

## Solenoid Valve Pilot Operated 2/2 Way N.C.

### General features

**Minimum differential working pressure** 1 bar

**Parts in contact with the fluid**

**Sealing** PTFE The principle closing is via a PTFE piston with PTFE radial seal bands, graphite loaded, self-lubricating.

**Body** NICKEL-PLATED BRASS with SEALING SEAT IN STAINLESS STEEL.

**Internal parts** Stainless steel

**Fluids** Steam

**One way direction valve**

**Serviceable valve**

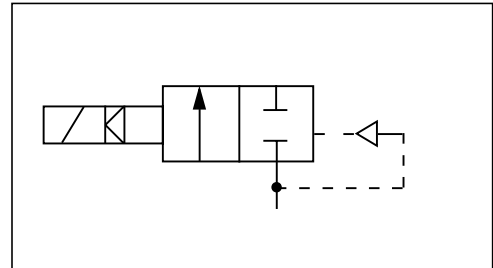
**Valve supplied with** Three pole plug connector uni ISO 4400 (DIN 43650A) - IP65

**Mounting position** Any, the position with the coil downwards is not recommended. For the models 9017, 9018, 9019 we advice to install the valve with the coil vertical.

**Ambient temperature** 80 °C, in D.C. for temperatures higher than 40 °C, the performances (M.O.P.D.) could decrease.



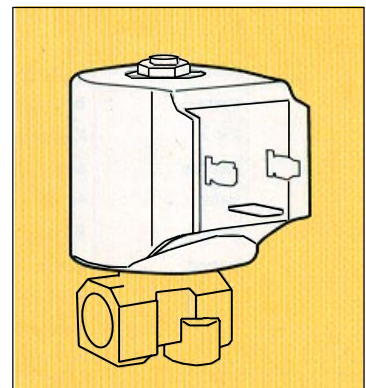
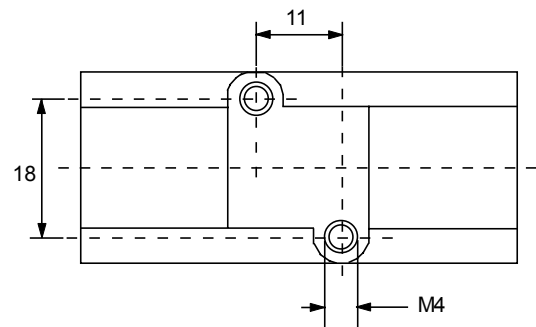
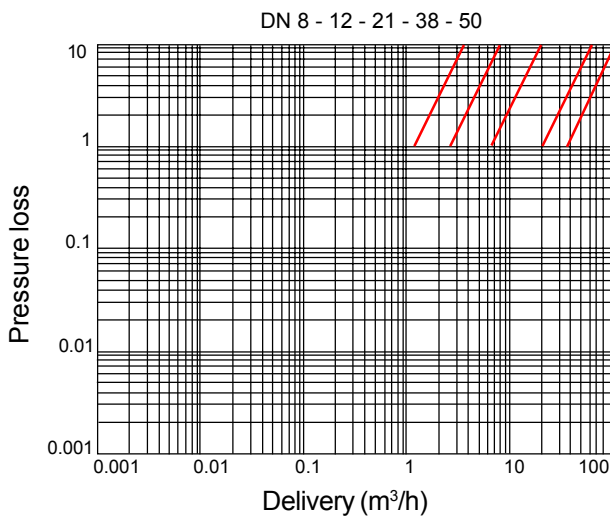
**SERIE 90**



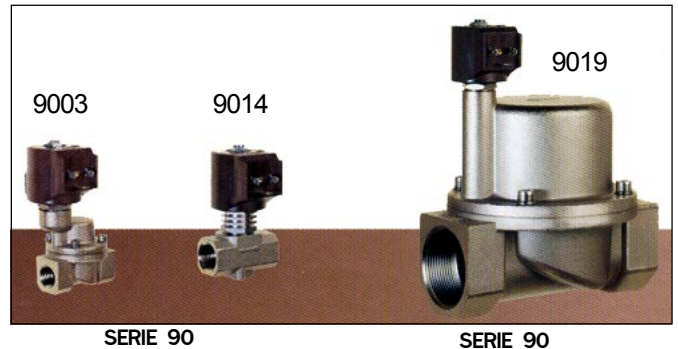
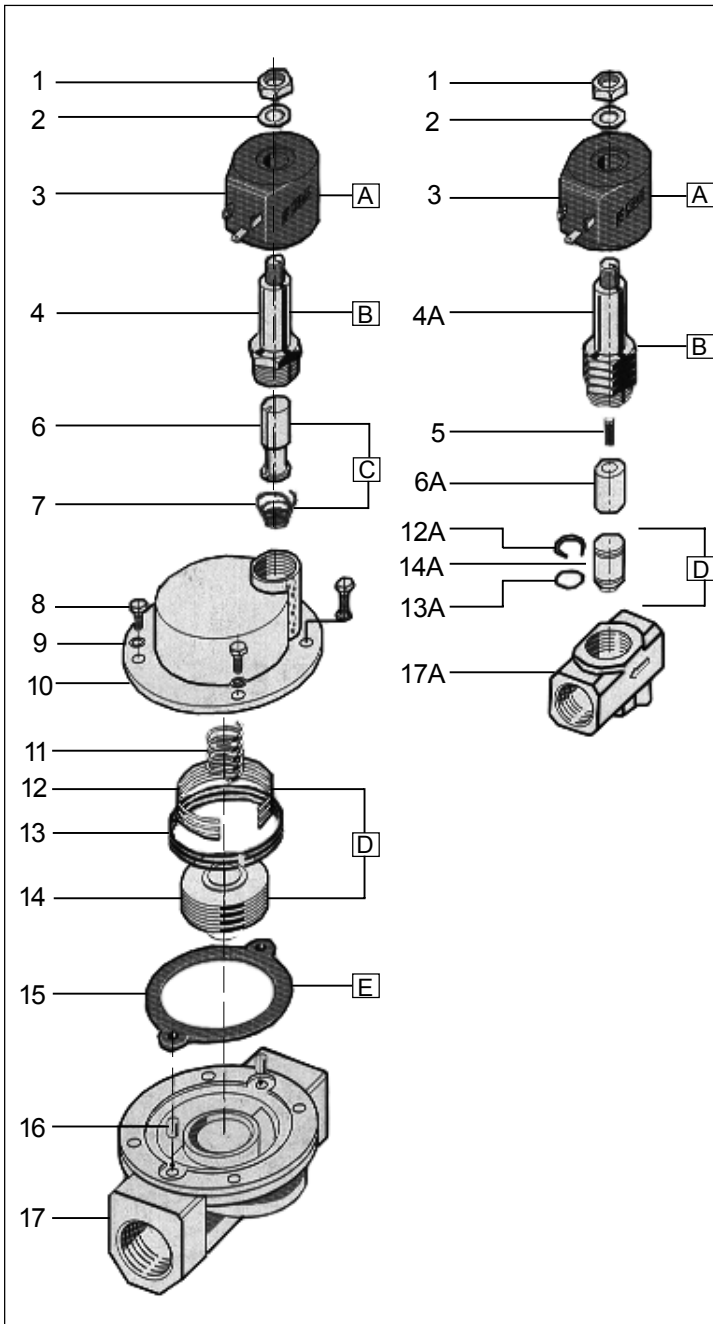
Max Temperature

Fluids			Ambient
PTFE			80 °C
180 °C			

### Pressure Loss Diagram



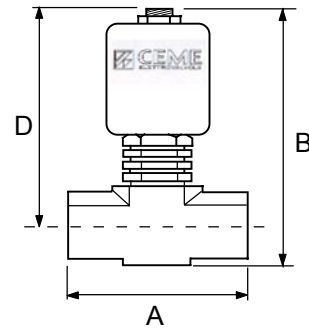
**COIL TYPE B12**



### Electrical Information

								Power			
								Holding	In rush		
V~	12	24	48	110	230	400	50	60	Hz	20VA	38VA
V=	12	24	48	110					14W		

For construction details of the coil see chapter "project information"



### Spare Parts

- |   |              |    |                 |
|---|--------------|----|-----------------|
| 1 | Lock nut     |    |                 |
| 2 | Washer       | 10 | Valve body top  |
| 3 | Coil         | 11 | Spring          |
| 4 | Tube guide   | 12 | Spring          |
| 5 | Spring       | 13 | Piston rings    |
| 6 | Plunger      | 14 | Piston          |
| 7 | Spring       | 15 | Gasket          |
| 8 | Screw        | 16 | Bush            |
| 9 | Split washer | 17 | Valve body base |
| A | Coil         |    |                 |
| B | Tube guide   |    |                 |
| C | Plunger      |    |                 |
| D | Piston       |    |                 |
| E | Gasket       |    |                 |

### Specifications

Pipes in-->out	mm ∅	code	KV m³/h	M.O.P.D. bar		dimensions mm				weight kg
				AC	DC	A•	B•	C•	D•	
3/8"	12	9003	2.4	10	5	73	118	48	105.5	0.750
1/2"	12	9004	2.4	10	5	73	118	48	105.5	0.730
3/8"	8.0	9013	1.08	10	5	56	99	60	81	0.470
1/2"	8.0	9014	1.08	10	5	56	99	60	81	0.500
3/4"	21	9015	6.3	10	5	100	134	80	116	1.450
1"	21	9016	6.3	10	5	100	139	80	119	1.480
1-1/4"	38	9017	20.4	10	5	146	184	128	154	4.500
1-1/2"	38	9018	20.4	10	5	146	184	128	154	4.300
2"	50	9019	34.8	10	5	174	219	146	184	7.200