

DESCRIPTION

Solenoid valve 2 way normally closed with servo-assisted piston

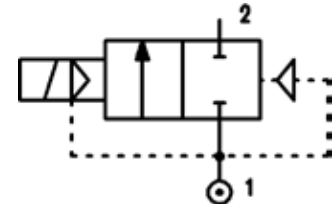
CONSTRUCTION

Body and cover	Brass
Armature tube	AISI 303
Plunger and core	AISI 430FR
Springs	AISI 302
Piston	AISI 303
Piston seal	PTFE reinforced
Seal material	Main seal PTFE, other FPM



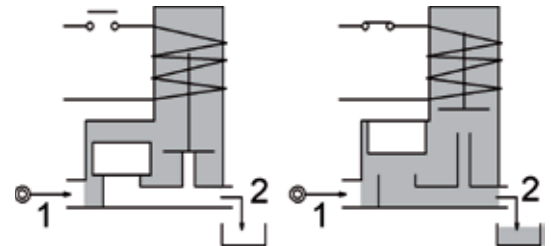
FEATURES

Minimum differential pressure 1bar
 Maximum allowable pressure PS 60bar^③
 Maximum fluid viscosity 25cSt (mm²/s)
 Ambient temperature: from -10°C to +80°C according to the coil
 Preferred mounting position with vertical coil above



4

OPTIONS: Electroless nickel plating
 c  us certified coils



CODE ②	Connection G ISO 228	Orifice mm	Kv m³/h	Differential pressure bar			Nominal power			Coil		Seal	Temp. range °C
				Min	Max		AC Inrush	VA Holding	DC Watt	Series	Width		
					AC	DC							
E119BV52///...	1/4"	5.2	0.47	1.5	50	50	20	15	10	2	30	PTFE/ FPM	-10 +140
E119CV12///...	3/8"	12	2	1	30	30							
E119DV12///...	1/2"	12	2.2	1	30	30							
E119CV12/1/...	3/8"	12	2	1	50	50	40	30	27	5	36		
E119DV12/1/...	1/2"	12	2.2	1	50	50							

② Coil

Example: E119DV12/1/521 FPM seal
 Coil 24V DC
 Maximum differential pressure 50bar

Maximum allowable leakage <0.2NI/h

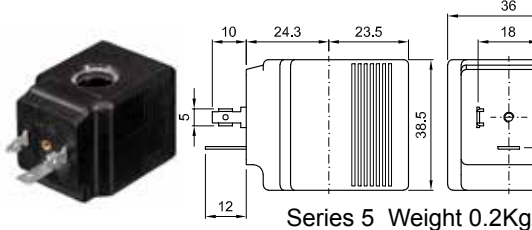
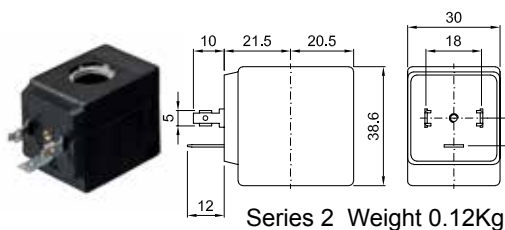
③ The maximum allowable pressure PS for steam 2,5bar (gauge pressure)

COILS ②	Alternating Current 50/60Hz (V)							Direct Current (V)			Electrical connection	Connectors
	12	24	48	110	220 230	240	380	12	24	48		
Series 2 Width 30	20A	20B	20C	20D	20E	20F	20G	200	201	202	DIN 43650A	PG9 code 10349000
Series 5 Width 36	52A	52B	52C	52D	52E	52F	52G	520	521	522	DIN 43650A	PG11 code 10349001

DESCRIPTION
 Insulation class
 Series 2 =F Series 5=H
 Voltage tolerance
 AC +15% -10%
 DC ± 10%
 Protection class
 IP65 with connector fitted
 IP00 without connector
 Continuous service ED100%

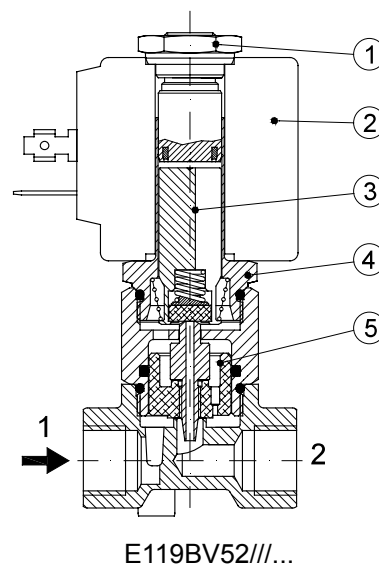
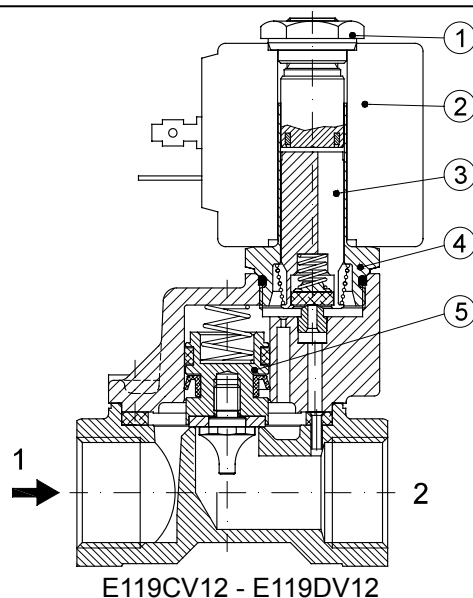
OPTIONS
 Class H insulation (series 2)
 Cable attached
 Special coil voltage
 Special coil powers
 e_{us} certified coils

(for coil details see section 8)



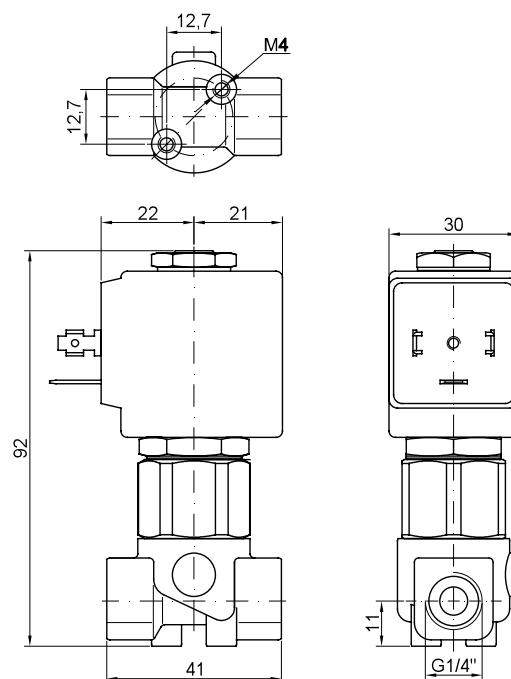
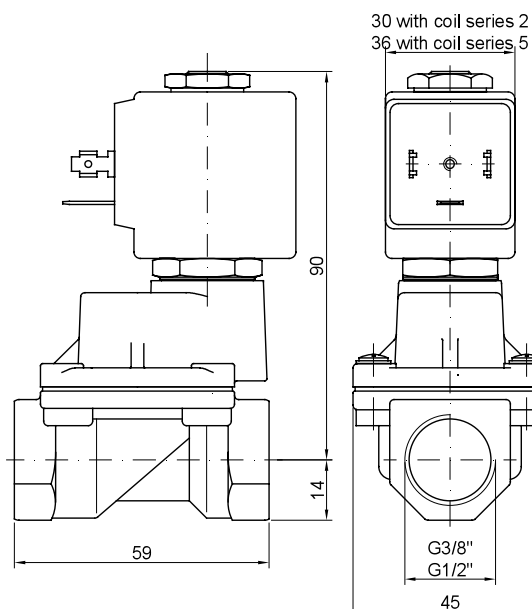
SPARE PARTS LIST

1. Coil fixing nut
2. Coil
3. Plunger
4. Armature tube with core
5. Piston assembly



OVERALL DIMENSION

Weight with coil series 2=0.63Kg
 Weight with coil series 5=0.71Kg



DESCRIPTION

Solenoid valve 2 way normally closed
with servo-assisted piston for use with steam

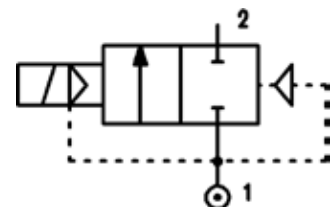
CONSTRUCTION

Body and cover	Brass
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Piston	AISI 303
Piston seal	PTFE reinforced
Seal material	PTFE

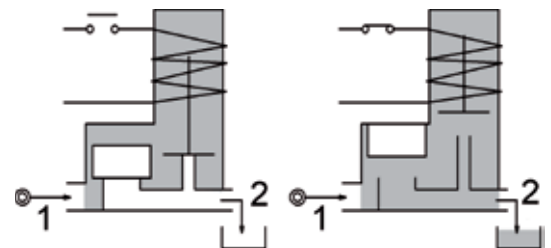
FEATURES

Minimum differential pressure 2,5bar
Ambient temperature with class H coil only -10°C +80°C
Preferred mounting position with vertical coil above

OPTIONS: Electroless nickel plating
c  us certified coils



4



CODE ②	Connection G ISO 228	Orifice mm	Kv m³/h	Differential pressure bar			Nominal power			Coil		Seal	Temp. range °C
				Min	Max		AC Inrush	VA Holding	DC Watt	Series	Width		
E119CW12/1/...	3/8"	12	2	2.5	10	10	20	15	10	2	30	PTFE	-10 +180
E119DW12/1/...	1/2"	12	2.2	2.5	10	10							

② Coil

Example: E119DW12/1/221 PTFE seal
Coil 24V DC

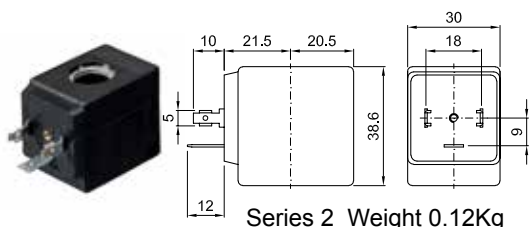
Maximum allowable leakage <0.2Nl/h

COILS ②	Alternating Current 50/60Hz (V)							Direct Current (V)			Electrical connection	Connectors
	12	24	48	110	220 230	240	380	12	24	48		
Series 2 Width 30	22A	22B	22C	22D	22E	22F	22G	220	221	222	DIN 43650A	PG9 code 10349000

DESCRIPTION
 Insulation class H
 Voltage tolerance
 AC +15% -10%
 DC ± 10%
 Protection class
 IP65 with connector fitted
 IP00 without connector
 Continuous service ED100%

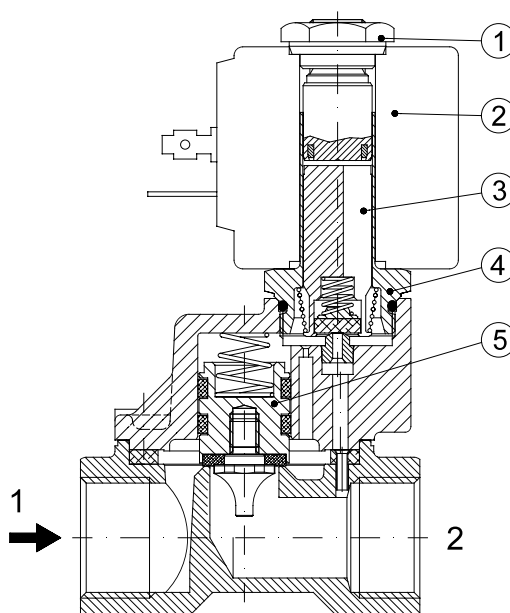
OPTIONS
 Cable attached
 Special coil voltage
 Special coil powers

(for coil details see section 8)

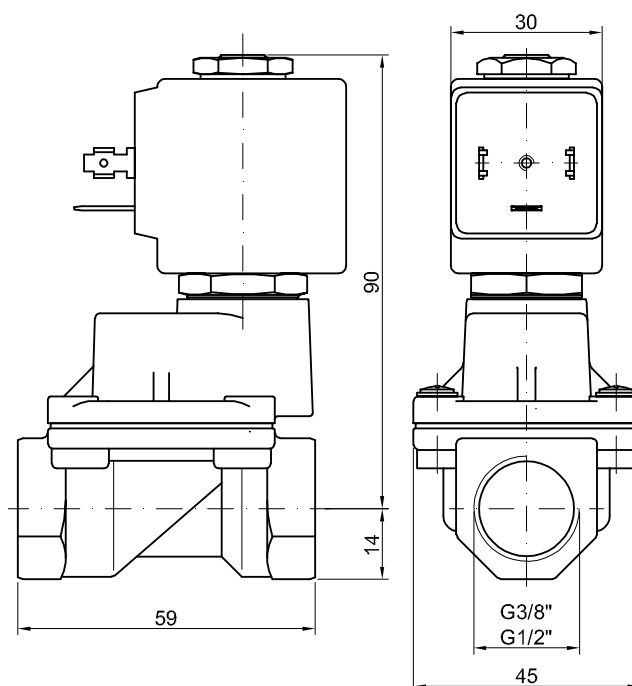


SPARE PARTS LIST

1. Coil fixing nut
2. Coil
3. Plunger
4. Armature tube with core
5. Piston assembly



OVERALL DIMENSION



Weight=0.63Kg