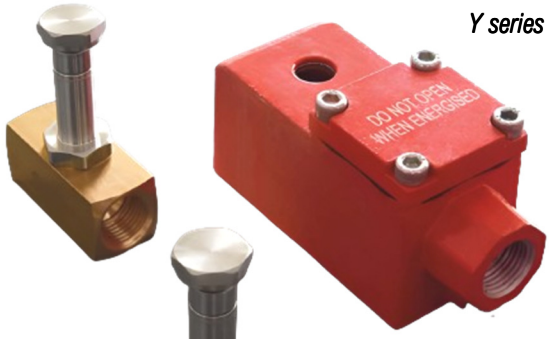
V-FLOW SOLUTIONS LTD

02A 2/2 way Normally Closed Direct Acting ATEX Solenoid Valve

02A 3/8" - 1/2" 2/2 NC



Y series coil

02A 1/4" 2/2 NC

Construction:

Body: Brass CW617N

Armature Tube: Stainless Steel

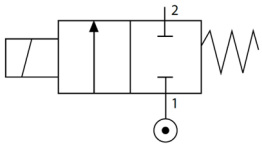
Seals: NBR –10°C, NBR –40°C, EPDM, FKM, PTFE

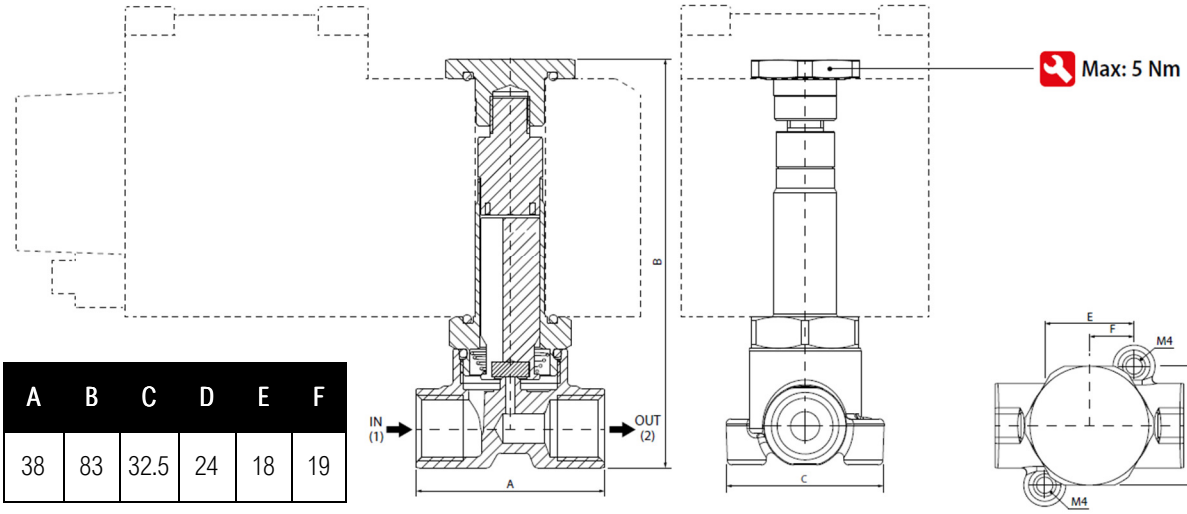
Fixed and Mobile Core: Stainless Steel AISI 430FR

Springs: Stainless Steel

Valve: ATEX II 2G/D Ex h certified

Coil: ATEX II 2G/D Ex d / Ex tb certified





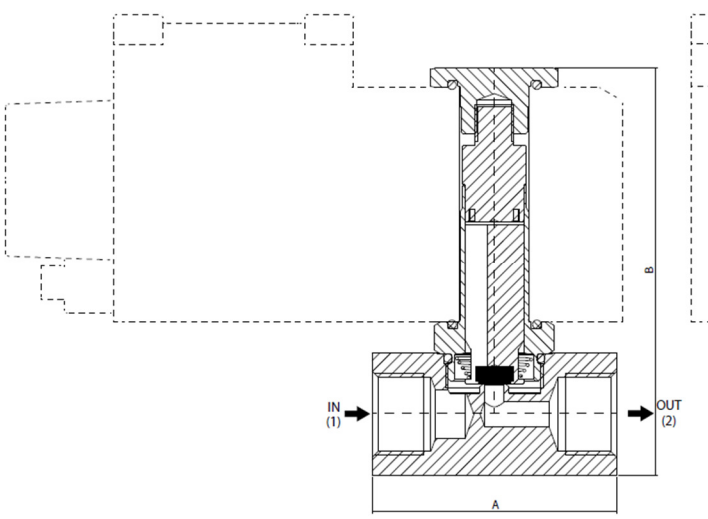
A	B	C	D	E	F
38	83	32.5	24	18	19

Code	Seal	Port Size	Orifice	Viscosity	Kv	Differential Pressure (OPD)			Power		Coils	
Example: 02A 03 1 01 **N** 0		ISO228	mm	cSt	m^3/h	Bar			DC	AC	Size	Series
						Min	Max DC	Max AC	W	VA	mm	
02A 03 1 01 _ 0	**N** = NBR –10°C +90°C	1/4"	1	25	0.04	0	100	100	8	12	50	**YA** 12V DC **YB** 24V AC/DC **Y2** 110V/120V AC/DC **Y3** 220V/240V AC DC
02A 03 1 15 _ 0			1.5	25	0.06	0	50	50	8	12	50	
02A 03 1 02 _ 0	**F** = NBR –40°C +90°C		2	37	0.10	0	35	35	8	12	50	
02A 03 1 25 _ 0	**V** = FKM –10°C +140°C		2.5	53	0.15	0	21	21	8	12	50	
02A 03 1 03 _ 0			3	53	0.21	0	10	10	8	12	50	
02A 03 1 04 _ 0	**E** = EPDM –10°C +140°C		4	53	0.35	0	3	3	8	12	50	
02A 03 1 05 _ 0	**P** = PTFE –40°C +180°C		5	53	0.51	0	1.4	1.4	8	12	50	
02A 03 1 64 _ 0			6.4	53	0.65	0	1	1	8	12	50	

Expected leakage for PTFE seals in certain conditions = max 300 cm^3/h (consult supplier for further information)

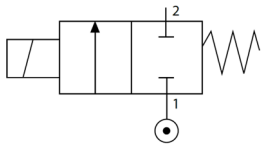
Steam applications: EPDM Max Pressure = 2.5 bar / PTFE Max Pressure = 10 bar

V-FLOW SOLUTIONS LTD



Max: 5 Nm

ATEX



Size	A	B	C	D	E	F
3/8”	50	84	25	16	16	8
1/2”	58	84	25	16	16	8

Code	Seal	Port Size ISO228	Orifice	Viscosity	Kv	Differential Pressure (OPD)			Power		Coils	
Example: 02A 04 1 03 **N** 0		ISO228	mm	cSt	m³/h	Bar			DC	AC	Size	Series
						Min	Max DC	Max AC	W	VA	mm	
02A 04 1 03 _ 0	**N** = NBR –10°C +90°C	3/8”	3	53	0.21	0	10	10	8	12	50	
02A 04 1 04 _ 0			4	53	0.35	0	3	3	8	12	50	**YA** 12V DC
02A 04 1 04 _ 0	**F** = NBR –40°C +90°C		5	53	0.51	0	1.4	1.4	8	12	50	**YB** 24V AC/DC
02A 04 1 64 _ 0	**V** = FKM –10°C +140°C		6.4	53	0.65	0	1	1	8	12	50	
02A 05 1 03 _ 0		1/2”	3	53	0.21	0	10	10	8	12	50	**Y2** 110V/120V AC/DC
02A 05 1 04 _ 0	**E** = EPDM –10° C +140°C		4	53	0.35	0	3	3	8	12	50	
02A 05 1 05 _ 0	**P** = PTFE –40°C +180°C		5	53	0.51	0	1.4	1.4	8	12	50	**Y3** 220V/240V AC DC
02A 05 1 64 _ 0			6.4	53	0.65	0	1	1	8	12	50	

Expected leakage for PTFE seals in certain conditions = max 300 cm³/h (consult supplier for further information)
Steam applications: EPDM Max Pressure = 2.5 bar / PTFE Max Pressure = 10 bar

Y Series Coil

Information:

Bore Size: 14mm

ED: 100%

Aluminium Case (Stainless Steel on request)

Integrated terminal block

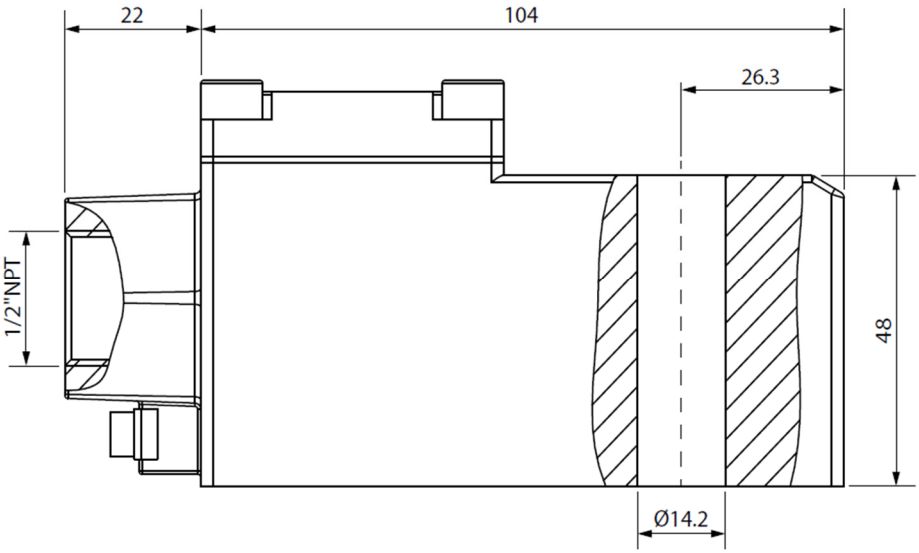
Horizontal cable entry

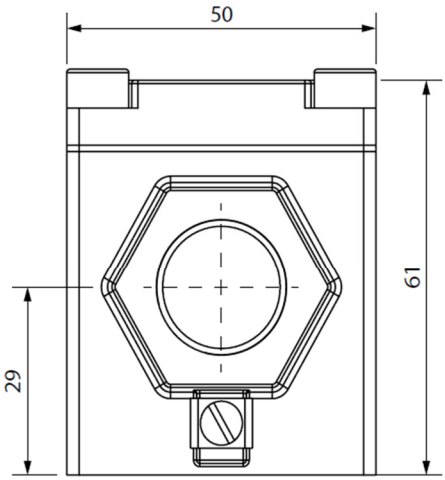
Surge suppressor

Double Gasket

Installation in potentially explosive atmospheres and extreme environmental conditions.

ATEX II 2GD
Ex d IIC T6 / t5 / T4 Gb IP66
Ex tb IIIC T85°C / T100°C / T135°C Db IP66
CESI 03 ATEX 344/02
Tamb –40°C ÷ +35°C(T6) / +50°C (T5) / +60°C(T4)





Reference	Code	Voltage	Function	Voltage Tolerance
YA	SOLY0012C5000	12V	8 W	±10%
YB	SOLY0024C5000	24V AC/DC	8 W	±10%
Y2	SOLY0110C5000	110V/120V AC/DC	8 W	±10%
Y3	SOLY0220C5000	220V/240 AC/DC	8 W	±10%

V-FLOW SOLUTIONS LTD

X2A 2/2 way Normally Closed Direct Acting ATEX Stainless Steel Solenoid Valve

X2A 1/4" 2/2 NC

Y series coil

Construction:

Body: Stainless Steel AISI 316L

Armature Tube: Stainless Steel AISI 316L

Seals: NBR –10°C, NBR –40°C, EPDM, FKM, PTFE

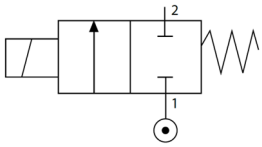
Fixed and Mobile Core: Stainless Steel AISI 430FR

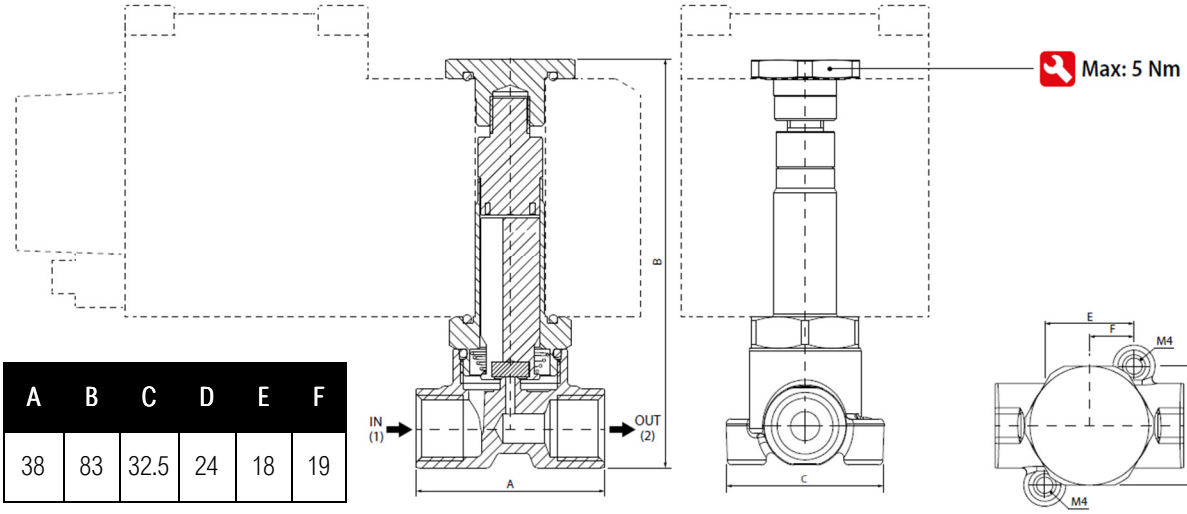
Springs: Stainless Steel

Shading Ring: Copper

Valve: ATEX II 2G/D Ex h certified

Coil: ATEX II 2G/D Ex d / Ex tb certified





A	B	C	D	E	F
38	83	32.5	24	18	19

Code	Seal	Port Size	Orifice	Viscosity	Kv	Differential Pressure (OPD)			Power		Coils	
Example: X2A 03 1 05 **N** 0		ISO228	mm	cSt	m^3/h	Bar			DC	AC	Size	Series
						Min	Max DC	Max AC	W	VA	mm	
X2A 03 1 15 _ 0	**N** = NBR –10°C +90°C	1/4"	1.5	25	0.06	0	50	50	8	12	50	**YA** 12V DC
X2A 03 1 02 _ 0	**F** = NBR –40°C +90°C		2	37	0.10	0	35	35	8	12	50	**YB** 24V AC/DC
X2A 03 1 25 _ 0	**V** = FKM –10°C +140°C		2.5	53	0.15	0	21	21	8	12	50	
X2A 03 1 03 _ 0	**E** = EPDM –10°C +140°C		3	53	0.21	0	10	10	8	12	50	**Y2** 110V/120V AC/DC
X2A 03 1 04 _ 0	**P** = PTFE –40°C +180°C		4	53	0.35	0	3	3	8	12	50	
X2A 03 1 05 _ 0			5	53	0.51	0	1.4	1.4	8	12	50	**Y3** 220V/240V AC DC

Expected leakage for PTFE seals in certain conditions = max 300 cm^3/h (consult supplier for further information)
Steam applications: EPDM Max Pressure = 2.5 bar / PTFE Max Pressure = 10 bar

Y Series Coil

Information:

Bore Size: 14mm

ED: 100%

Aluminium Case (Stainless Steel on request)

Integrated terminal block

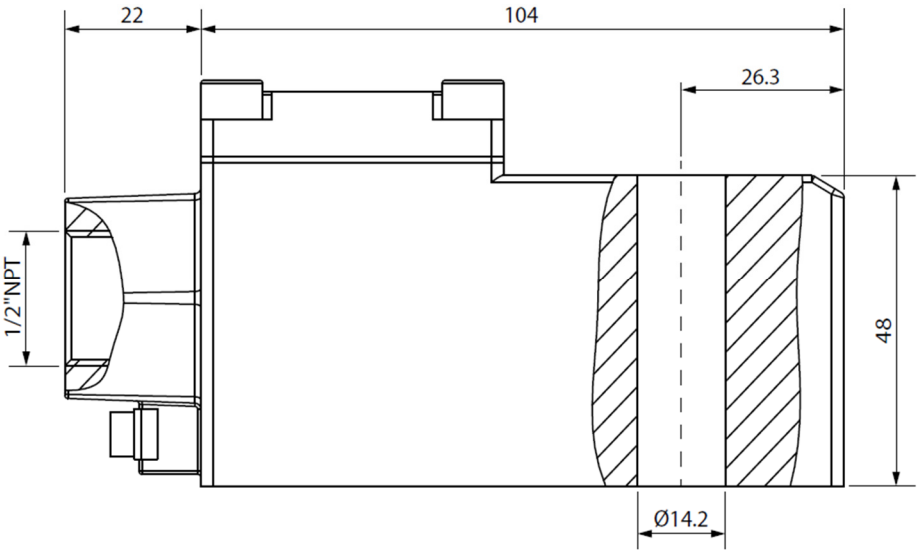
Horizontal cable entry

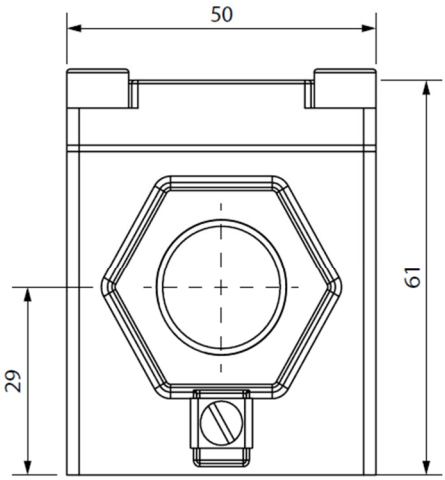
Surge suppressor

Double Gasket

Installation in potentially explosive atmospheres and extreme environmental conditions.

ATEX II 2GD
Ex d IIC T6 / t5 / T4 Gb IP66
Ex tb IIIC T85°C / T100°C / T135°C Db IP66
CESI 03 ATEX 344/02
Tamb –40°C ÷ +35°C(T6) / +50°C (T5) / +60°C(T4)





Reference	Code	Voltage	Function	Voltage Tolerance
YA	SOLY0012C5000	12V	8 W	±10%
YB	SOLY0024C5000	24V AC/DC	8 W	±10%
Y2	SOLY0110C5000	110V/120V AC/DC	8 W	±10%
Y3	SOLY0220C5000	220V/240 AC/DC	8 W	±10%

V-FLOW SOLUTIONS LTD

K2A 2/2 way Normally Closed Direct Acting ATEX Stainless Steel Solenoid Valve

Y series coil

K2A 3/8" - 1/2" 2/2 NC

Construction:

Body: Stainless Steel AISI 316L

Armature Tube: Stainless Steel AISI 316L

Seals: NBR –10°C, NBR –40°C, EPDM, FKM, PTFE

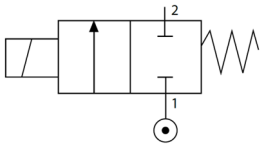
Fixed and Mobile Core: Stainless Steel AISI 430FR

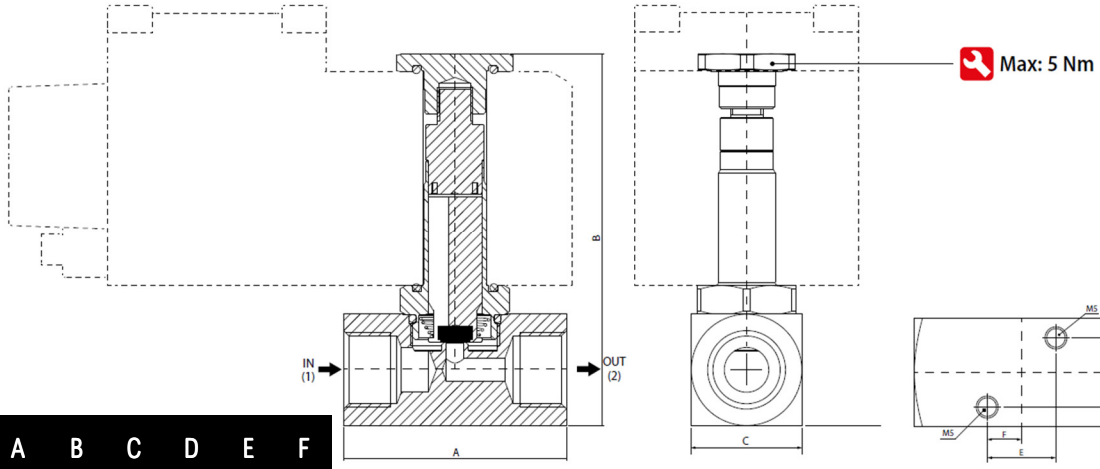
Springs: Stainless Steel

Shading Ring: Copper

Valve: ATEX II 2G/D Ex h certified

Coil: ATEX II 2G/D Ex d / Ex tb certified





Size	A	B	C	D	E	F
3/8"	50	84	25	16	16	8
1/2"	58	84	25	16	16	8

Code	Seal	Port Size	Orifice	Viscosity	Kv	Differential Pressure (OPD)			Power		Coils	
Example: K2A 04 1 03 **N** 0		ISO228	mm	cSt	m³/h	Bar			DC	AC	Size	Series
						Min	Max DC	Max AC	W	VA	mm	
K2A 04 1 03 _ 0	**N** = NBR –10°C +90°C	3/8"	3	53	0.21	0	10	10	8	12	50	**YA** 12V DC
K2A 04 1 04 _ 0	**F** = NBR –40°C +90°C		4	53	0.35	0	3	3	8	12	50	**YB** 24V AC/DC
K2A 04 1 05 _ 0	**V** = FKM –10°C +140°C		5	53	0.51	0	1.4	1.4	8	12	50	
K2A 05 1 03 _ 0	**E** = EPDM –10°C +140°C	1/2"	3	53	0.21	0	10	10	8	12	50	**Y2** 110V/120V AC/DC
K2A 05 1 04 _ 0	**P** = PTFE –40°C +180°C		4	53	0.35	0	3	3	8	12	50	
K2A 05 1 05 _ 0			5	53	0.51	0	1.4	1.4	8	12	50	**Y3** 220V/240V AC DC

Expected leakage for PTFE seals in certain conditions = max 300 cm³/h (consult supplier for further information)

Steam applications: EPDM Max Pressure = 2.5 bar / PTFE Max Pressure = 10 bar

Y Series Coil

Information:

Bore Size: 14mm

ED: 100%

Aluminium Case (Stainless Steel on request)

Integrated terminal block

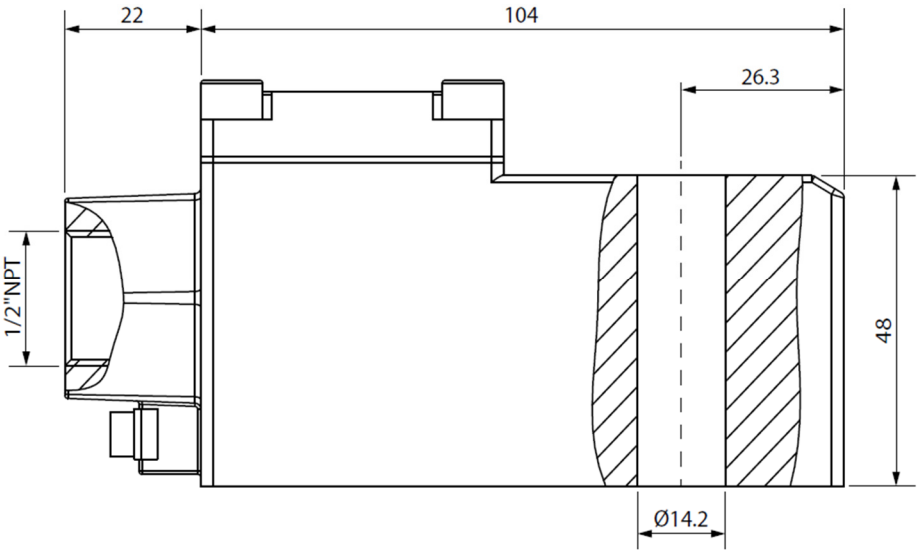
Horizontal cable entry

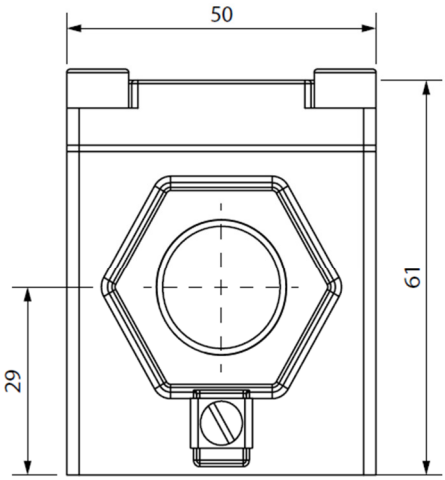
Surge suppressor

Double Gasket

Installation in potentially explosive atmospheres and extreme environmental conditions.

ATEX II 2GD
Ex d IIC T6 / t5 / T4 Gb IP66
Ex tb IIIC T85°C / T100°C / T135°C Db IP66
CESI 03 ATEX 344/02
Tamb –40°C ÷ +35°C(T6) / +50°C (T5) / +60°C(T4)



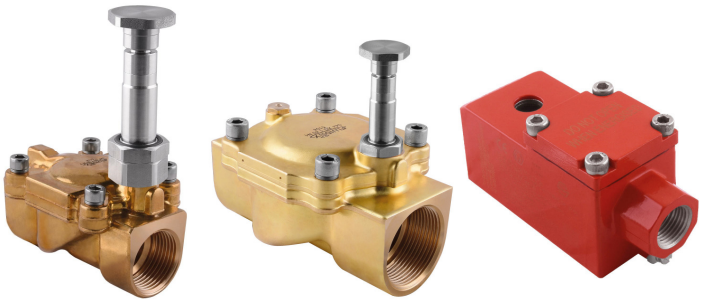


Reference	Code	Voltage	Function	Voltage Tolerance
YA	SOLY0012C5000	12V	8 W	±10%
YB	SOLY0024C5000	24V AC/DC	8 W	±10%
Y2	SOLY0110C5000	110V/120V AC/DC	8 W	±10%
Y3	SOLY0220C5000	220V/240 AC/DC	8 W	±10%

V-FLOW SOLUTIONS LTD

04A 2/2 way Normally Closed Pilot Operated ATEX Solenoid Valve

04A 1/4" -> 1" 2/2 NC 04A 1"1/4 -> 2" 2/2 NC Y series coil



Construction:

Body: Brass CW617N

Armature Tube: Stainless Steel

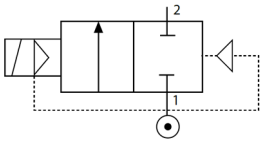
Seals: NBR, EPDM, FKM

Fixed and Mobile Core: Stainless Steel AISI 430FR

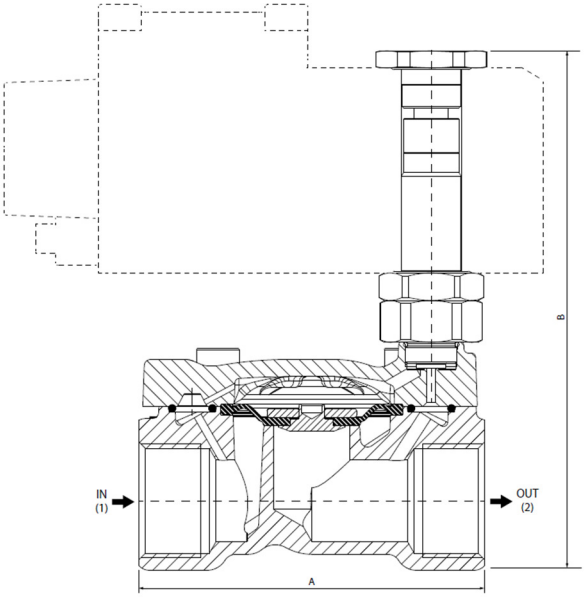
Springs: Stainless Steel

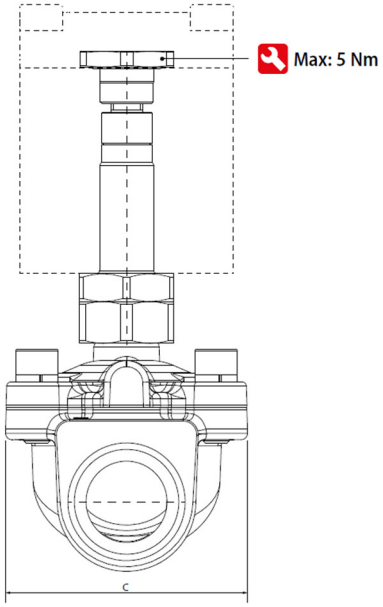
Valve: ATEX II 2G/D Ex h certified

Coil: ATEX II 2G/D Ex d / Ex tb certified



Size	A	B	C
1/4"	55.5	103.5	35.2
3/8"	65.3	111.1	46.4
1/2"	65.3	111.1	46.4
3/4"	1	121.9	56.7
1"	5	128	65



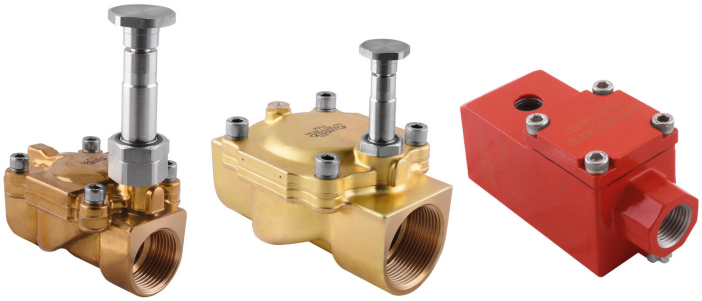


Code	Seal	Port Size	Orifice	Viscosity	Kv	Differential Pressure (OPD)			Power		Coils	
Example: 04A 03 1 10 **N** H		ISO228	mm	cSt	m³/h	Bar			DC	AC	Size	Series
						Min	Max DC	Max AC	W	VA	mm	
04A 03 1 10 _ H	**N** = NBR –10°C +90°C	1/4"	10	25	1.88	0.15	20	20	8	12	50	**YA** 12V DC
04A 04 1 14 _ H		3/8"	14	25	3.32	0.15	20	20	8	12	50	**YB** 24V AC/DC
04A 05 1 14 _ H	**V** = FKM –10°C +140°C	1/2"	14	25	3.53	0.15	20	20	8	12	50	**Y2** 110V/120V AC/DC
04A 07 1 18 _ H		3/4"	18	25	5.56	0.15	20	20	8	12	50	**Y3** 220V/240V AC DC
04A 09 1 25 _ H	**E** = EPDM –10°C +140°C	1"	25	25	10.97	0.15	20	20	8	12	50	

Steam applications: EPDM Max Pressure = 2.5 bar

04A 2/2 way Normally Closed Pilot Operated ATEX Solenoid Valve

04A 1/4" -> 1" 2/2 NC 04A 1"1/4 -> 2" 2/2 NC Y series coil



Construction:

Body: Brass CW617N

Armature Tube: Stainless Steel

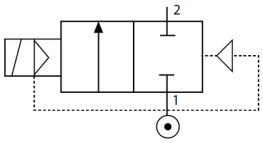
Seals: NBR, EPDM, FKM

Fixed and Mobile Core: Stainless Steel AISI 430FR

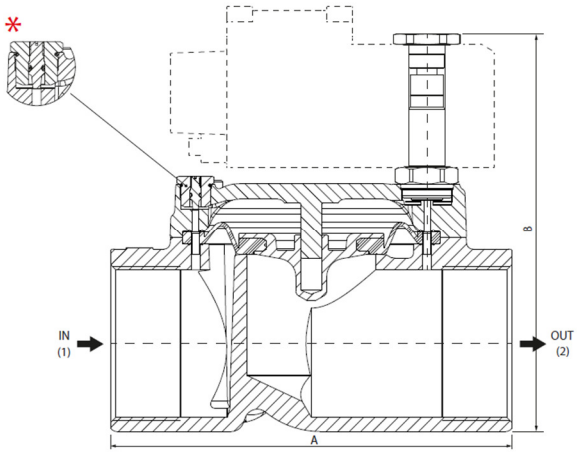
Springs: Stainless Steel

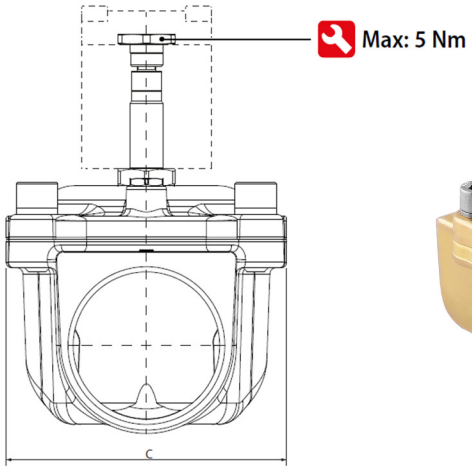
Valve: ATEX II 2G/D Ex h certified

Coil: ATEX II 2G/D Ex d / Ex tb certified



Size	A	B	C
1"1/4	140	135	98
1"1/2	140	135	98
2"	156	135	109





Code	Seal	Port Size	Orifice	Viscosity	Kv	Differential Pressure (OPD)			Power		Coils	
Example: 04A XF 1 40 **N** 0		ISO228	mm	cSt	m³/h	Bar			DC	AC	Size	Series
						Min	Max DC	Max AC	W	VA	mm	
04A XF 1 40 _ 0	**N** = NBR –10°C +90°C	1"1/4	40	25	24	0.20	10	10	8	12	50	**YA** 12V DC **YB** 24V AC/DC **Y2** 110V/120V AC/DC **Y3** 220V/240V AC DC
04A XG 1 40 _ 0	**V** = FKM –10°C +140°C	1"1/2	40	25	25.3	0.20	10	10	8	12	50	
04A XH 1 50 _ 0	**E** = EPDM –10°C +140°C	2"	50	25	0.20	0.20	10	10	8	12	50	

Steam applications: EPDM Max Pressure = 2.5 bar

Y Series Coil

Information:

Bore Size: 14mm

ED: 100%

Aluminium Case (Stainless Steel on request)

Integrated terminal block

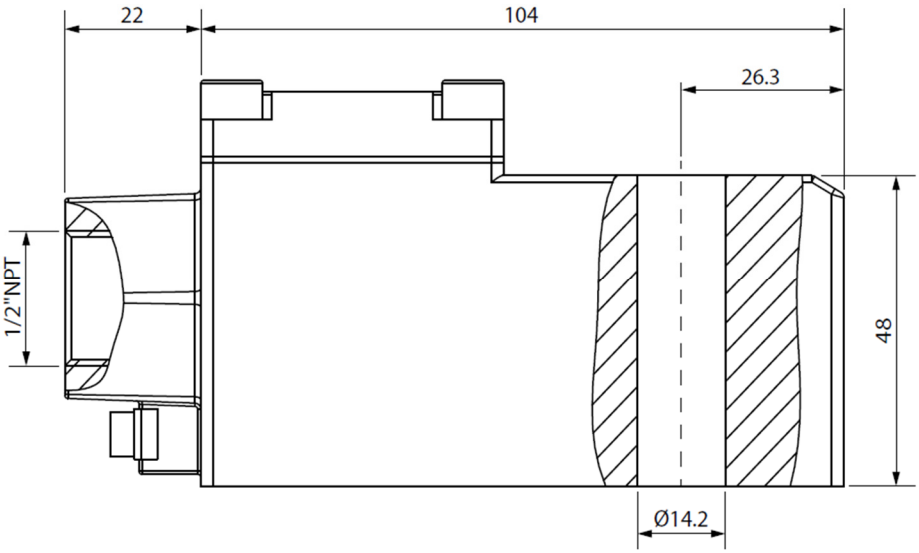
Horizontal cable entry

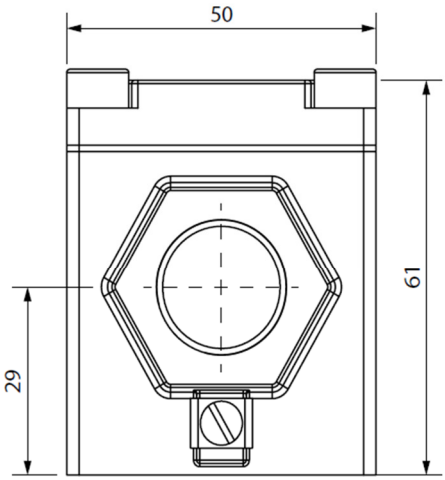
Surge suppressor

Double Gasket

Installation in potentially explosive atmospheres and extreme environmental conditions.

ATEX II 2GD
Ex d IIC T6 / t5 / T4 Gb IP66
Ex tb IIIC T85°C / T100°C / T135°C Db IP66
CESI 03 ATEX 344/02
Tamb –40°C ÷ +35°C(T6) / +50°C (T5) / +60°C(T4)





Reference	Code	Voltage	Function	Voltage Tolerance
YA	SOLY0012C5000	12V	8 W	±10%
YB	SOLY0024C5000	24V AC/DC	8 W	±10%
Y2	SOLY0110C5000	110V/120V AC/DC	8 W	±10%
Y3	SOLY0220C5000	220V/240 AC/DC	8 W	±10%

V-FLOW SOLUTIONS LTD

X4A 2/2 way Normally Closed Pilot Operated ATEX Solenoid Valve

Y series coil

X4A 1/4" -> 1" 2/2 NC

Construction:

Body: Stainless Steel AISI 316L

Armature Tube: Stainless Steel

Seals: NBR –10°C, NBR –40°C, EPDM, FKM, PTFE

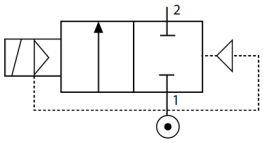
Fixed and Mobile Core: Stainless Steel AISI 430FR

Springs: Stainless Steel

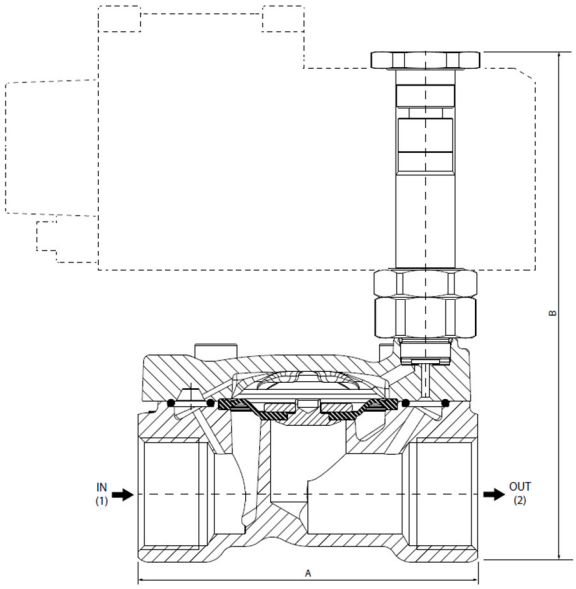
Shading Ring: Copper

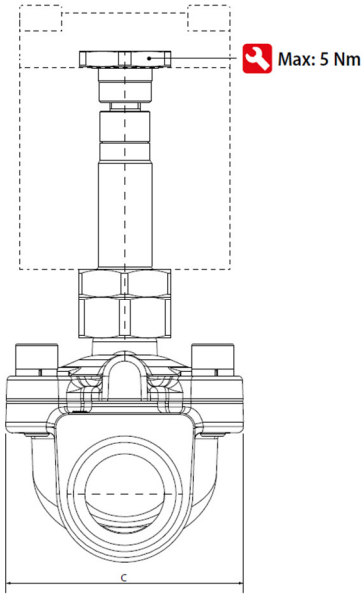
Valve: ATEX II 2G/D Ex h certified

Coil: ATEX II 2G/D Ex d / Ex tb certified



Size	A	B	C
1/4"	55.5	103.5	35.2
3/8"	65.3	111.1	46.4
1/2"	65.3	111.1	46.4
3/4"	1	121.9	56.7
1"	5	128	65





Code	Seal	Port Size	Orifice	Viscosity	Kv	Differential Pressure (OPD)			Power		Coils	
Example: 04A 03 1 10 **N** H		ISO228	mm	cSt	m^3/h	Bar			DC	AC	Size	Series
						Min	Max DC	Max AC	W	VA	mm	
X4A 03 1 10 _ H	**N** = NBR –10°C +90°C	1/4"	10	25	1.88	0.15	20	20	8	12	50	**YA** 12V DC
X4A 04 1 14 _ H		3/8"	14	25	3.32	0.15	20	20	8	12	50	**YB** 24V AC/DC
X4A 05 1 14 _ H	**V** = FKM –10°C +140°C	1/2"	14	25	3.53	0.15	20	20	8	12	50	**Y2** 110V/120V AC/DC
X4A 07 1 18 _ H		3/4"	18	25	5.56	0.15	20	20	8	12	50	**Y3** 220V/240V AC DC
X4A 09 1 25 _ H	**E** = EPDM –10°C +140°C	1"	25	25	10.97	0.15	20	20	8	12	50	

Steam applications: EPDM Max Pressure = 2.5 bar

Y Series Coil

Information:

Bore Size: 14mm

ED: 100%

Aluminium Case (Stainless Steel on request)

Integrated terminal block

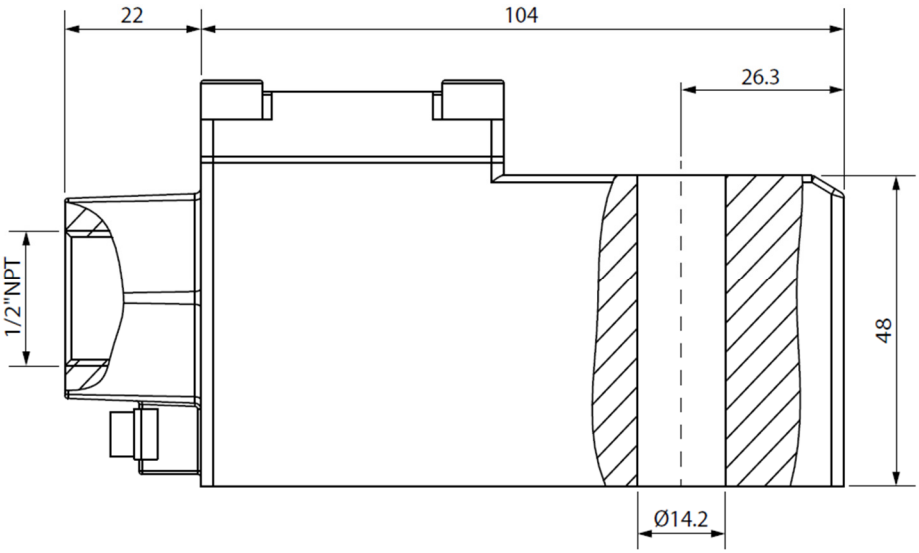
Horizontal cable entry

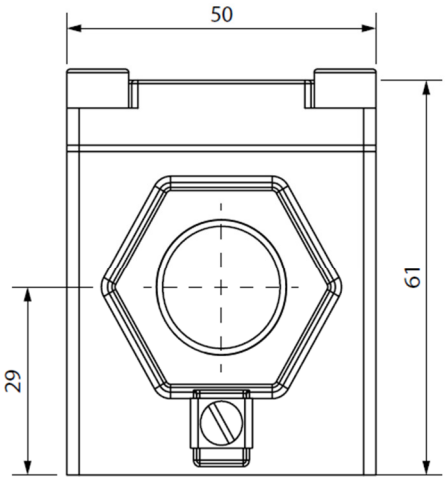
Surge suppressor

Double Gasket

Installation in potentially explosive atmospheres and extreme environmental conditions.

ATEX II 2GD
Ex d IIC T6 / t5 / T4 Gb IP66
Ex tb IIIC T85°C / T100°C / T135°C Db IP66
CESI 03 ATEX 344/02
Tamb –40°C ÷ +35°C(T6) / +50°C (T5) / +60°C(T4)





Reference	Code	Voltage	Function	Voltage Tolerance
YA	SOLY0012C5000	12V	8 W	±10%
YB	SOLY0024C5000	24V AC/DC	8 W	±10%
Y2	SOLY0110C5000	110V/120V AC/DC	8 W	±10%
Y3	SOLY0220C5000	220V/240 AC/DC	8 W	±10%