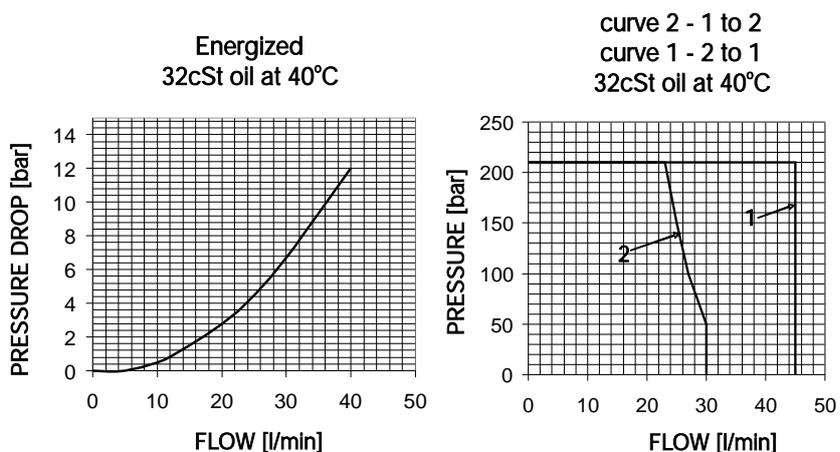
## TO ORDER

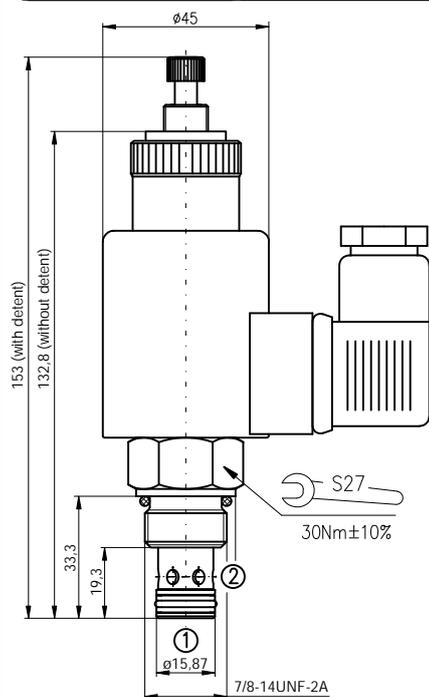
EV10-2LF

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

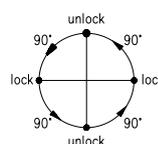
A solenoid-operated, 2-way, direct-acting, spool-type, normally closed, screw-in, hydraulic cartridge valve designed to function as bidirectional blocking valve in high flow circuits.

## OPERATION

When de-energized, the EV10-2LH stops flow in both directions. When energized, the valve's spool shifts to open the bidirectional flow path.

## OPTION

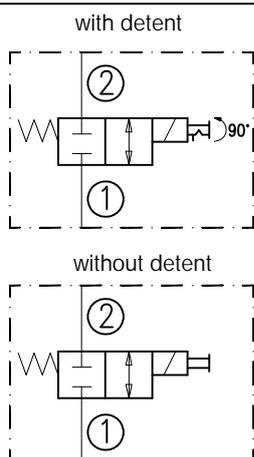
Manual over-ride push & twist type. Push the button and twist it for 90° anticlockwise to fix the working position. To unlock - push and twist for another 90° anticlockwise.



## RATINGS

- Operating Pressure: 210bar
- Flow: See Performance Chart.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 90% to 110% of nominal voltage
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL

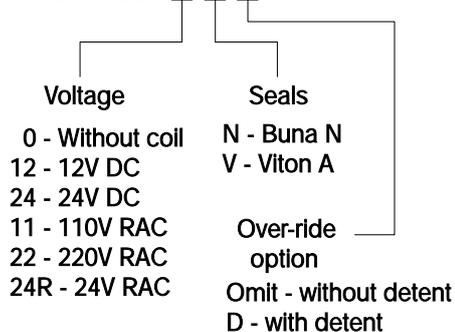


## CAVITY

See "CAVITIES AND BODIES" brochure

## TO ORDER

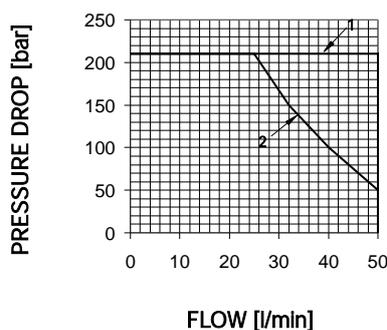
EV10-2LH



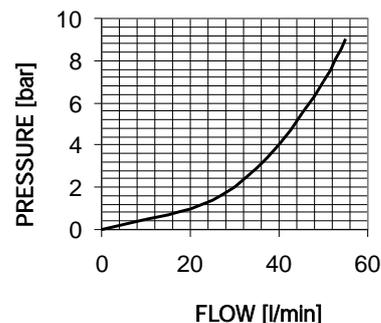
Terminations DIN 43650.  
See "Accessories" brochure

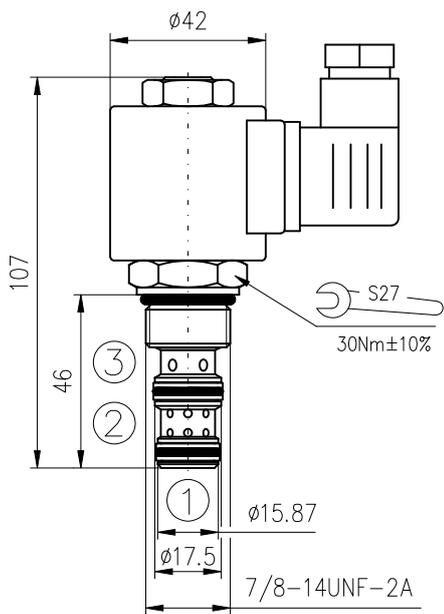
## PERFORMANCE (Cartridge Only)

curve 2 - 1 to 2  
curve 1 - 2 to 1  
32cSt oil at 40°C



Energized  
32cSt oil at 40°C





**DESCRIPTION**

A solenoid-operated , 3-way , direct-acting , spool-type , screw-in , hydraulic cartridge valve.

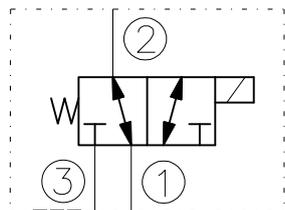
**OPERATION**

When de-energized , the EV10-3A allows flow from 2 to 1 , while blocking flow at 3.  
 When energized , the valve's spool shifts to open from 2 to 3 , while blocking at 1.

**RATINGS**

- Operating Pressure: 210bar
- Flow: 23 l/min max.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-3 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

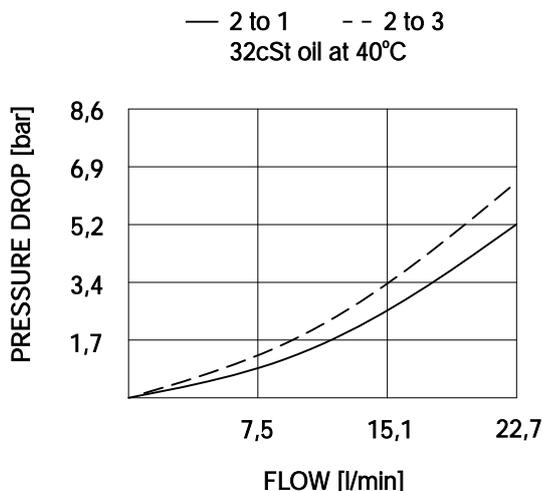
See "CAVITIES AND BODIES" brochure

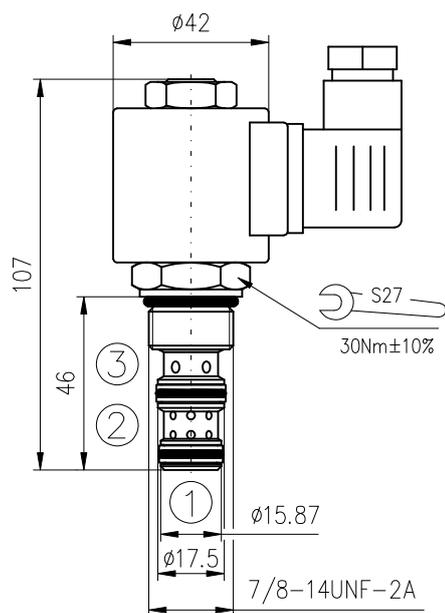
**TO ORDER**

EV10-3A	
Voltage 0 - Without coil 12 - 12V DC 24 - 24V DC 11 - 110V RAC 22 - 220V RAC	Seals N - Buna N V - Viton A

Terminations DIN 43650.  
 See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





## DESCRIPTION

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in, hydraulic cartridge valve.

## OPERATION

When de-energized, the EV10-3B allows flow from 2 to 1, while blocking flow at 3.

When energized, the valve's spool shifts to open from 1 to 3, while blocking at 2.

## RATINGS

Operating Pressure: 210bar

Flow: 23 l/min max.

Internal Leakage: 82 cc/minute max. at 210bar

Temperature: -20°C to 90°C with standard Buna N seals

Coil Duty Rating: Continuous from 85% to 115% of nominal voltage

Minimum Pull-in Voltage: 85% of nominal at 210bar

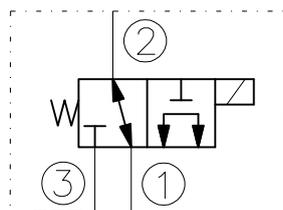
Filtration: Recommended 25mm nominal or better

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

Cavity: CC10-3 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

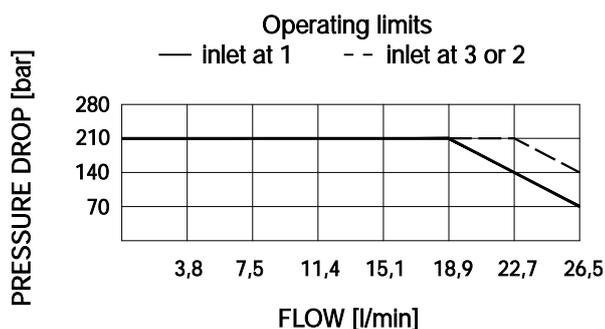
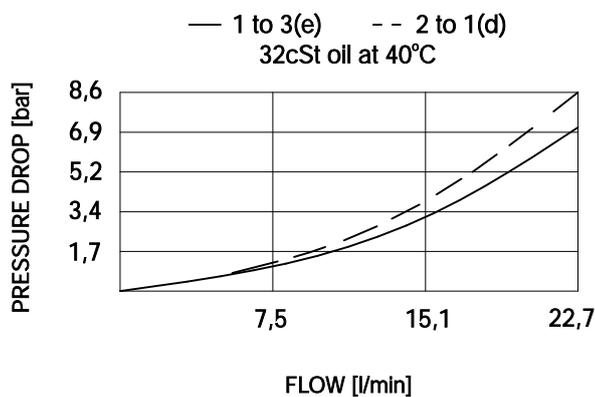
## TO ORDER

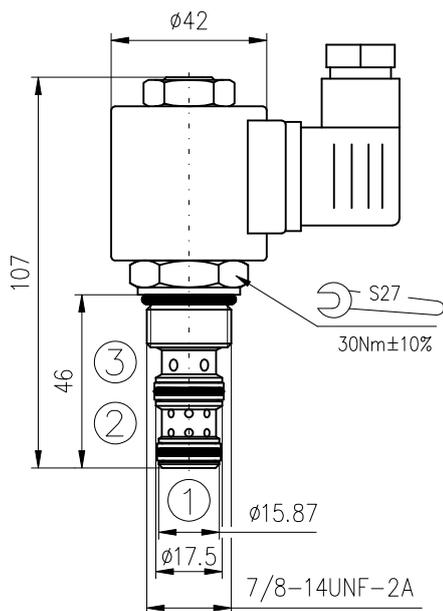
EV10-3B

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





**DESCRIPTION**

A solenoid-operated , 3-way , direct-acting , spool-type , screw-in , hydraulic cartridge valve.

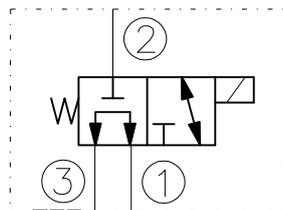
**OPERATION**

When de-energized , the EV10-3D allows flow from 2 to 1 , while blocking flow at 3.  
 When energized , the valve's spool shifts to open from 1 to 3 , while blocking at 2.

**RATINGS**

- Operating Pressure: 210bar
- Flow: 23 l/min max.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-3 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

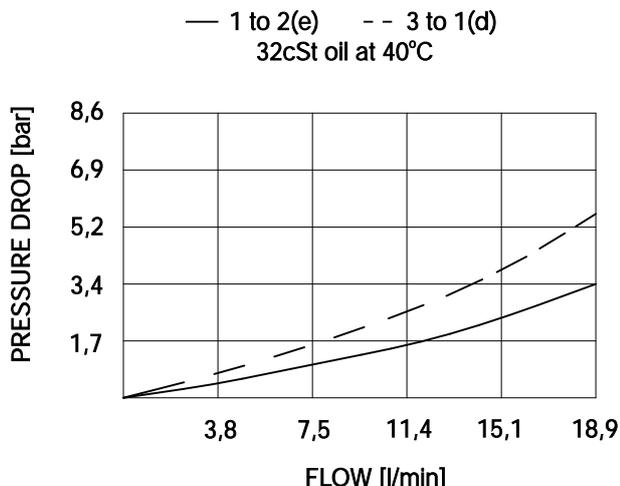
**TO ORDER**

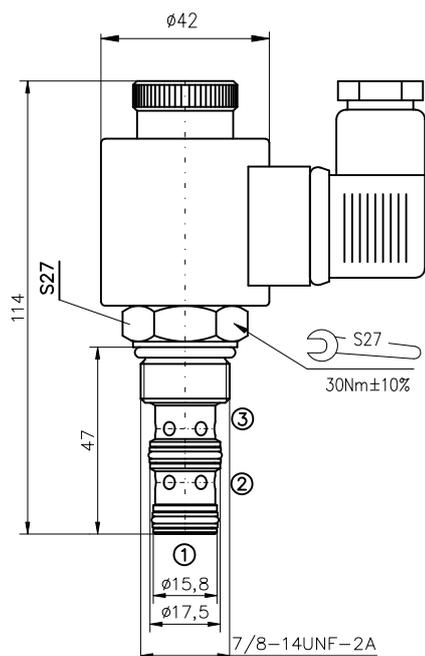
EV10-3D

<p><b>Voltage</b></p> <p>0 - Without coil              12 - 12V DC              24 - 24V DC              11 - 110V RAC              22 - 220V RAC</p>	<p><b>Seals</b></p> <p>N - Buna N              V - Viton A</p>
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Terminations DIN 43650.  
 See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





**DESCRIPTION**

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in, hydraulic cartridge valve.

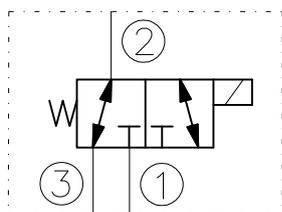
**OPERATION**

When de-energized, the EV10-3MF allows flow from 2 to 3, while blocking flow at 1.  
When energized, the valve's spool shifts to open from 2 to 1, while blocking at 3.

**RATINGS**

Operating Pressure: 210bar  
 Flow: See Performance Chart.  
 Internal Leakage: 82 cc/minute max. at 210bar  
 Temperature: -20°C to 90°C with standard Buna N seals  
 Coil Duty Rating: Continuous from 85% to 115% of nominal voltage  
 Minimum Pull-in Voltage: 85% of nominal at 210bar  
 Filtration: Recommended 25mm nominal or better  
 Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt  
 Installation: No restrictions  
 Cavity: CC10-3 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

**TO ORDER**

EV10-3MF

**Voltage**

- 0 - Without coil
- 12 - 12V DC
- 24 - 24V DC
- 11 - 110V RAC
- 22 - 220V RAC

**Seals**

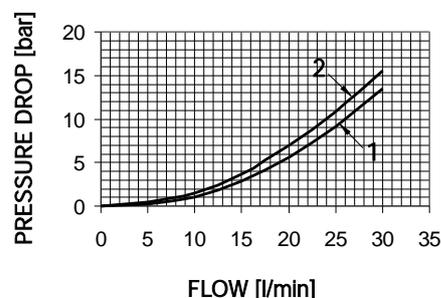
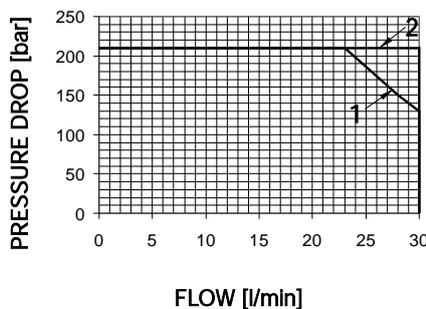
- N - Buna N
- V - Viton A

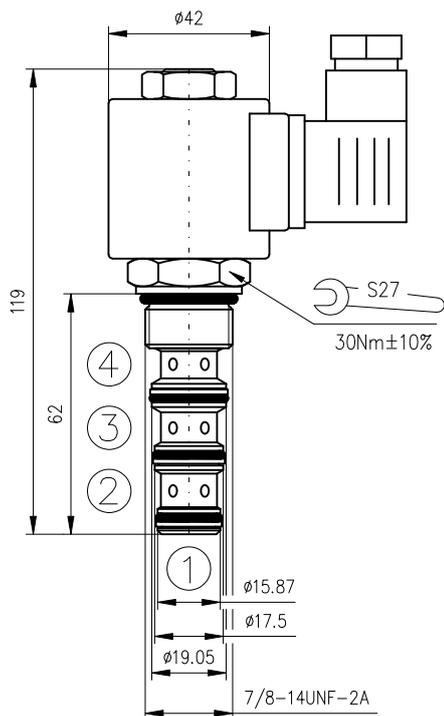
Terminations DIN 43650.  
See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**

curve 2 - 2 to 1  
 curve 1 - 2 to 3 ; 3 to 2 ; 1 to 2  
 32cSt oil at 50°C

curve 2 - 2 to 1 ; 1 to 2  
 curve 1 - 2 to 3 ; 3 to 2  
 32cSt oil at 50°C





**DESCRIPTION**

A solenoid-operated , 4-way , 2-position , direct-acting , spool-type , screw-in , hydraulic cartridge valve.

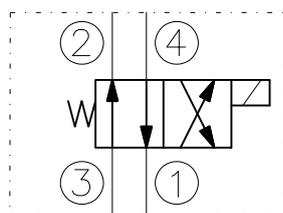
**OPERATION**

When de-energized , the EV10-4A allows flow from 3 to 2 , and from 4 to 1 . When energized , the valve's spool shifts to open from 3 to 4 , and from 2 to 1 . All ports are open at cross-over.

**RATINGS**

- Operating Pressure: 210bar
- Flow: 23 l/min max.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC10-4 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

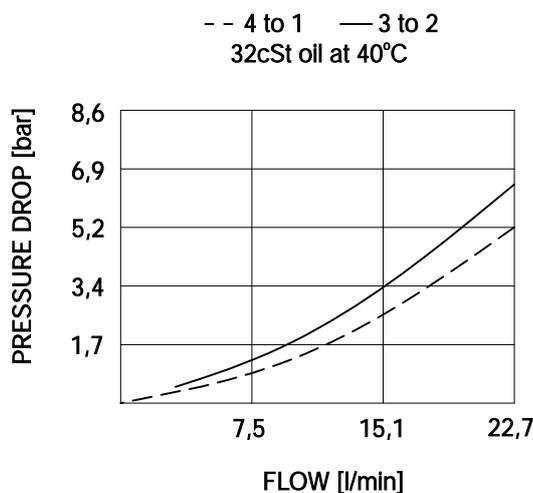
**TO ORDER**

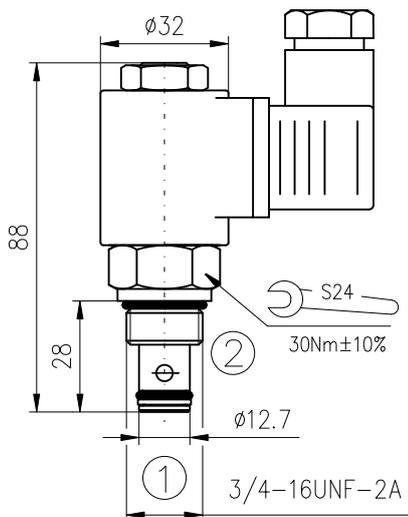
EV10-4A

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally closed, screw-in hydraulic cartridge valve, intended to act as a blocking or load-holding device for low flow circuits.

## OPERATION

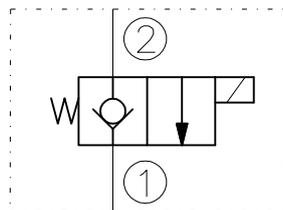
When de-energized, the EV56-2B acts as a check valve, allowing flow from 1 to 2, while blocking flow from 2 to 1.

When energized, the cartridge poppet lifts to open the 2 to 1 flow path. In this mode, flow from 1 to 2 is severely restricted.

## RATINGS

- Operating Pressure: 200bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 200bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 200bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

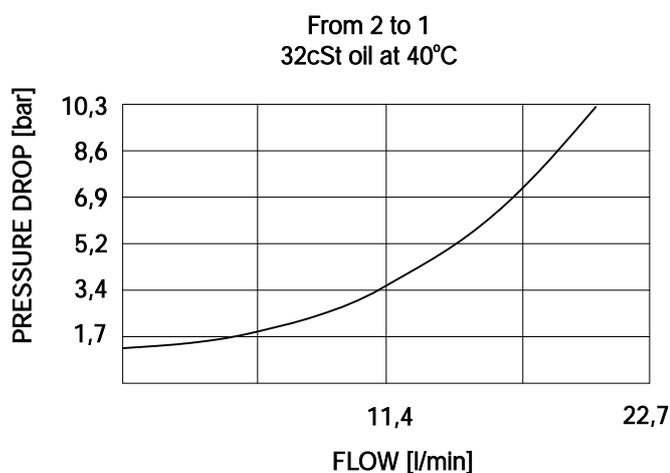
## TO ORDER

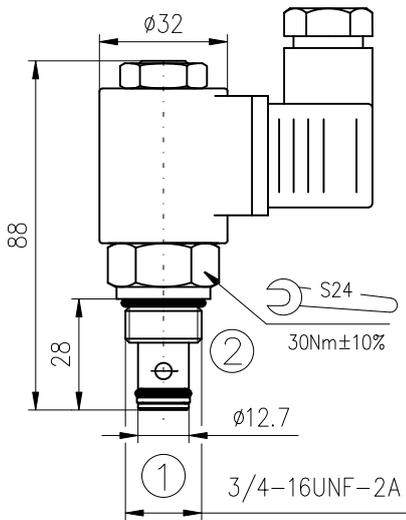
EV56-2B

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, piloted, poppet-type, normally closed, screw-in hydraulic cartridge valve, intended to act as a blocking or load-holding device for low flow circuits.

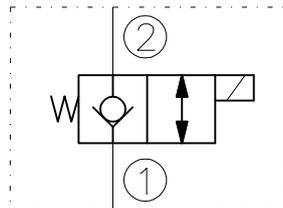
## OPERATION

When de-energized, the EV56-2E acts as a check valve, allowing flow from 1 to 2, while blocking flow from 2 to 1. When energized, the cartridge poppet lift to open the 2 to 1 flow path. In this mode, bidirectional flow is allowed.

## RATINGS

- Operating Pressure: 200bar
- Flow: See Performance Chart
- Internal Leakage: 0,25 cc/minute max. at 200bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 200bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

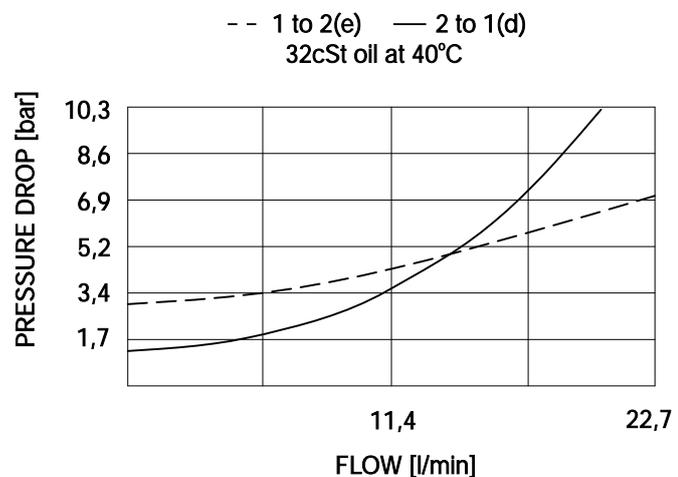
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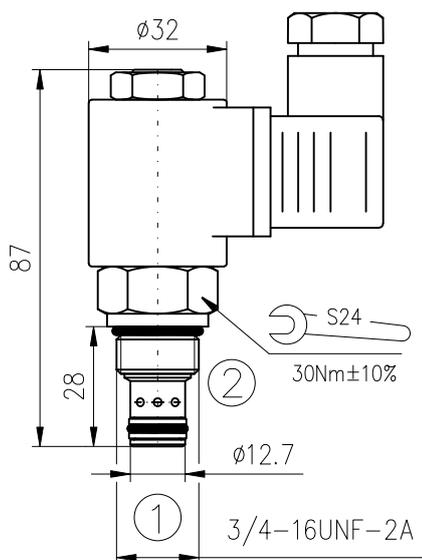
EV56-2E

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, direct-acting, spool-type, normally open, screw-in, hydraulic cartridge valve designed to function as bidirectional blocking valve in low flow circuits.

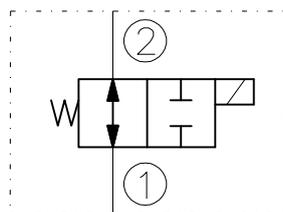
## OPERATION

When de-energized, the EV56-2K allows flow in both directions. When energized, the valve's spool shifts to close bidirectionally.

## RATINGS

- Operating Pressure: 200bar
- Flow: 8 l/min max.
- Internal Leakage: 82 cc/minute max. at 200bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 200bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

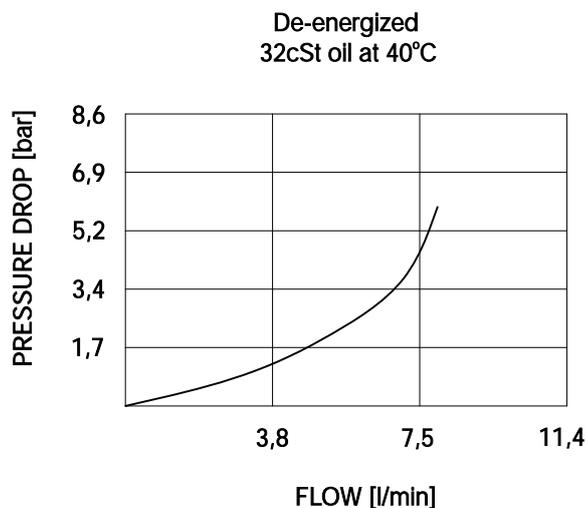
## TO ORDER

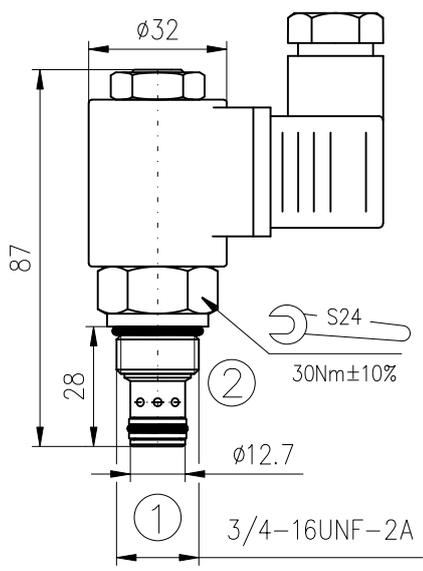
EV56-2K

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





## DESCRIPTION

A solenoid-operated, 2-way, direct-acting, spool-type, normally closed, screw-in, hydraulic cartridge valve designed to operate as a bidirectional blocking valve in low flow circuits.

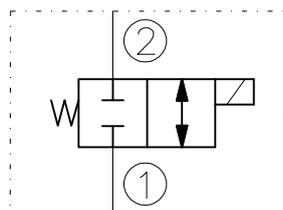
## OPERATION

When de-energized, the EV56-2L blocks flow in both directions. When energized, the valve's spool shifts to open the bidirectional flow path.

## RATINGS

- Operating Pressure: 200bar
- Flow: 10 l/min max.
- Internal Leakage: 82 cc/minute max. at 200bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 200bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

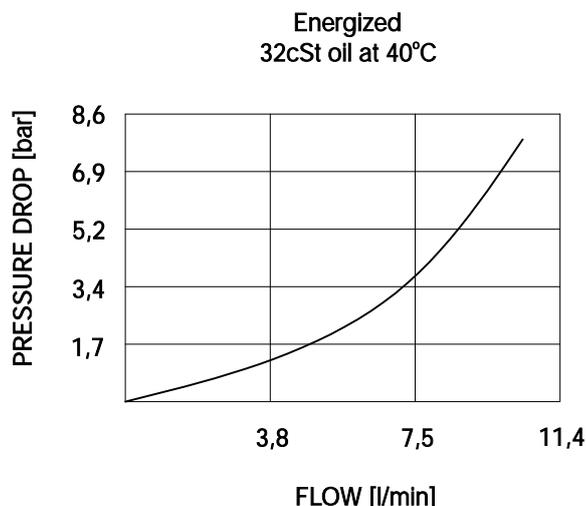
## TO ORDER

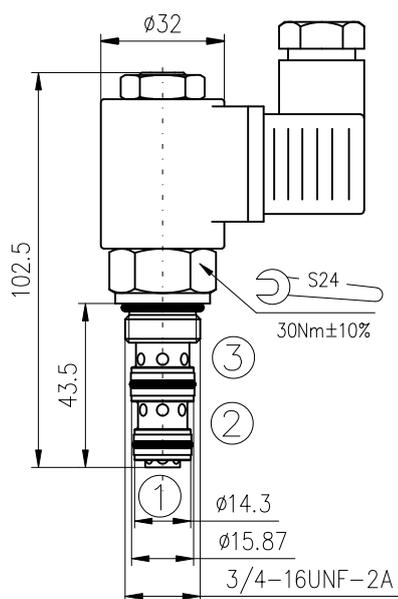
EV56-2L

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





**DESCRIPTION**

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in, hydraulic cartridge valve.

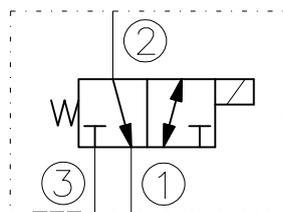
**OPERATION**

When de-energized, the EV08-3A allows flow from 2 to 1, while blocking flow at 3.  
When energized, the valve's spool shifts to open from 2 to 3, while blocking at 1.

**RATINGS**

- Operating Pressure: 210bar
- Flow: 8 l/min max.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-3A ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

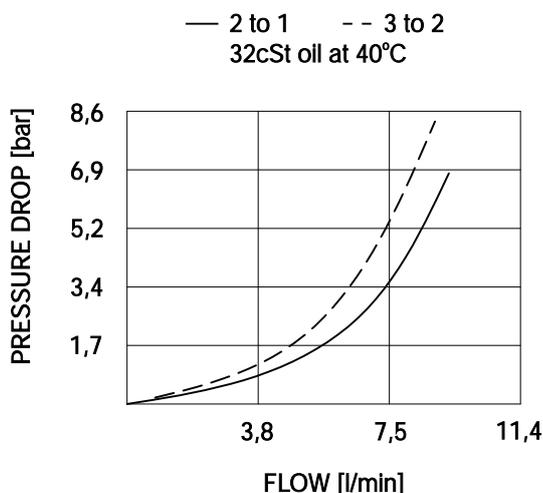
**TO ORDER**

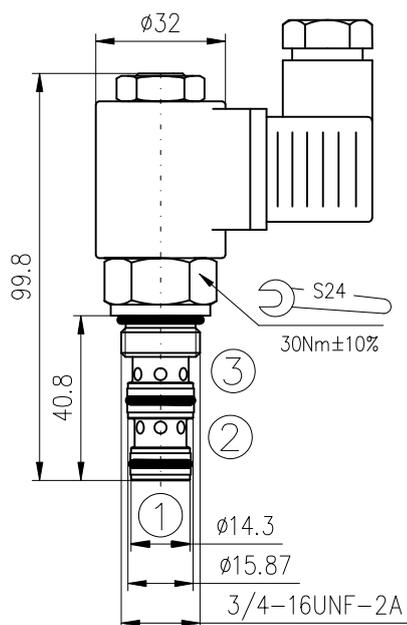
EV58-3A

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





**DESCRIPTION**

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in, hydraulic cartridge valve.

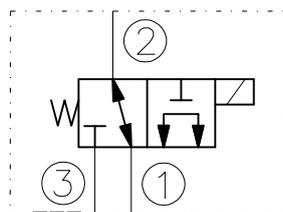
**OPERATION**

When de-energized, the EV58-3C allows flow from 2 to 1, while blocking flow at 3. When energized, the valve's spool shifts to open from 1 to 3, while blocking at 2.

**RATINGS**

- Operating Pressure: 210bar
- Flow: 8 l/min max.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-3 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

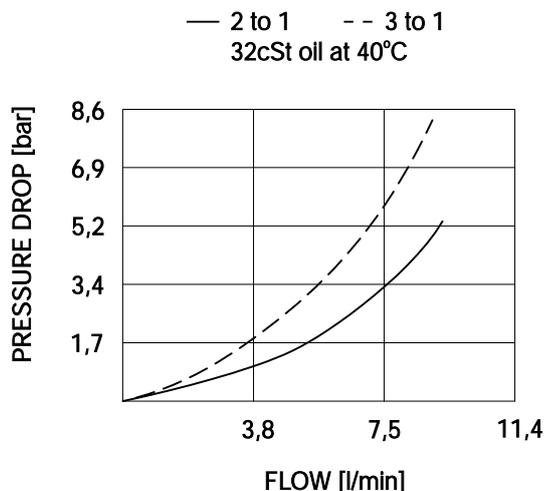
**TO ORDER**

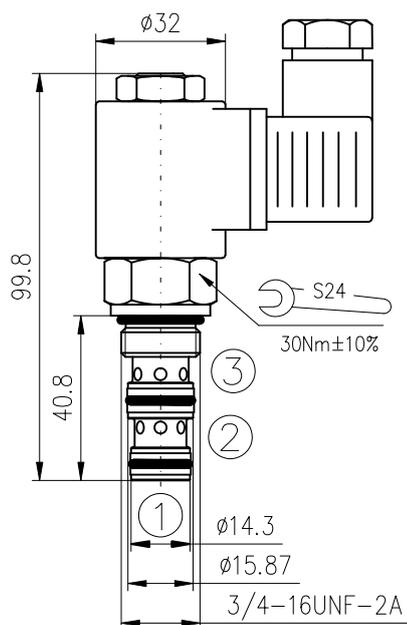
EV58-3C

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





**DESCRIPTION**

A solenoid-operated , 3-way , direct-acting , spool-type , screw-in , hydraulic cartridge valve.

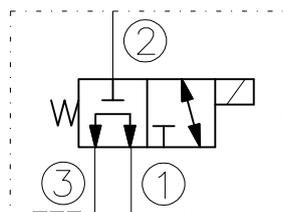
**OPERATION**

When de-energized , the EV58-3D allows flow from 3 to 1 , while blocking flow at 2.  
When energized , the valve's spool shifts to open from 2 to 3 , while blocking at 1.

**RATINGS**

- Operating Pressure: 210bar
- Flow: 8 l/min max.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-3 ; See "CAVITIES AND BODIES" brochure

**SYMBOL**



**CAVITY**

See "CAVITIES AND BODIES" brochure

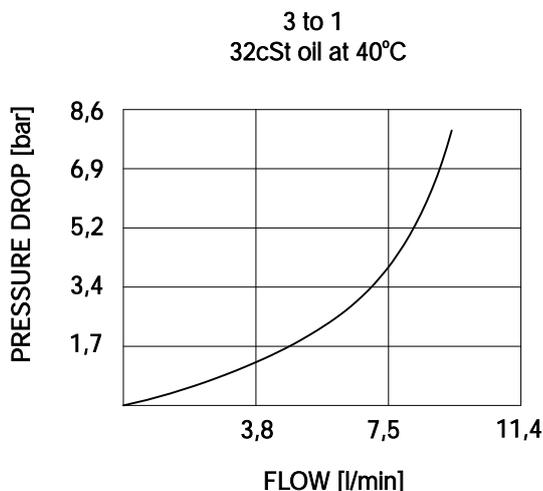
**TO ORDER**

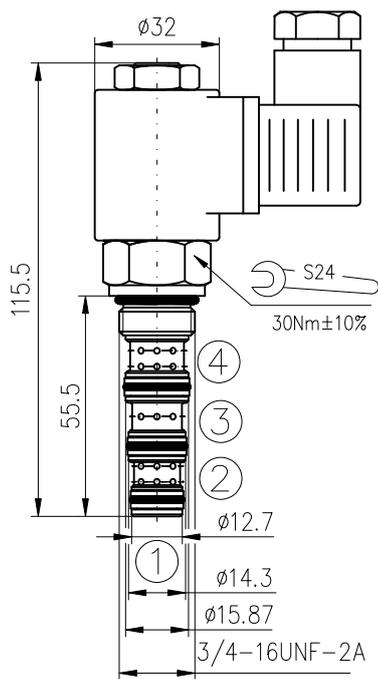
**EV58-3D**

<p><b>Voltage</b></p> <ul style="list-style-type: none"> <li>0 - Without coil</li> <li>12 - 12V DC</li> <li>24 - 24V DC</li> <li>11 - 110V RAC</li> <li>22 - 220V RAC</li> </ul>	<p><b>Seals</b></p> <ul style="list-style-type: none"> <li>N - Buna N</li> <li>V - Viton A</li> </ul>
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Terminations DIN 43650.  
See "Accessories" brochure

**PERFORMANCE (Cartridge Only)**





## DESCRIPTION

A solenoid-operated, 4-way, 2-position, direct-acting, spool-type, screw-in, hydraulic cartridge valve.

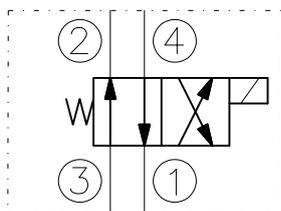
## OPERATION

When de-energized, the EV58-4A allows flow from 3 to 2, and from 4 to 1. When energized, the valve's spool shifts to open from 3 to 4, and from 2 to 1. All ports are open at cross-over.

## RATINGS

- Operating Pressure: 210bar
- Flow: 8 l/min max.
- Internal Leakage: 82 cc/minute max. at 210bar
- Temperature: -20°C to 90°C with standard Buna N seals
- Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
- Minimum Pull-in Voltage: 85% of nominal at 210bar
- Filtration: Recommended 25mm nominal or better
- Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt
- Installation: No restrictions
- Cavity: CC08-4 ; See "CAVITIES AND BODIES" brochure

## SYMBOL



## CAVITY

See "CAVITIES AND BODIES" brochure

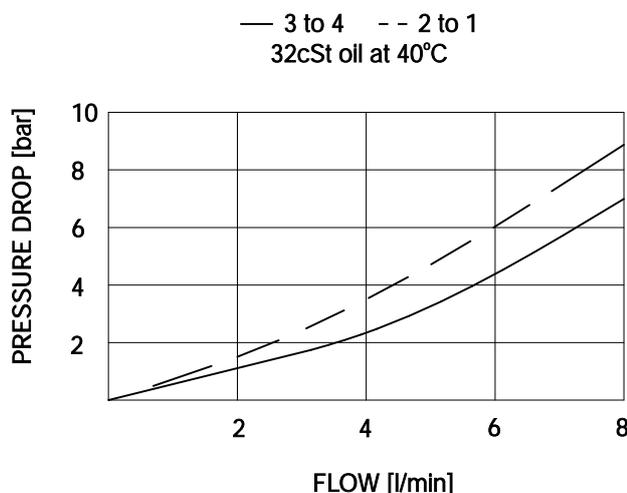
## TO ORDER

### EV58-4A

Voltage	Seals
0 - Without coil	N - Buna N
12 - 12V DC	V - Viton A
24 - 24V DC	
11 - 110V RAC	
22 - 220V RAC	

Terminations DIN 43650.  
See "Accessories" brochure

## PERFORMANCE (Cartridge Only)





caproni

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