

Bulmach

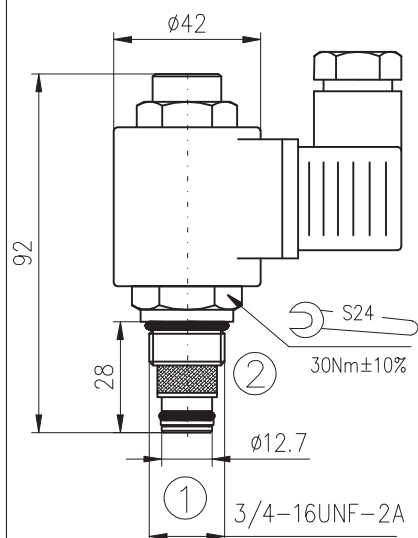


SOLENOID CARTRIDGE VALVES

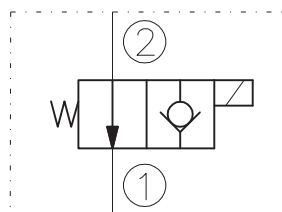
CONTENTS:

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
EV10-2K.....	24/40
EV10-2KH.....	25/40
EV10-2L.....	26/40
EV10-2LH.....	27/40
EV10-3A.....	28/40
EV10-3C.....	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



SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV06-2A

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

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

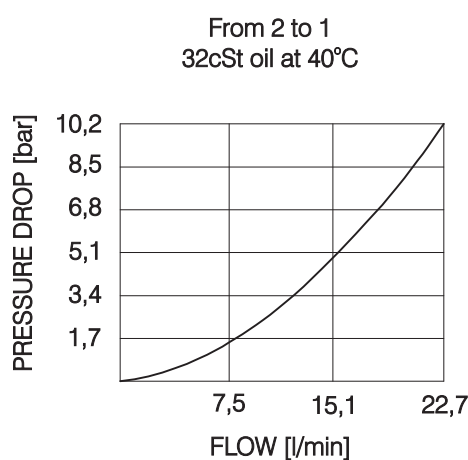
Filtration: Recommended 25µm nominal or better

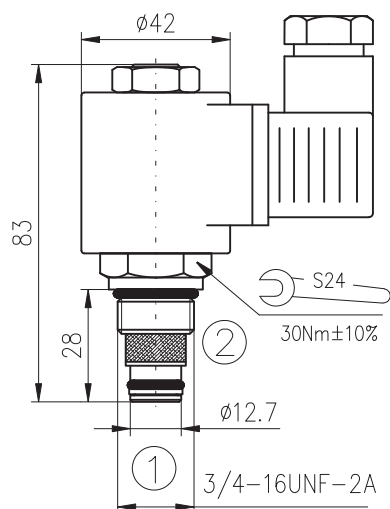
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

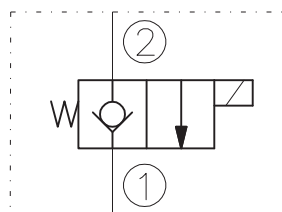
Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV06-2B

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

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

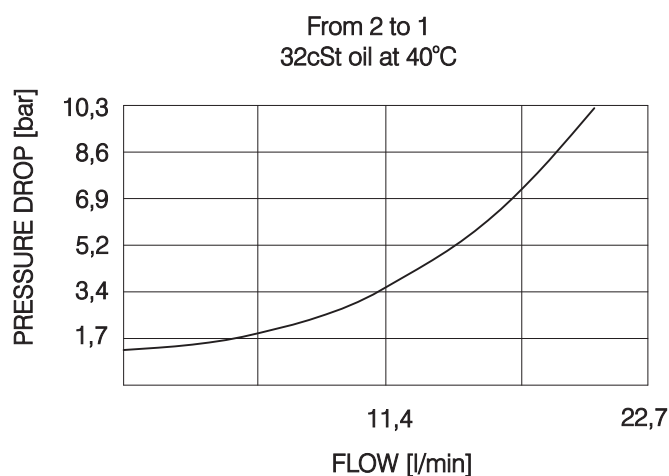
Filtration: Recommended 25µm nominal or better

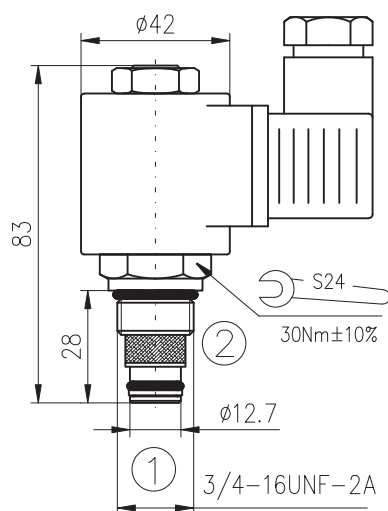
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

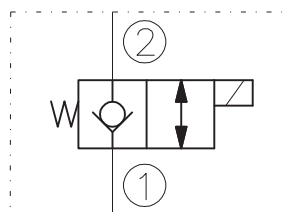
Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV06-2E

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

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

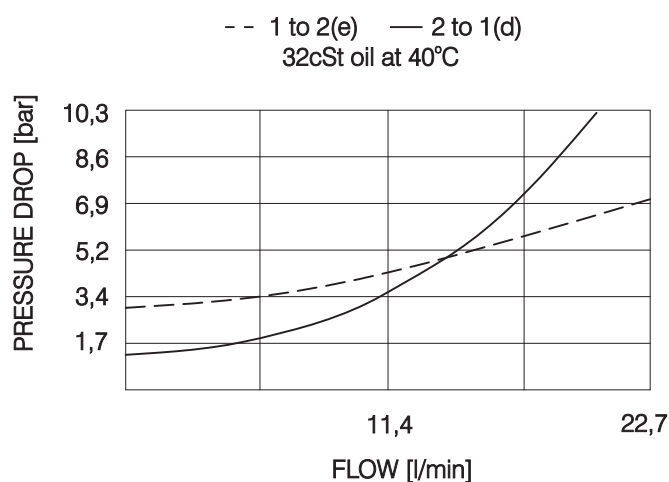
Filtration: Recommended 25µm nominal or better

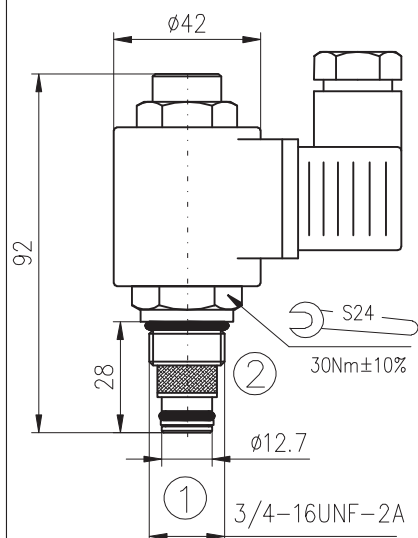
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

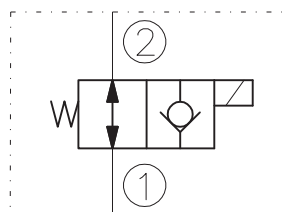
Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV06-2F

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

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

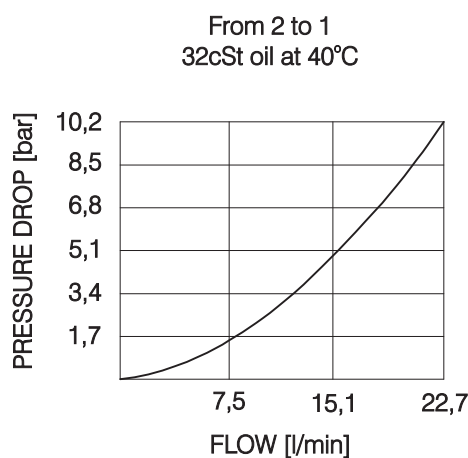
Filtration: Recommended 25µm nominal or better

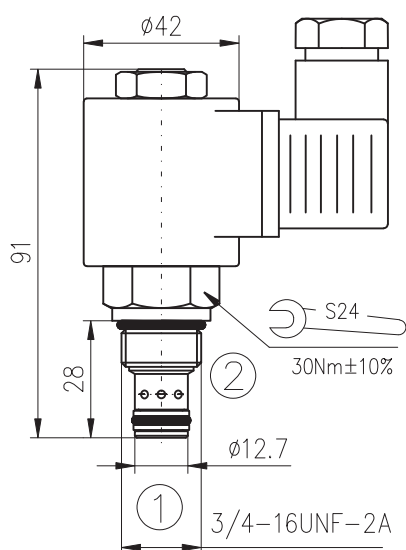
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

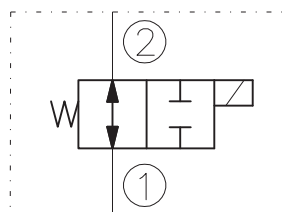
Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV06-2K

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

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

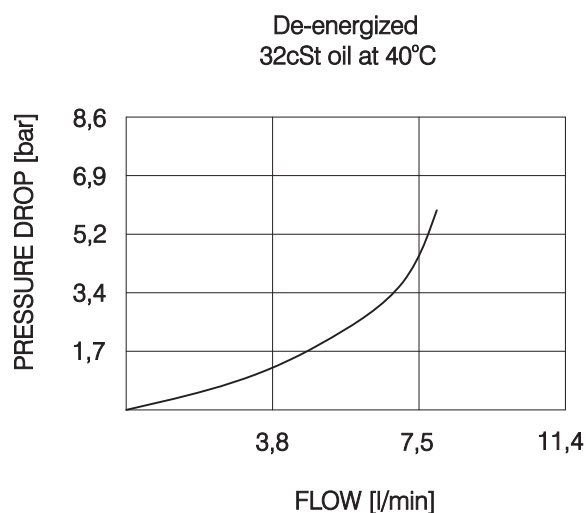
Filtration: Recommended 25µm nominal or better

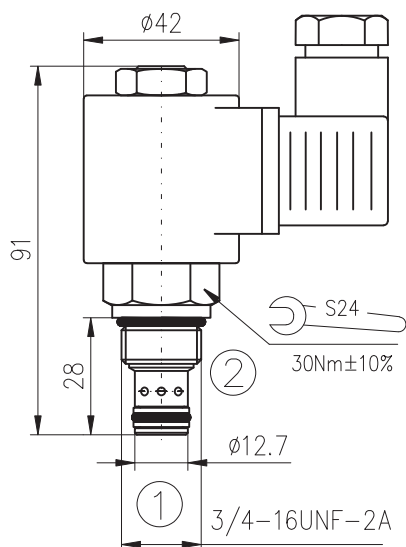
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

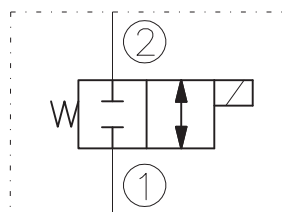
Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV06-2L

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

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

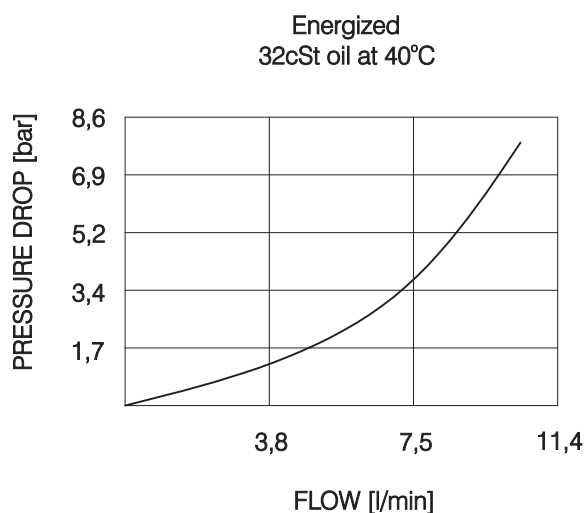
Filtration: Recommended 25µm nominal or better

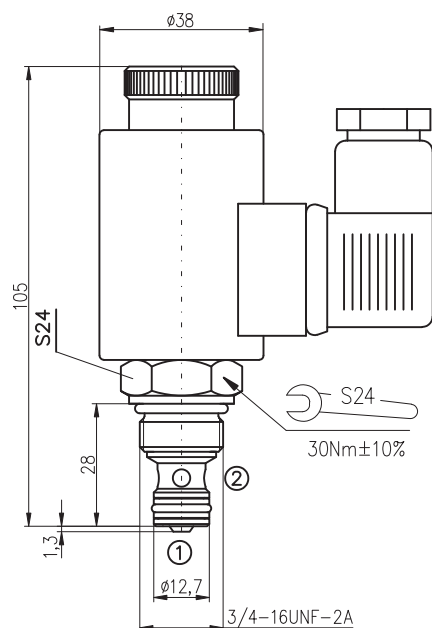
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

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

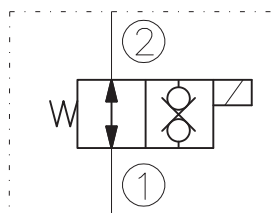
Filtration: Recommended 25µm nominal or better

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

Voltage

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

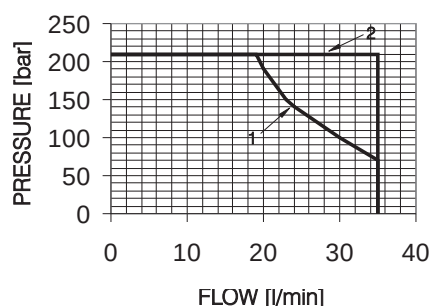
Seals

N - Buna N
V - Viton A

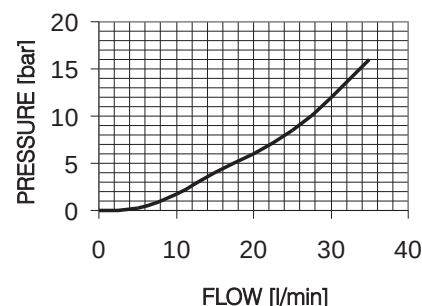
Terminations DIN 43650.
See "Accessories" brochure

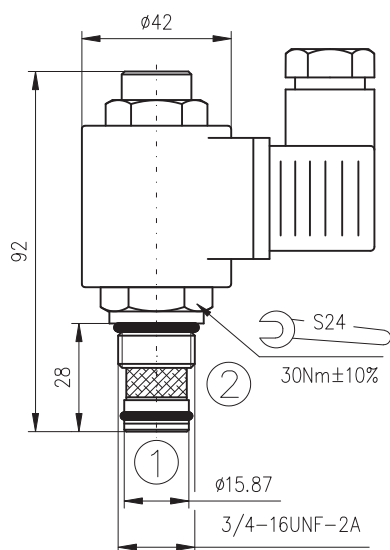
PERFORMANCE (Cartridge Only)

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

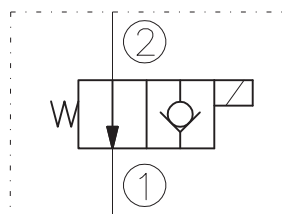


De-energized
32cSt oil at 40°C





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV08-2A

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

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

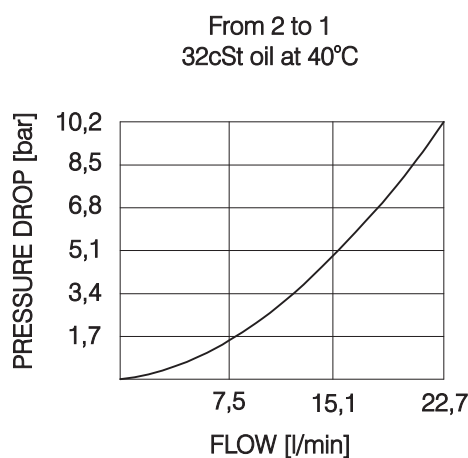
Filtration: Recommended 25µm nominal or better

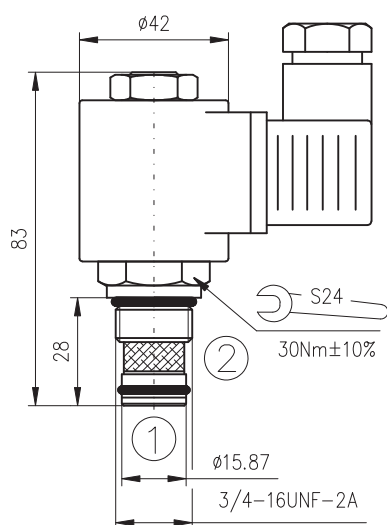
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

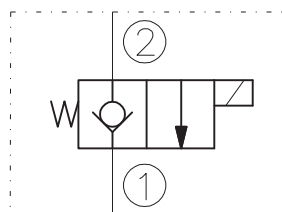
Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV08-2B

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

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

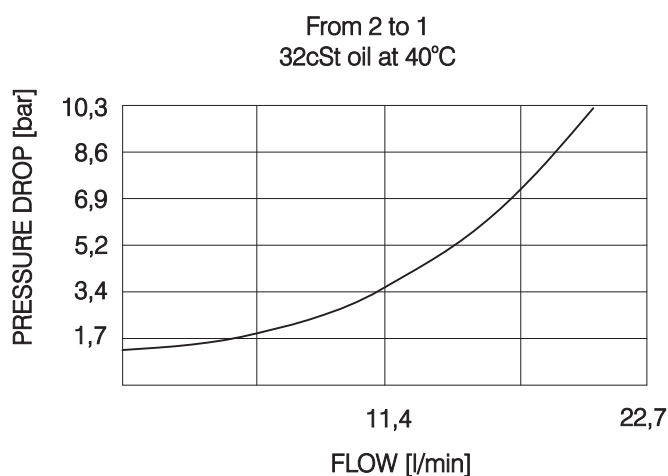
Filtration: Recommended 25µm nominal or better

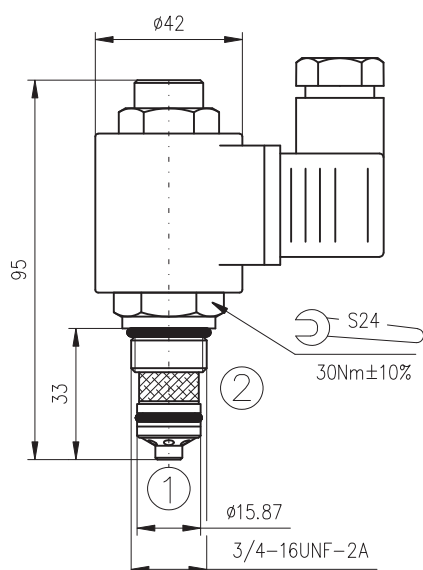
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

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

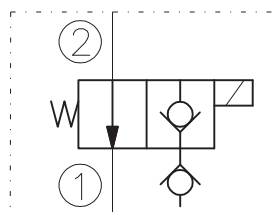
Filtration: Recommended 25 μ m nominal or better

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

Voltage

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

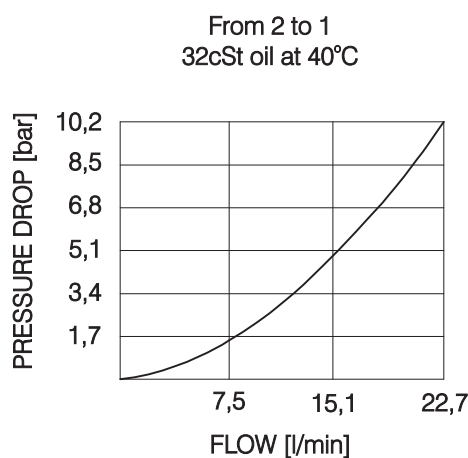
Seals

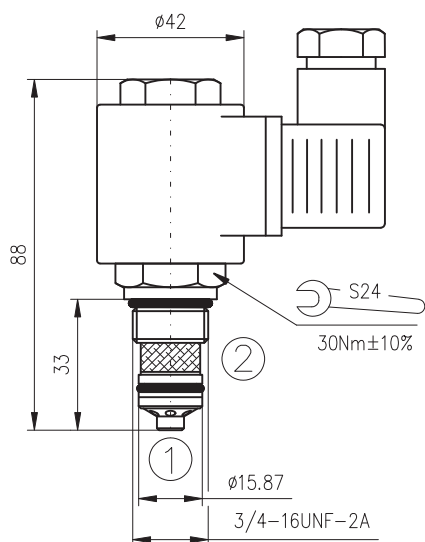
N - Buna N
V - Viton A

Terminations DIN 43650.

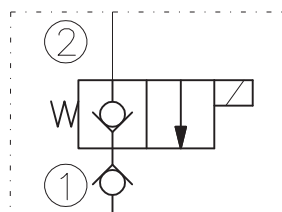
See "Accessories" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV08-2D

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

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.

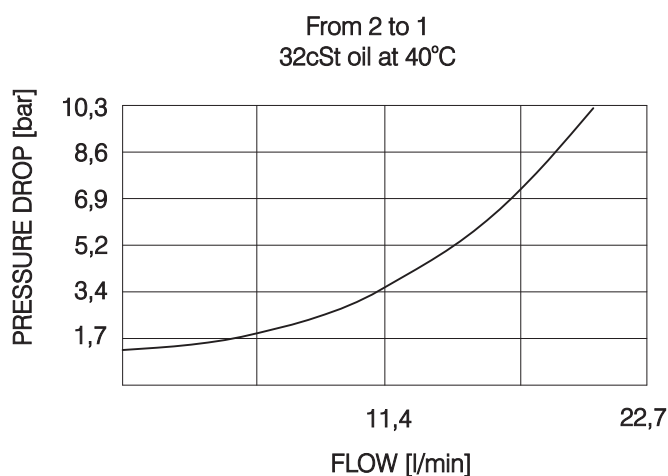
OPERATION

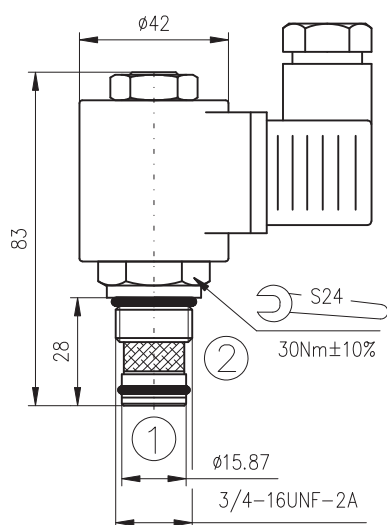
When de-energized, the EV08-2D blocks flow in both directions. When energized, the cartridge poppet lift to open the 2 to 1 flow path. In this mode, flow from 1 to 2 is blocked.

RATINGS

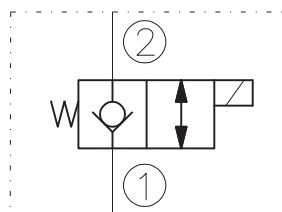
Operating Pressure: 250bar
Flow: See Performance Chart
Internal Leakage: 0,25 cc/minute max. at 250bar
Temperature: -20°C to 90°C with standard Buna N seals
Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
Minimum Pull-in Voltage: 85% of nominal at 250bar
Filtration: Recommended 25µm 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

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV08-2E

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

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

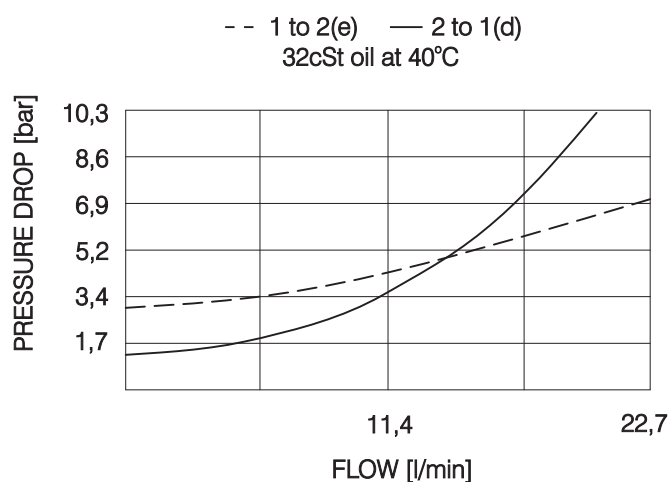
Filtration: Recommended 25µm nominal or better

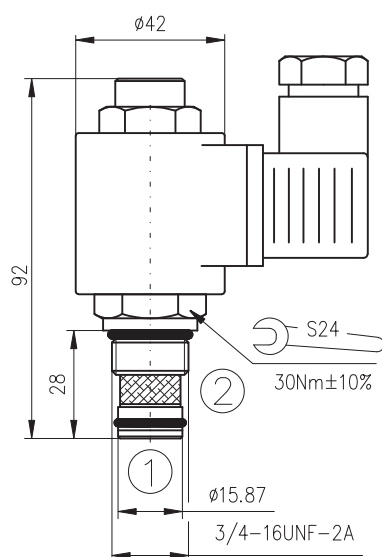
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

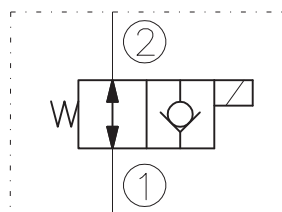
Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV08-2F

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

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

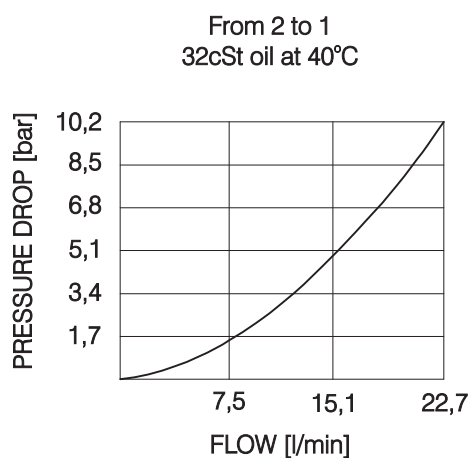
Filtration: Recommended 25µm nominal or better

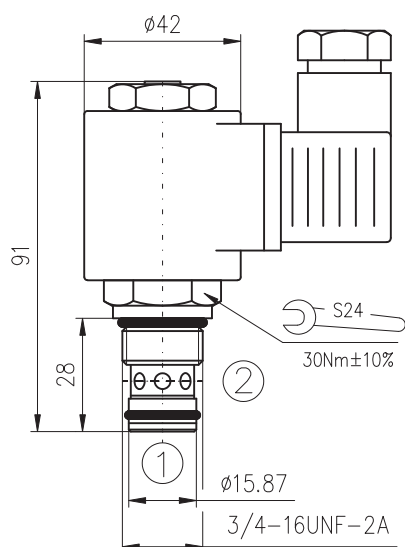
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

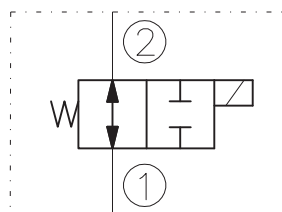
Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV08-2K

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

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

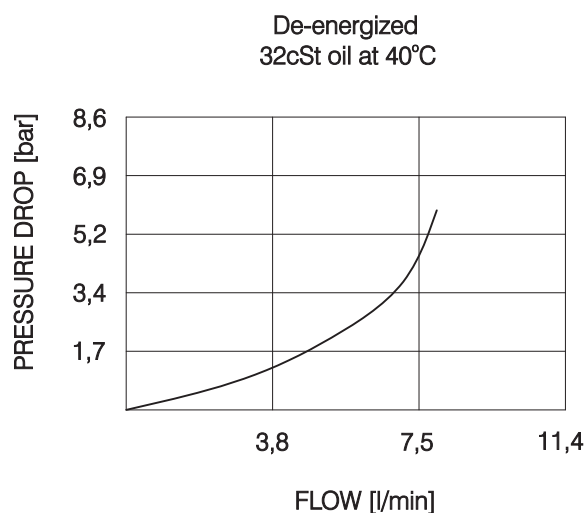
Filtration: Recommended 25µm nominal or better

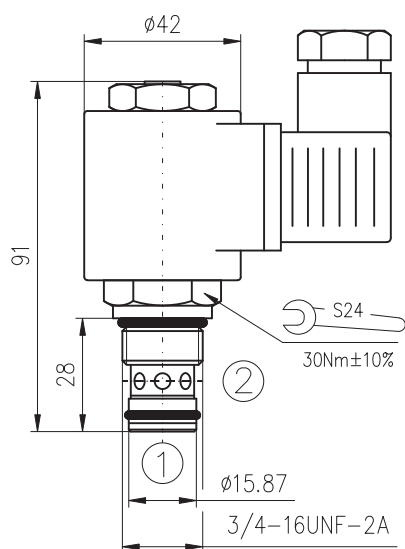
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

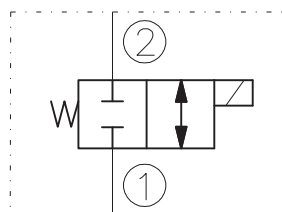
Cavity: CC08-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV08-2L

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

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.

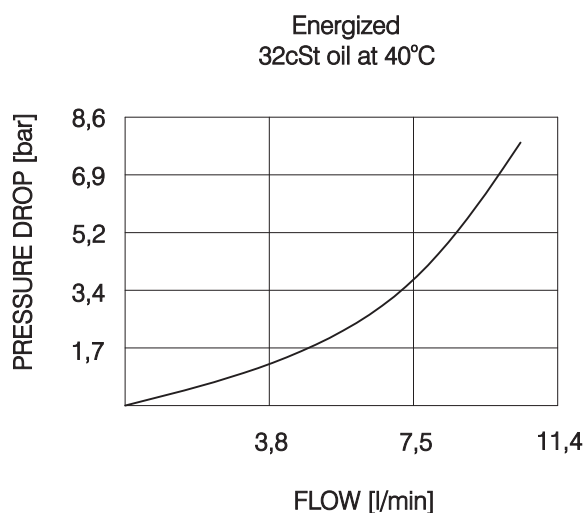
OPERATION

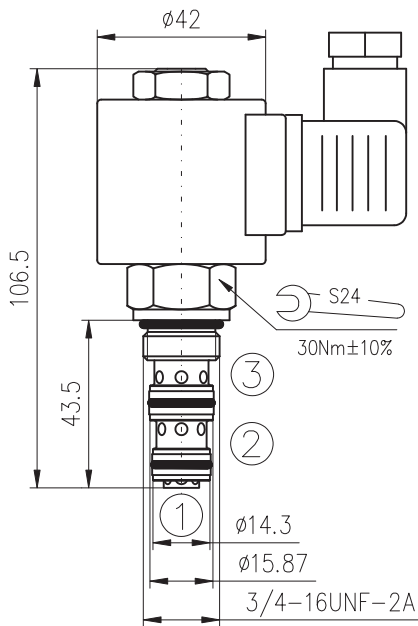
When de-energized, the EV08-2L blocks flow in both directions.
When energized, the valve's spool shifts to open the bidirectional flow path.

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 25 μ m 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

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

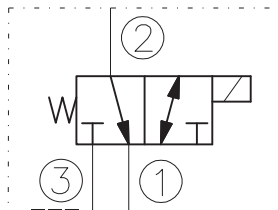
Filtration: Recommended 25µm nominal or better

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

Voltage

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

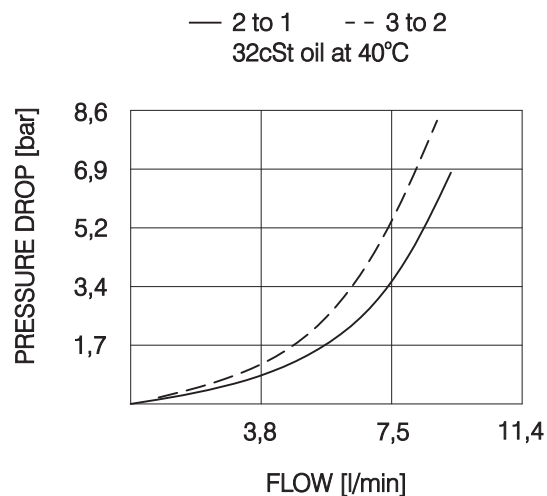
Seals

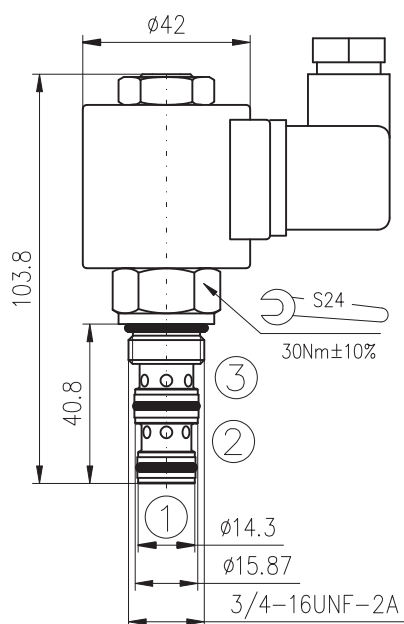
N - Buna N
V - Viton A

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 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

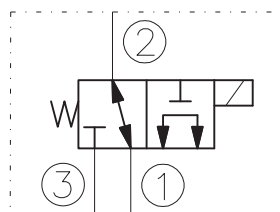
Filtration: Recommended $25\mu m$ nominal or better

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

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

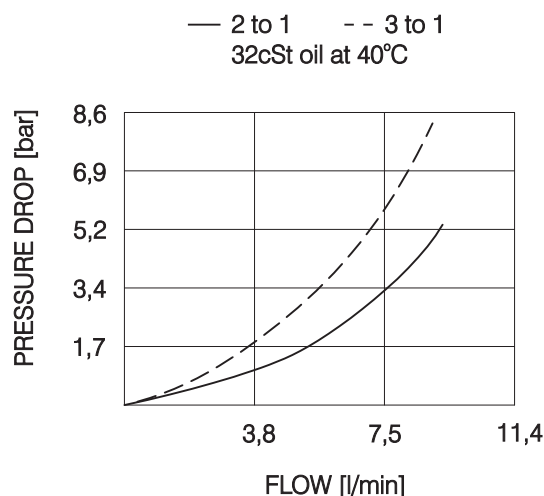
Seals

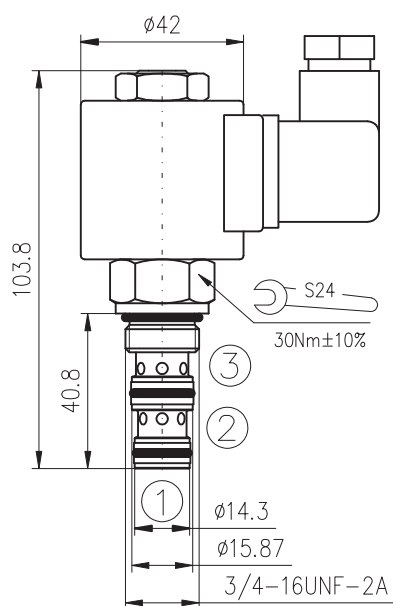
N - Buna N
V - Viton A

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 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

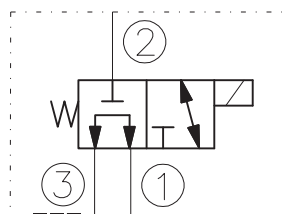
Filtration: Recommended $25\mu\text{m}$ nominal or better

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

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

Seals

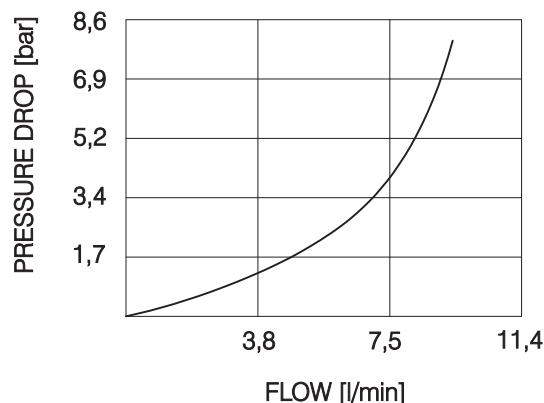
N - Buna N
V - Viton A

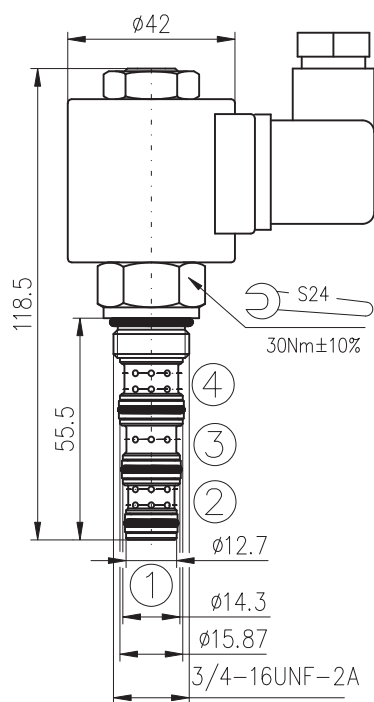
Terminations DIN 43650.

See "Accessories" brochure

PERFORMANCE (Cartridge Only)

3 to 1
32cSt oil at 40°C





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

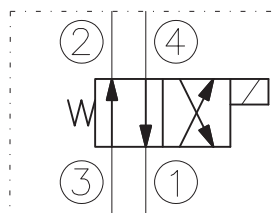
Filtration: Recommended 25 μm nominal or better

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

Voltage

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

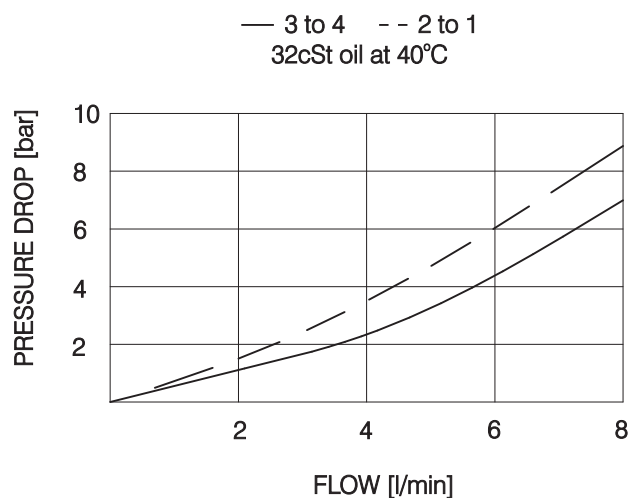
Seals

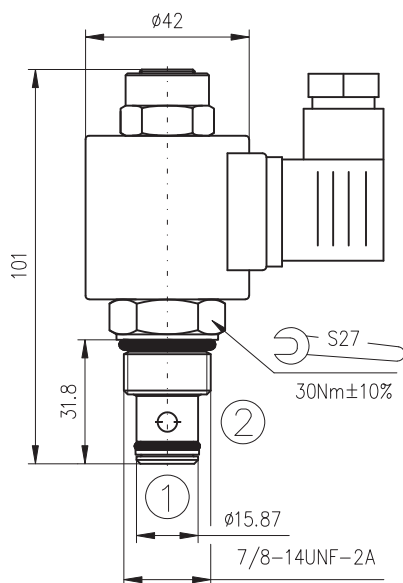
N - Buna N
V - Viton A

Terminations DIN 43650.

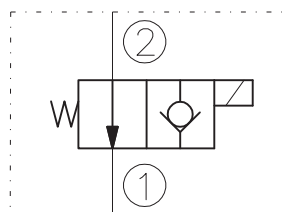
See "Accessories" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV10-2A

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

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: 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

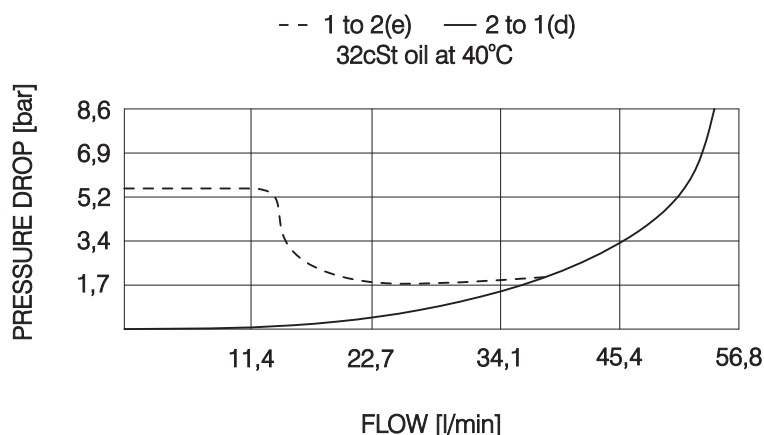
Filtration: Recommended 25µm nominal or better

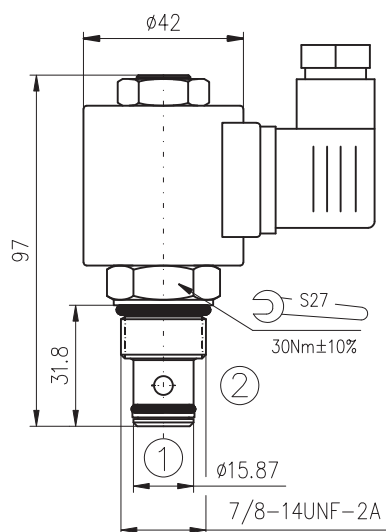
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

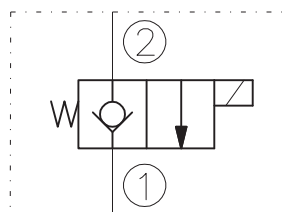
Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV10-2B

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

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

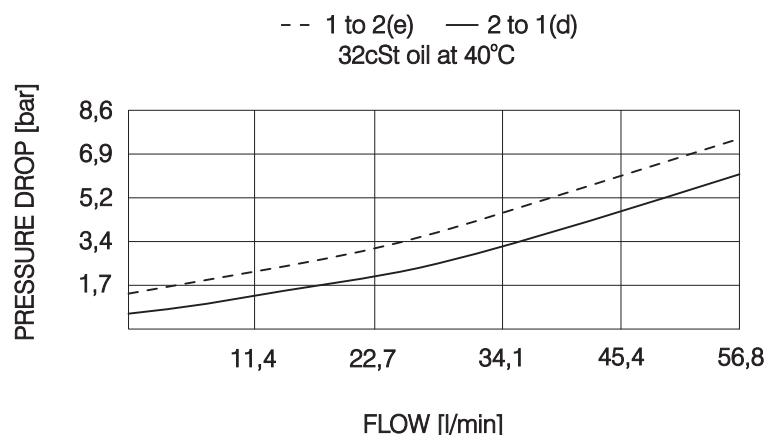
Filtration: Recommended 25µm nominal or better

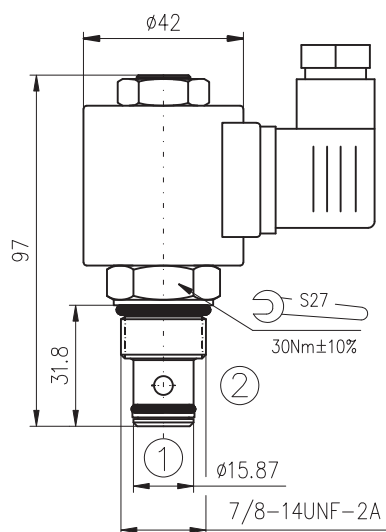
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

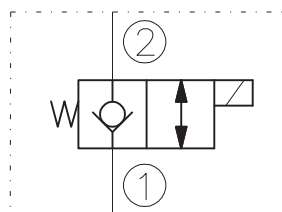
Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV10-2E

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

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

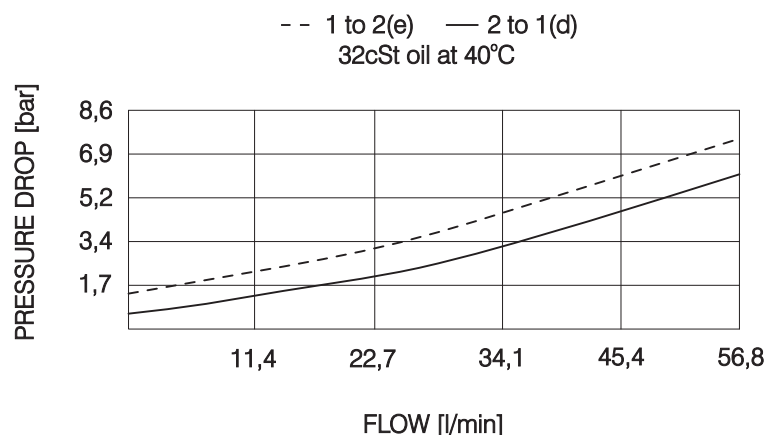
Filtration: Recommended 25µm nominal or better

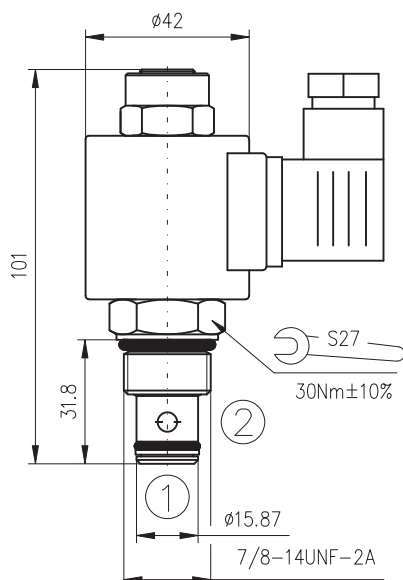
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

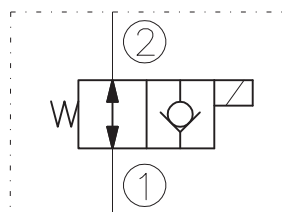
Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV10-2F

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

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

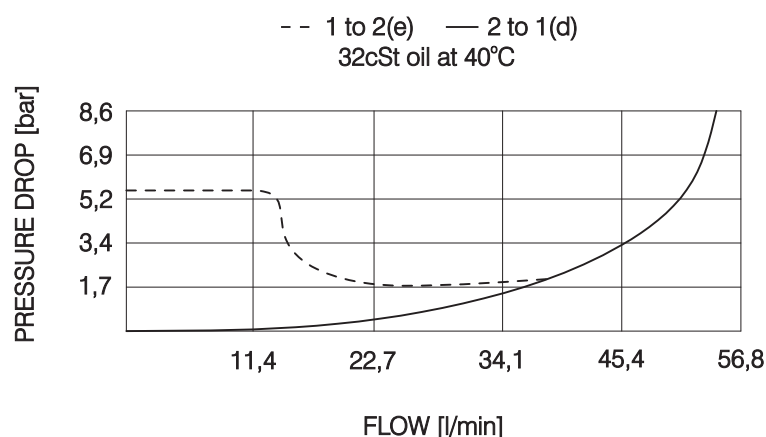
Filtration: Recommended 25µm nominal or better

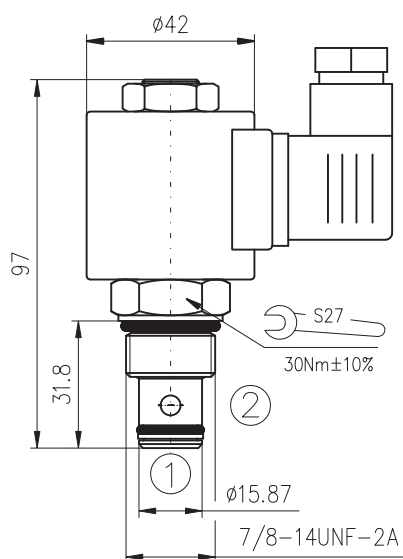
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

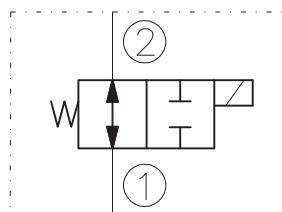
Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV10-2K

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

DESCRIPTION

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

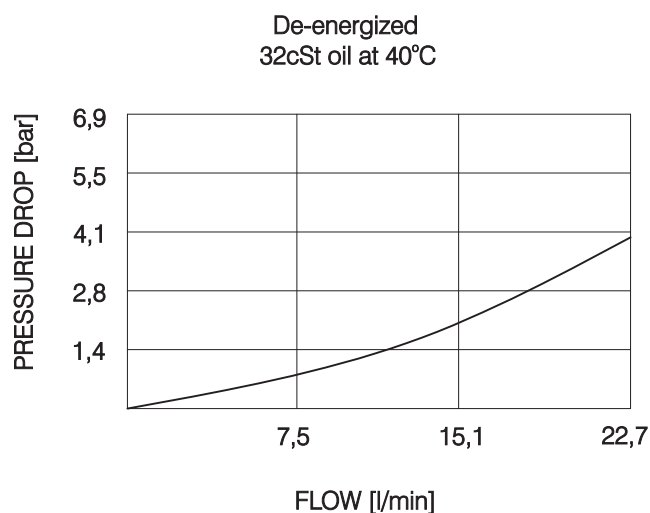
OPERATION

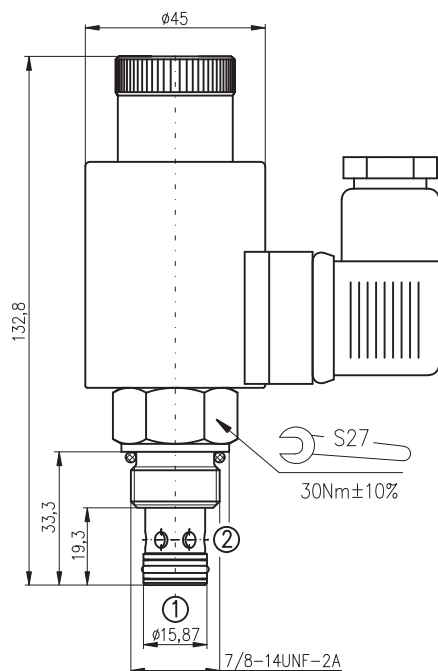
When de-energized, the EV10-2K allows flow in both directions.
When energized, the valve's spool shifts to close the bidirectional flow path.

RATINGS

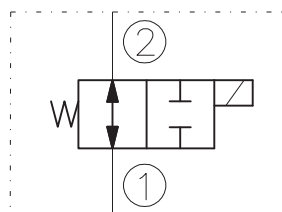
Operating Pressure: 210bar
Flow: See Performance Chart.
Internal Leakage: 82 cc/minute max. at 210bar
Temperature: -20°C to 90°C with standard Buna N seals
Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
Minimum Pull-in Voltage: 85% of nominal at 210bar
Filtration: Recommended 25 μ m 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

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV10-2KH

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

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.

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 25µm nominal or better

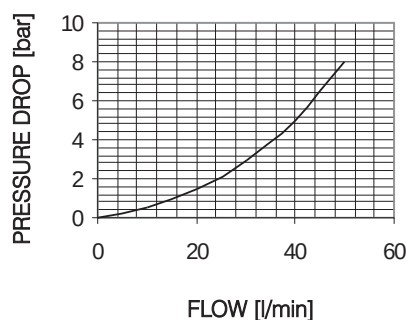
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

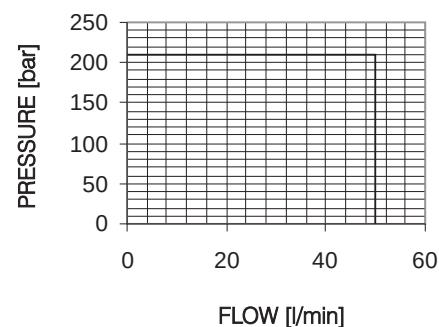
Cavity: CC10-2 ; See "CAVITIES AND BODIES" brochure

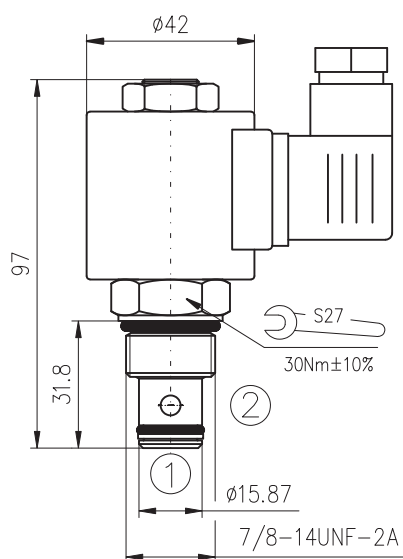
PERFORMANCE (Cartridge Only)

De-energized
32cSt oil at 40°C

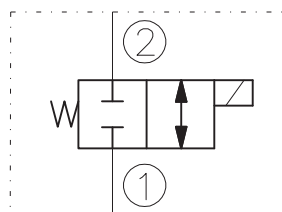


1 to 2 and 2 to 1
32cSt oil at 40°C





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV10-2L

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

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.

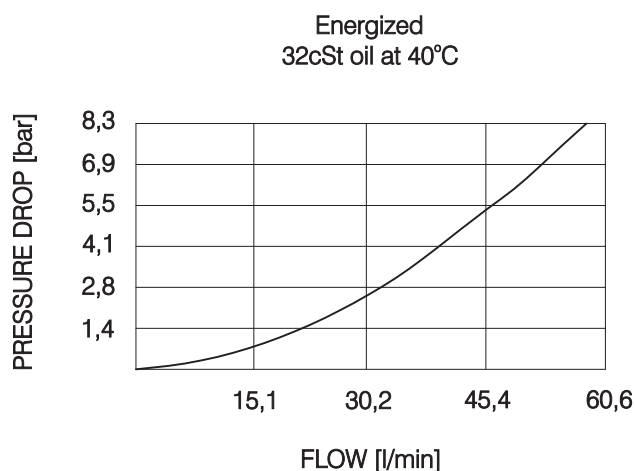
OPERATION

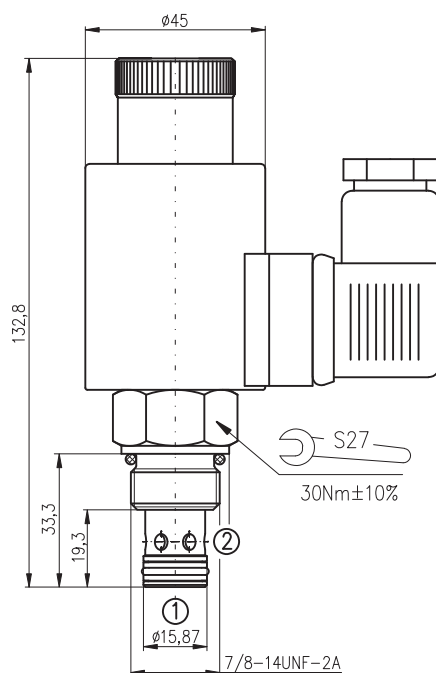
When de-energized, the EV10-2L blocks flow in both directions.
When energized, the valve's spool shifts to open the bidirectional flow path.

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 25 μ m 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

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.

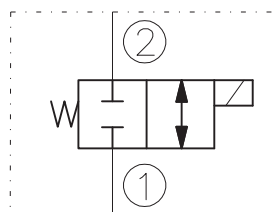
OPERATION

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

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 25 μ m 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

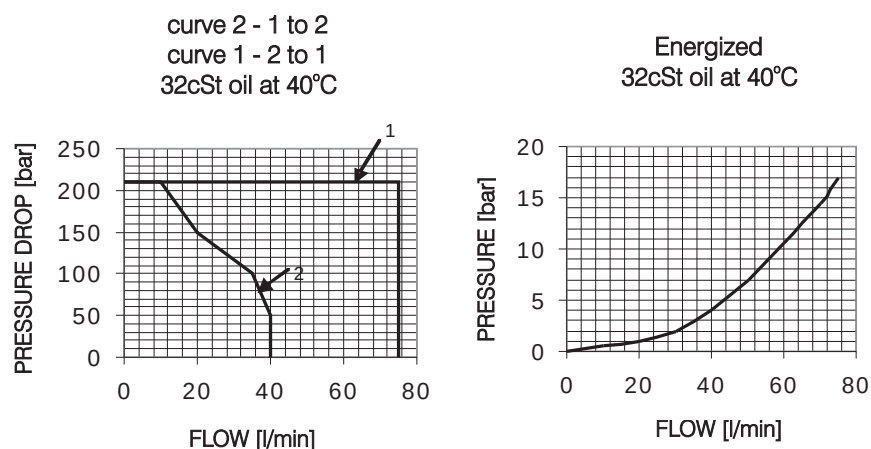
TO ORDER

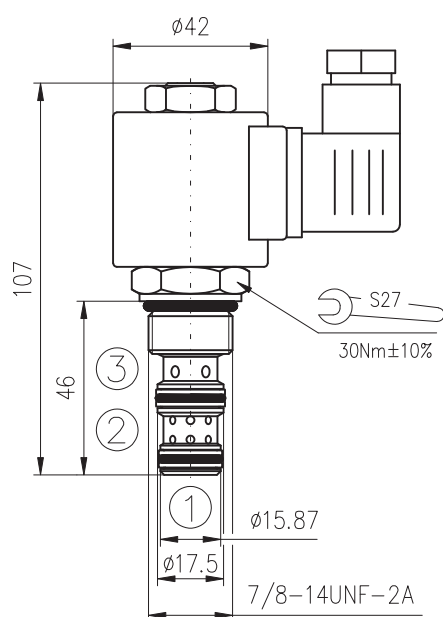
EV10-2LH

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

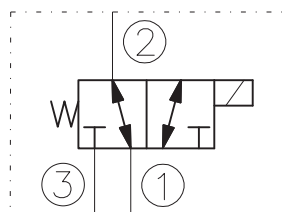
Terminations DIN 43650.
 See "Accessories" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

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

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

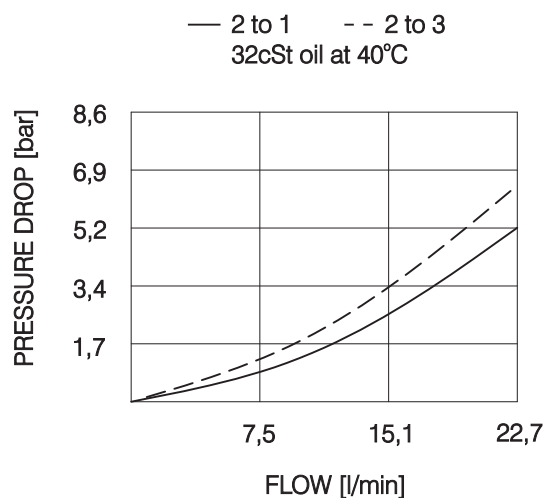
Filtration: Recommended 25µm nominal or better

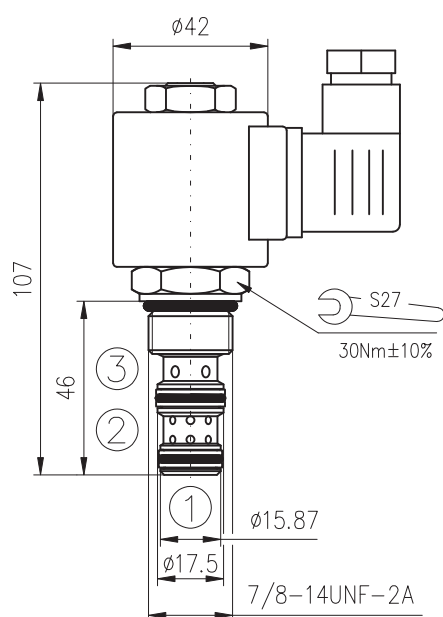
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

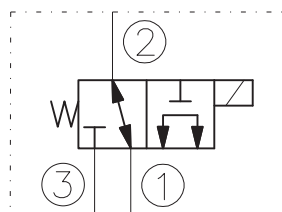
Cavity: CC10-3 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV10-3C

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

DESCRIPTION

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

OPERATION

When de-energized, the EV10-3C 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: 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

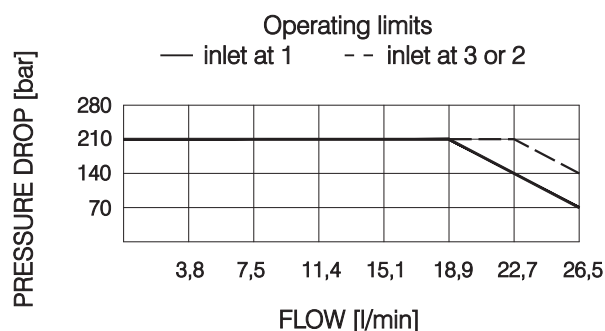
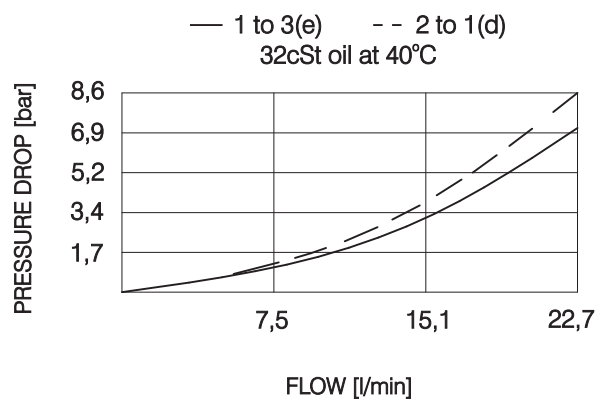
Filtration: Recommended 25µm nominal or better

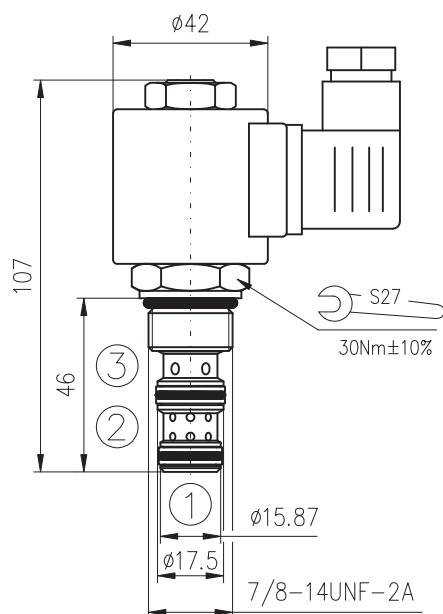
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

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

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

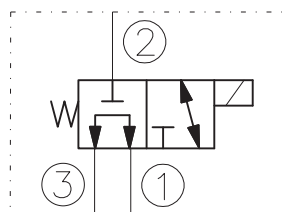
Filtration: Recommended $25\mu m$ nominal or better

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

Voltage

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

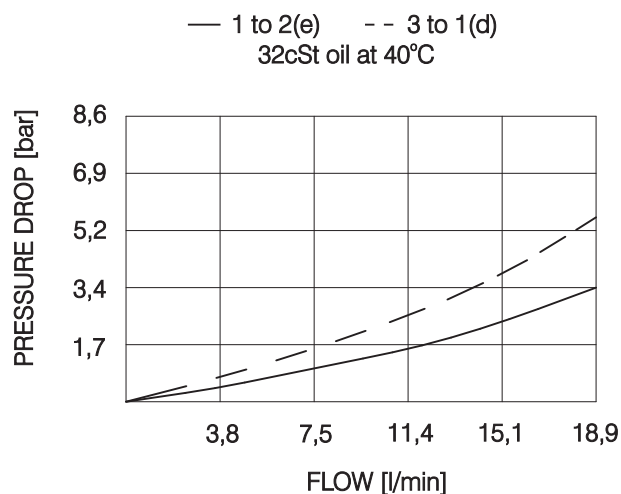
Seals

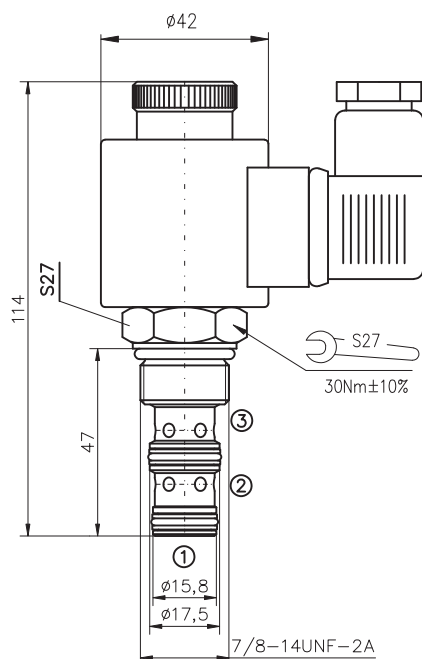
N - Buna N
V - Viton A

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 EV10-3MF 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

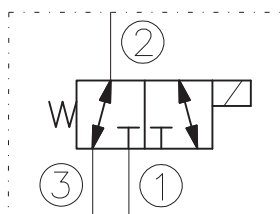
Filtration: Recommended 25 μ m nominal or better

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

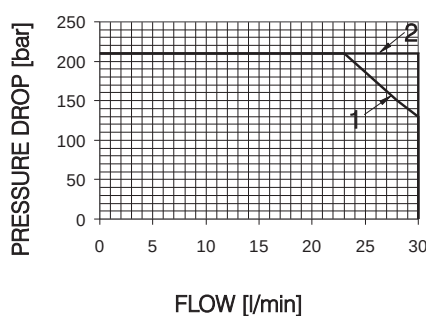
N - Buna N
V - Viton A

Terminations DIN 43650.

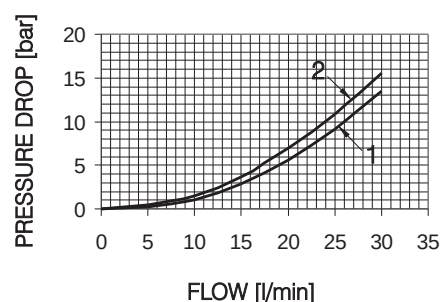
See "Accessories" brochure

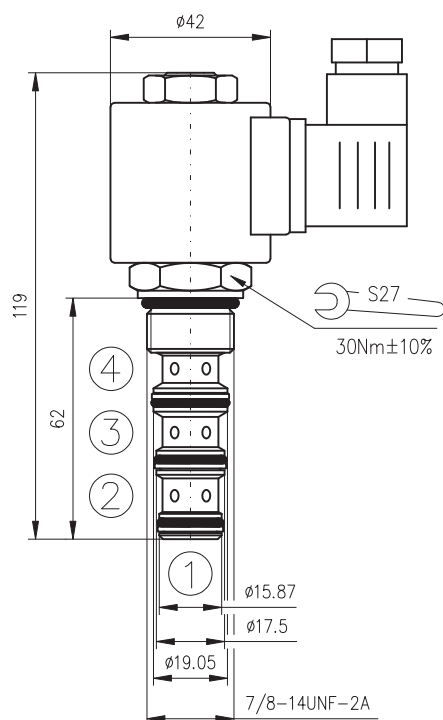
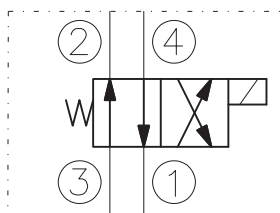
PERFORMANCE (Cartridge Only)

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



**SYMBOL****CAVITY**

See "CAVITIES AND BODIES" brochure

TO ORDER

EV10-4A

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

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

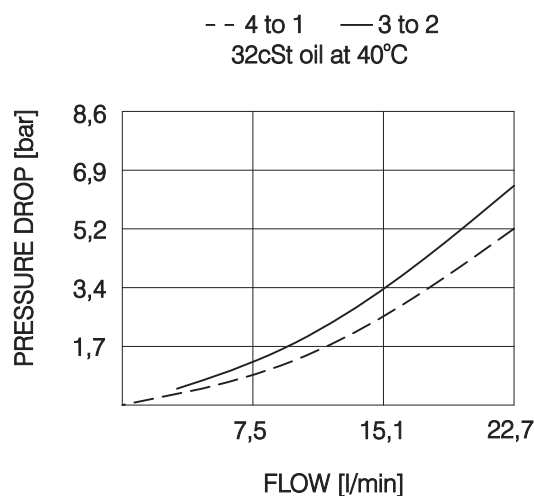
Minimum Pull-in Voltage: 85% of nominal at 210bar

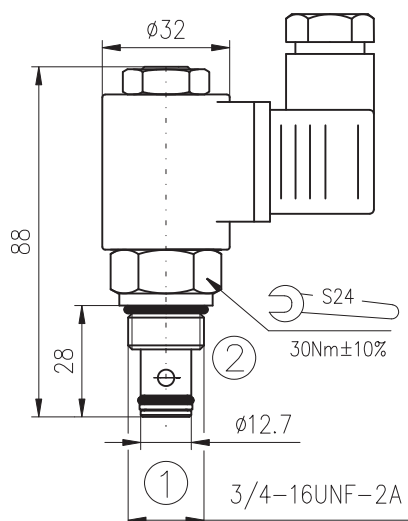
Filtration: Recommended 25µm nominal or better

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

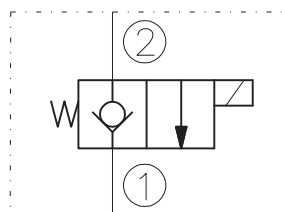
Installation: No restrictions

Cavity: CC10-4 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)



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

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 lift 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

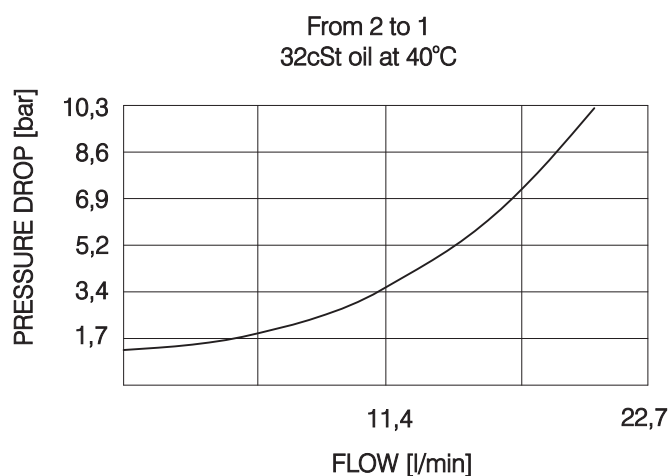
Filtration: Recommended 25µm nominal or better

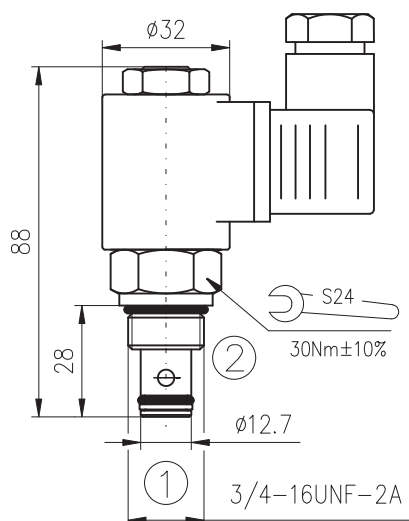
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

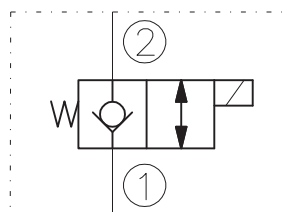
Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV56-2E

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

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

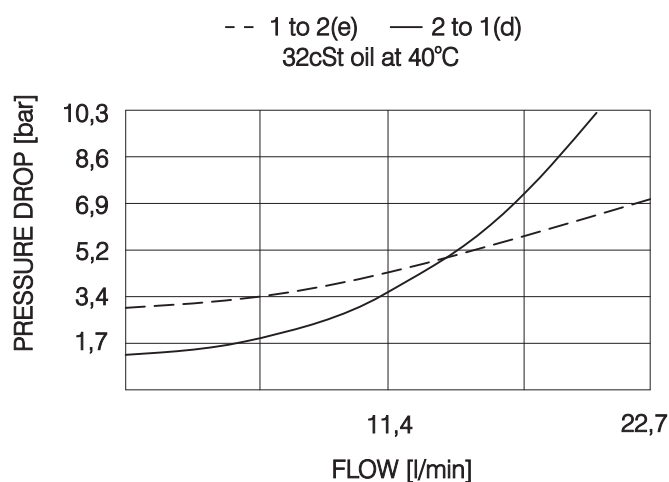
Filtration: Recommended 25µm nominal or better

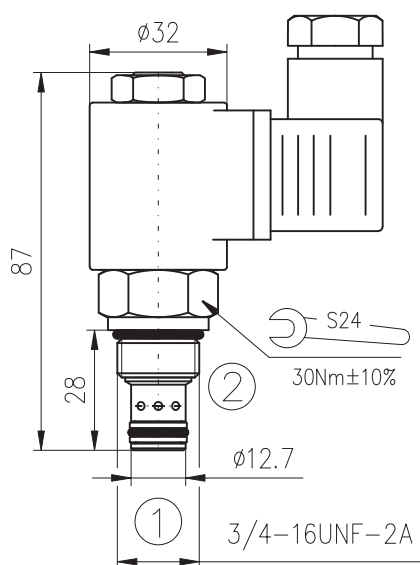
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

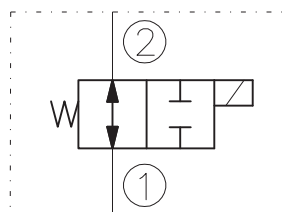
Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV56-2K

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

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

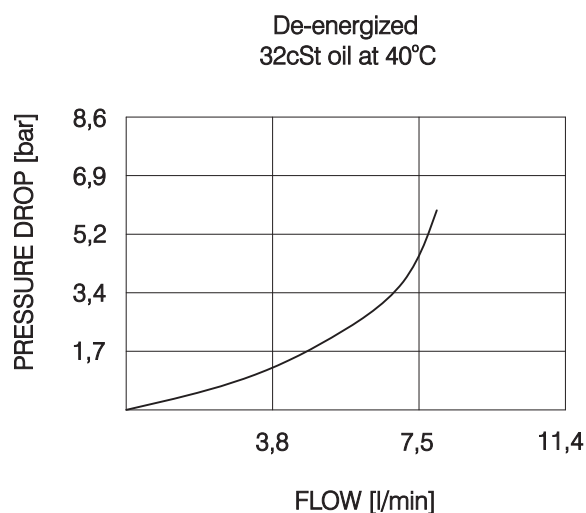
Filtration: Recommended 25 μ m nominal or better

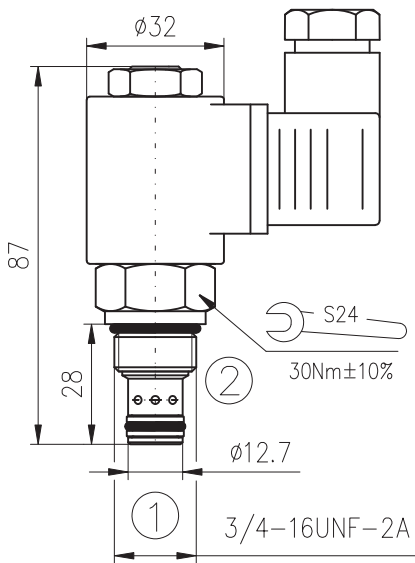
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

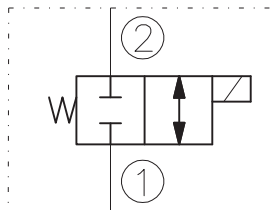
Cavity: CC06-2 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV56-2L

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.

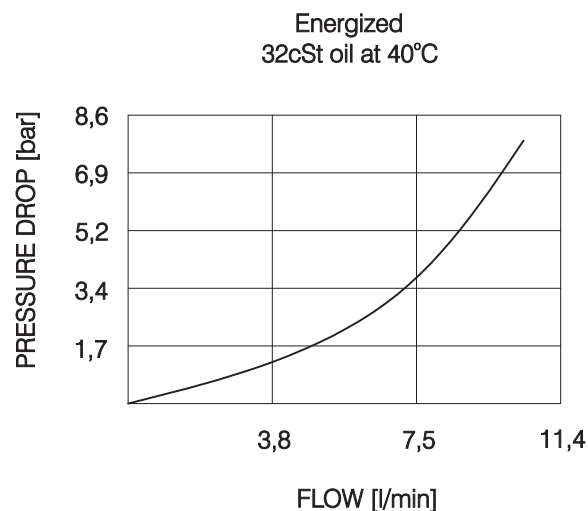
OPERATION

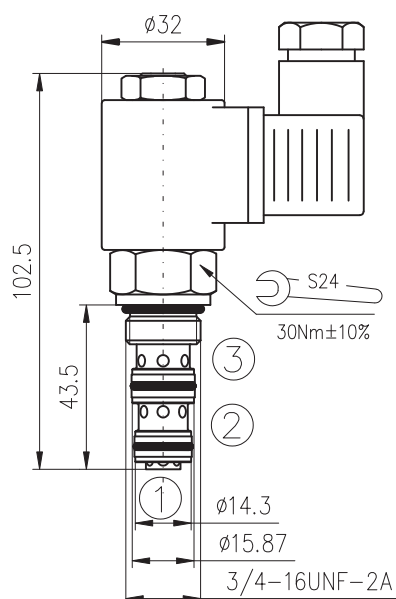
When de-energized, the EV56-2L blocks flow in both directions.
When energized, the valve's spool shifts to open the bidirectional flow path.

RATINGS

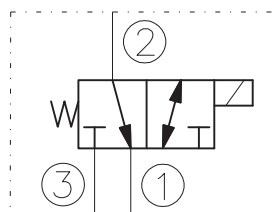
Operating Pressure: 200bar
Flow: 10 l/min max.
Internal Leakage: 82 cc/minute max. at 200bar
Temperature: -20°C to 90°C with standard Buna N seals
Coil Duty Rating: Continuous from 85% to 115% of nominal voltage
Minimum Pull-in Voltage: 85% of nominal at 200bar
Filtration: Recommended 25 μ m nominal 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)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV58-3A

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

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

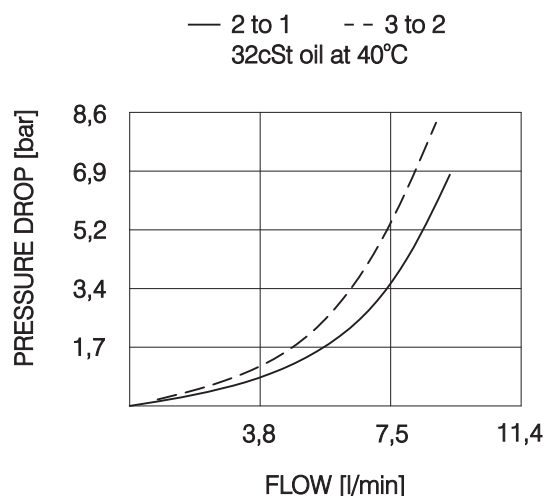
Filtration: Recommended 25 μm nominal or better

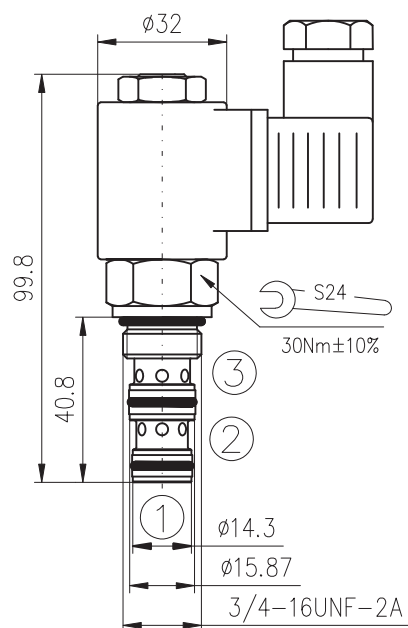
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

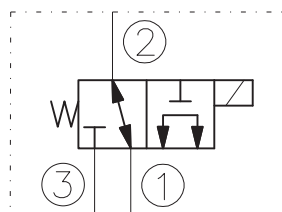
Cavity: CC08-3A ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV58-3C

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

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

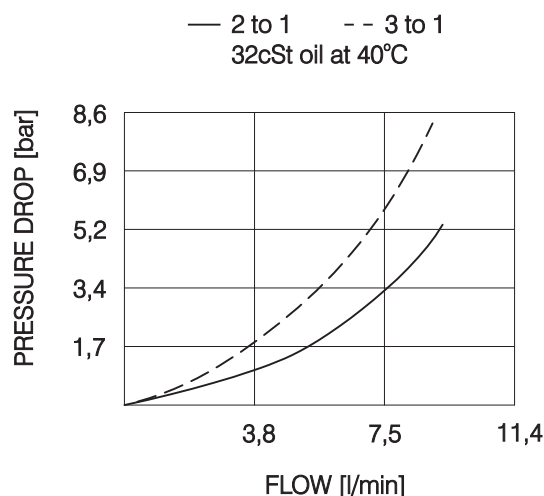
Filtration: Recommended 25 μm nominal or better

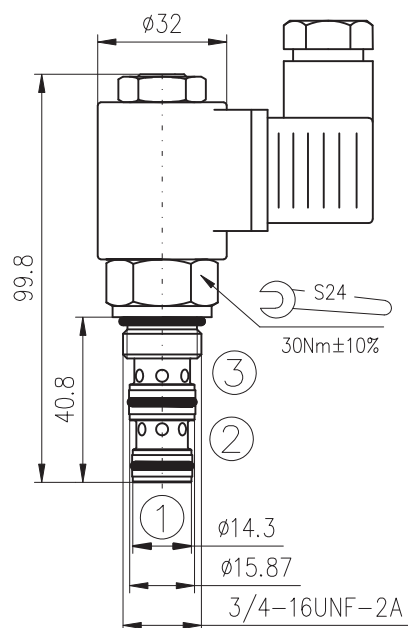
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

Installation: No restrictions

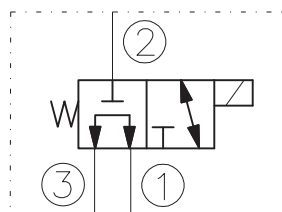
Cavity: CC08-3 ; See "CAVITIES AND BODIES" brochure

PERFORMANCE (Cartridge Only)





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV58-3D

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

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 25 μ m nominal or better

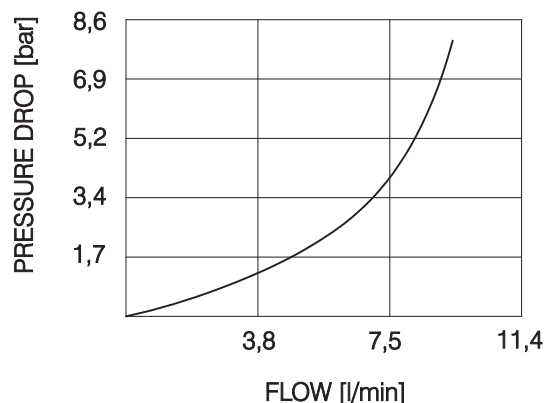
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7,4 to 420 cSt

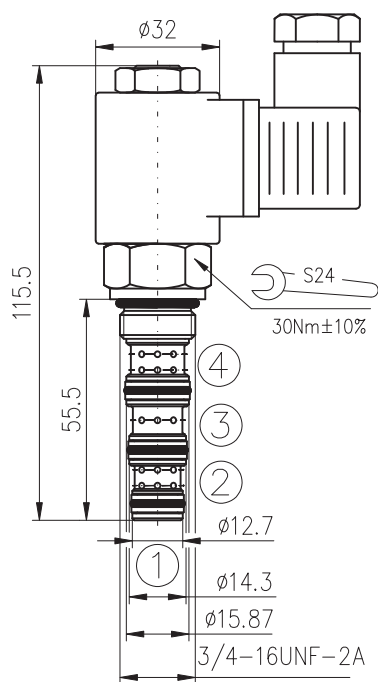
Installation: No restrictions

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

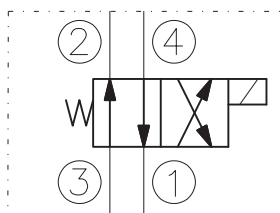
PERFORMANCE (Cartridge Only)

3 to 1
32cSt oil at 40°C





SYMBOL



CAVITY

See "CAVITIES AND BODIES" brochure

TO ORDER

EV58-4A

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

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

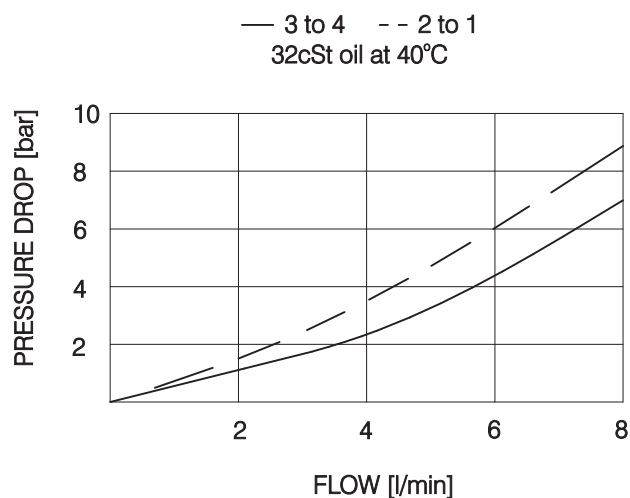
Filtration: Recommended $25\mu\text{m}$ nominal or better

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

PERFORMANCE (Cartridge Only)



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