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

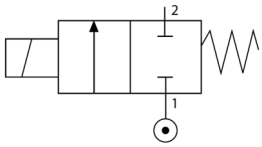
Fixed and Mobile Core: Stainless Steel AISI 430FR

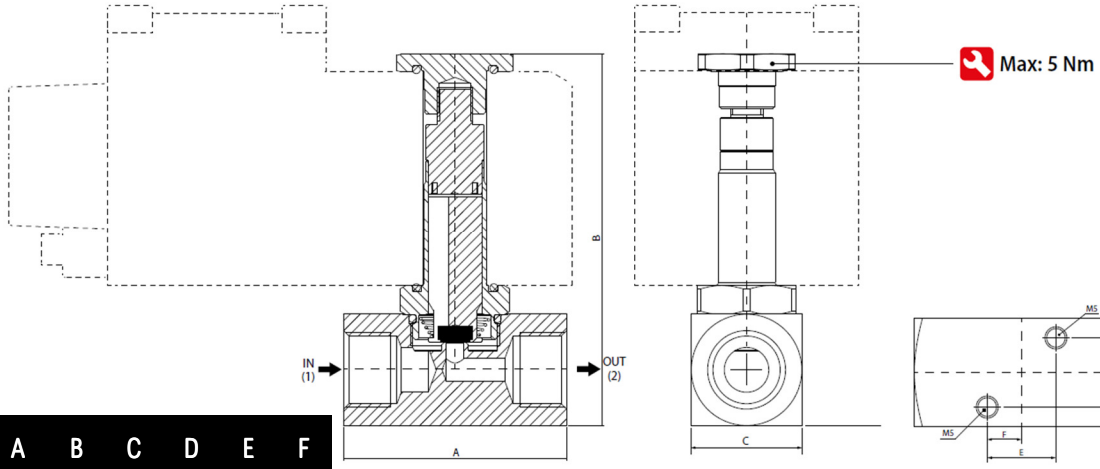
Springs: Stainless Steel

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

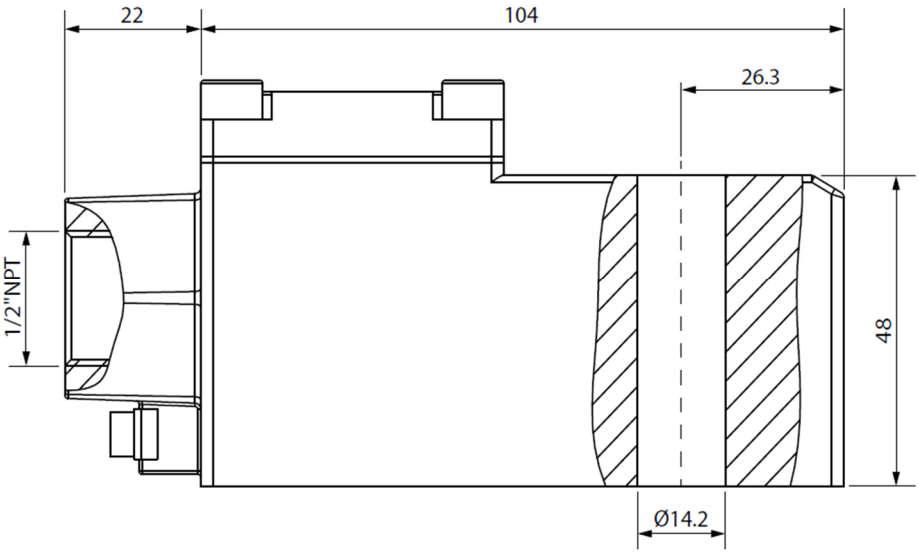
Horizontal cable entry

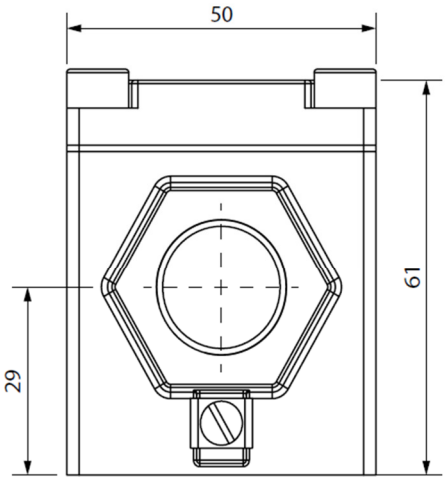
Surge suppressor

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%