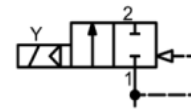


2/2 - way solenoid valve - combined operated, ATEX-certificate series SL024



normally closed

design	2/2-way solenoid valve with diaphragm, combined operated, normally closed
connection	G3/8" ... G1 1/2" according to ISO228/1
materials	body stainless steel AISI 316, inner parts stainless steel similar to AISI 430F, coil housing aluminum, seals FKM
type of fixing	installed into rigid pipework
mounting position	preferably with a vertical electrical part
application	gaseous and liquid fluids which do not affect the used materials
viscosity	max. 12mm ² /s (cst)
switching time	depending on operating pressure and media
medium temperature	-10...+80°C
ambient temperature	-40...+60°C
scope of supply	without cable gland P992219
special version	seals made of NBR on request
type of current	AC and DC
voltages	12VDC, 24VDC, 24V/50-60Hz, 110V/50Hz-120V/60Hz, 230V/50Hz-240V/60Hz (other voltages on request)
acceptable voltage tolerance	AC +10% -15%, DC +10%-5%
power consumption	see to the table "power consumption of coils"
duty cycle	100% duty cycle (continuous operation)
protection class	IP67 according to EN60529 by correctly mounted cable gland
ATEX-certificate	II 2G Ex d IIC T6 GB / II 2D Ex tb IIIC T80°C Db IP67
direction for use	please specify voltage and type of current by order. we always recommend connecting a strainer in front of the valve, otherwise malfunction can occur in the event of contaminated medium. these valves can also be used for rough vacuum.

type code

		SL024- 38 - N - C 02			
connection	G3/8"	38			
	G1/2"	12			
	G3/4"	34			
	G1"	10			
	G1 1/4"	114			
	G1 1/2"	112			
seal	FKM (blank position)				
	NBR		N		
coil	BDV			C	
	230V/50-240V/60Hz				02
	24VDC				03
	24V/50-60Hz				04
	12VDC				05
voltage	110V/50Hz-120V/60Hz				14

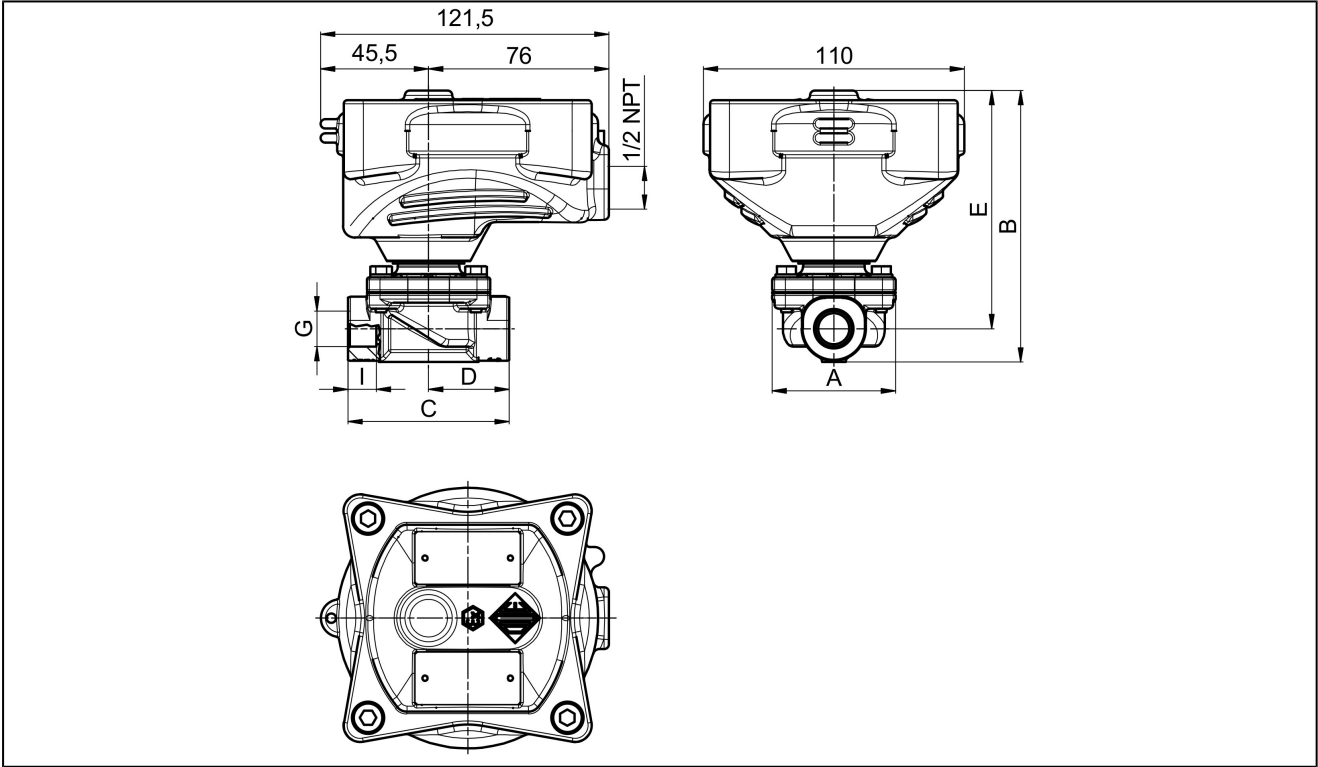
application of the individual seal materials

material	medium temperature	examples of use
FKM	-10...80°C	petrol, diesel, air, neutral gases and liquids, oils, water

power consumption of the coils

voltage	inrush power (AC) VA	holding power (AC) VA	holding power (direct current) at operating temperature W	type
12VDC	-	-	11	BDV08012CY
24VDC	-	-	11	BDV08024CY
24V/50-60Hz	25	17	-	BDV08024DY
110V/50Hz 120V/60Hz	25	15	-	BDV080110AY
230V/50Hz 240V/60Hz	25	16	-	BDV08230AY

dimensions



connection G	nominal diameter DN[mm]	pressure range [bar] AC	pressure range [bar] DC	A	B	C	D	E	I	kv value [m³/h water]	weight [approx. kg]	type
G3/8"	15	0-14	0-6	52	114,5	68	34	101	12	2,4	1,3	SL024-38
G1/2"	16	0-14	0-6	52	114,5	68	34	101	14	3,0	1,3	SL024-12
G3/4"	20	0-14	0-6	58	123	75	37,5	106	16	3,6	1,4	SL024-34
G1"	25	0-14	0-3	65	131	90	45	111	18	8,4	1,6	SL024-10
G1 1/4"	35	0-9	-	94	148	128	64	120	21	18,0	3,2	SL024-114
G1 1/2"	40	0-9	-	94	148	128	64	120	21	19,2	3,0	SL024-112

illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice