

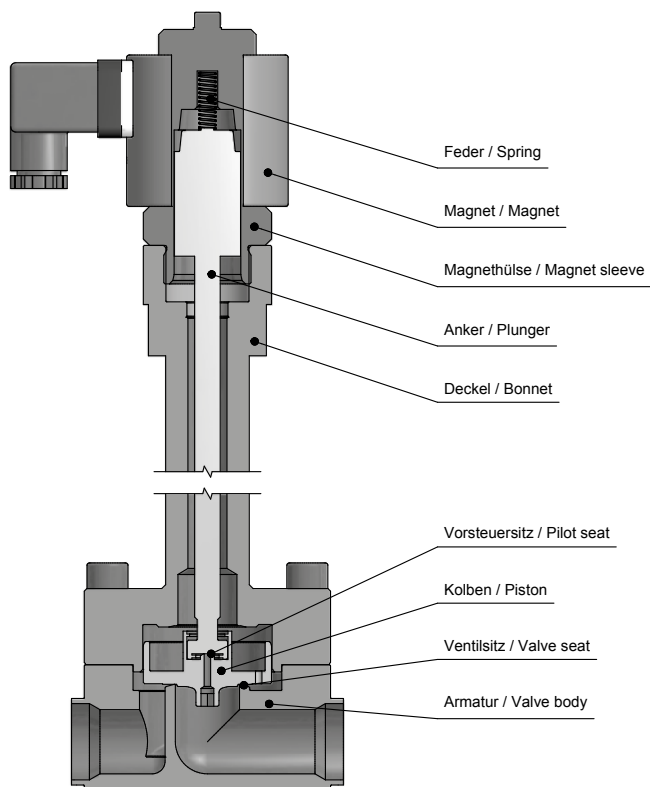


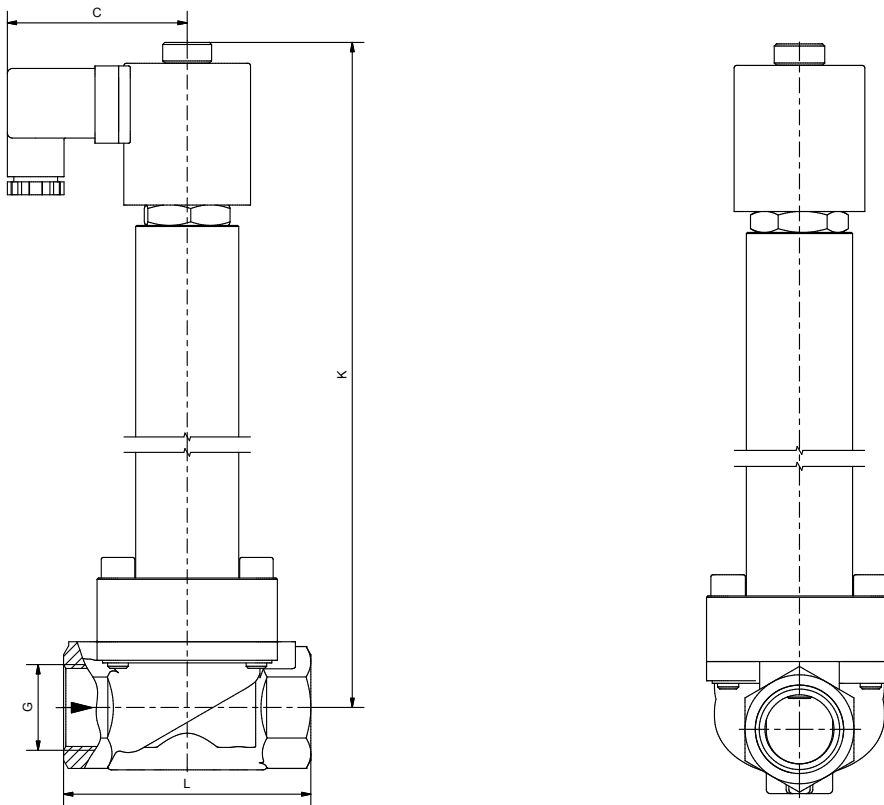
Technical Features

PN16				max. pressure					
Standard type	G	Seat ø mm	Kv-value m ³ /h				ATEX 		
				A05	A06	A07	E06	E07	E08
M-LT 304-?-B	1/4	13,5	1,7	0-16	-	-	0-16	-	-
M-LT 304-?-C	3/8	13,5	3,8	0-16	-	-	0-16	-	-
M-LT 304-?-D	1/2	13,5	4,4	0-16	-	-	0-16	-	-
M-LT 304-?-E	3/4	25	11,2	0-16	-	-	0-16	-	-
M-LT 304-?-F	1	27,5	13,0	0-16	-	-	0-16	-	-
M-LT 304-?-G	1 1/4	40	28,5	-	0-16	-	-	0-16	-
M-LT 304-?-H	1 1/2	40	32,0	-	0-16	-	-	0-16	-
M-LT 304-?-I	2	50	47,0	-	-	0-16	-	-	0-16

PN50				max. pressure				
Standard type	DN	Seat ø mm	Kv-value m ³ /h				ATEX 	
				A06	A07	A08	E07	E08
M-LT 304-?-D	1/2-15	13,5	4,5	0-40	-	-	0-40	-
M-LT 304-?-E	3/4-20	25	11,5	0-40	-	-	0-25	0-40
M-LT 304-?-F	1-25	27,5	13,0	0-40	-	-	0-25	0-40
M-LT 304-?-G	1 1/4-32	40	29,0	-	0-25	0-40	0-25	0-40
M-LT 304-?-H	1 1/2-40	40	33,0	-	0-25	0-40	0-25	0-40
M-LT 304-?-I	2-50	50	47,0	-	-	0-40	-	0-40

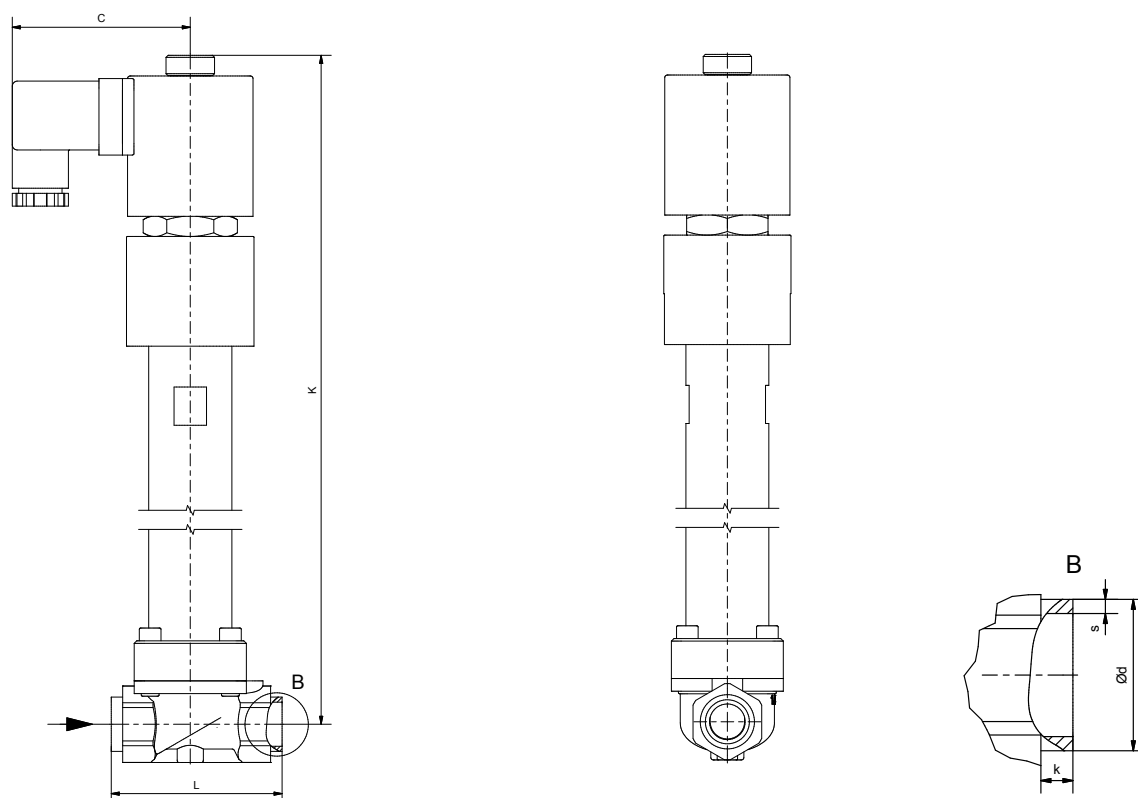


Dimensions



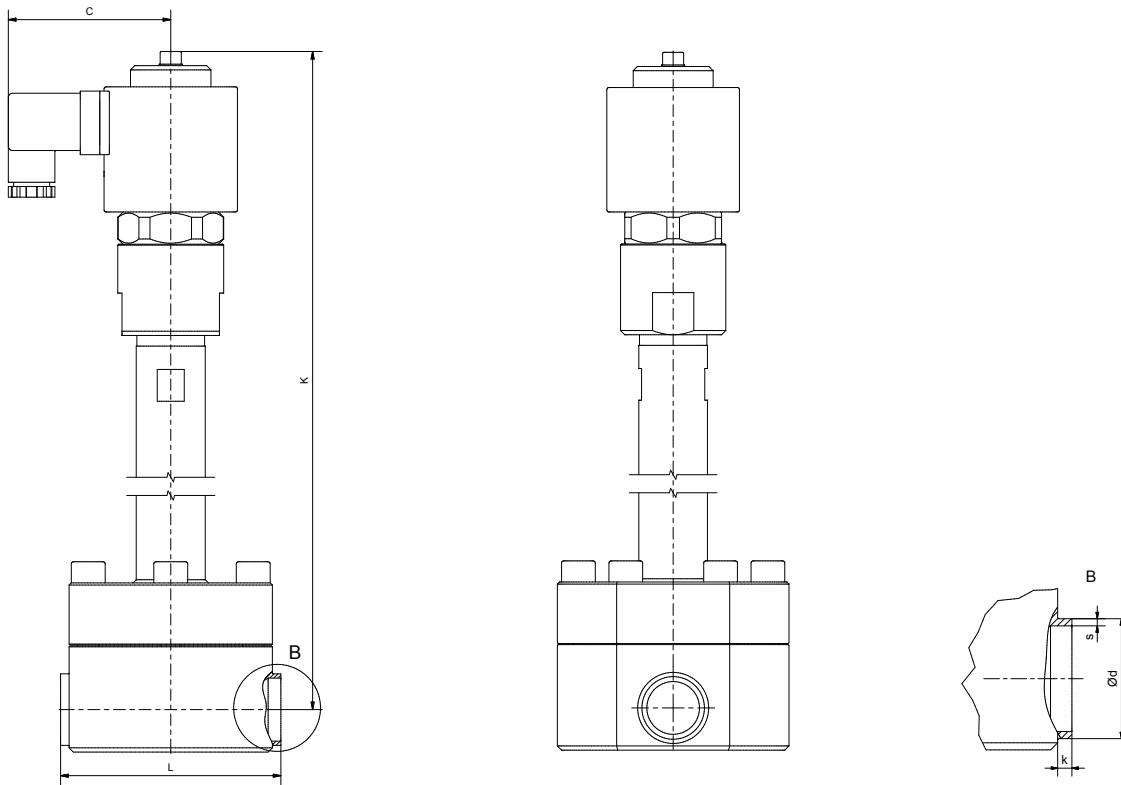
PN16										
Coil	A05					A06		A07		
Type	M-LT 304-? -B	M-LT 304-? -C	M-LT 304-? -D	M-LT 304-? -E	M-LT 304-? -F	M-LT 304-? -G	M-LT 304-? -H	M-LT 304-? -G	M-LT 304-? -H	M-LT 304-? -I
G	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	1 1/4	1 1/2	2
C	70	70	70	70	70	77	77	93	93	93
K	365	365	365	400	400	475	475	500	500	510
L	67	67	67	96	96	140	140	140	140	168
kg	2,2	2,2	2,2	4,4	4,4	8,8	8,8	9,7	9,7	10,3
Coil	E06							E07		E08
Type	M-LT 304-? -B	M-LT 304-? -C	M-LT 304-? -D	M-LT 304-? -E	M-LT 304-? -F	M-LT 304-? -G	M-LT 304-? -H	M-LT 304-? -G	M-LT 304-? -H	M-LT 304-? -I
G	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	1 1/4	1 1/2	2
C	83	83	83	83	83	83	83	93	93	106
K	370	370	370	405	405	475	475	500	500	560
L	67	67	67	96	96	140	140	140	140	168
kg	3,3	3,3	3,3	5,4	5,4	9	9	9,8	9,8	13

Dimensions



PN16						
Coil	A05		A06			A07
Type	M-LT 304-?-D	M-LT 304-?-E	M-LT 304-?-F	M-LT 304-?-G	M-LT 304-?-H	M-LT 304-?-I
DN	13,5	25	27,5	40	40	50
C	70	70	77	77	77	93
K	385	420	425	495	495	530
L	67	96	96	140	140	168
d	24	30	36	45	52	65
s	3,5	4	4	5	5,5	5,5
k	12	12	14	17	18	22
kg	2,2	4,4	5,3	8,8	8,8	10,3
Coil	E06		E07			E08
Type	M-LT 304-?-D	M-LT 304-?-E	M-LT 304-?-F	M-LT 304-?-G	M-LT 304-?-H	M-LT 304-?-I
DN	13,5	25	27,5	40	40	50
C	83	83	83	93	93	106
K	390	425	425	505	505	560
L	67	96	96	140	140	168
d	24	30	36	45	52	65
s	3,5	4	4	5	5,5	5,5
k	12	12	14	17	18	22
kg	3,3	5,4	5,4	9,8	9,8	13

Dimensions



PN50								
Coil	A06			A07		A08		
Type	M-LT 304-?-D	M-LT 304-?-E	M-LT 304-?-F	M-LT 304-?-G	M-LT 304-?-H	M-LT 304-?-G	M-LT 304-?-H	M-LT 304-?-I
DN	13,5	25	27,5	40	40	40	40	50
C	77	77	77	93	93	107	107	107
K	408	424	424	505	505	525	525	560
L	80	104	102	148	147	148	147	178
d	24	30	36	45	52	45	52	65
s	3,5	4	4	5	5,5	5	5,5	5,5
k	2	4	4	4	3,5	4	3,5	4
kg	3,3	5,4	5,4	9,8	9,8	12,3	12,3	13

Coil	E08					
Type	M-LT 304-?-D	M-LT 304-?-E	M-LT 304-?-F	M-LT 304-?-G	M-LT 304-?-H	M-LT 304-?-I
DN	13,5	25	27,5	40	40	50
C	93	93	93	106	106	106
K	418	434	434	535	535	560
L	80	104	102	148	147	178
d	24	30	36	45	52	65
s	3,5	4	4	5	5,5	5,5
k	2	4	4	4	3,5	4
kg	4,5	6,6	6,6	12,3	12,3	13

- It is imperative to observe the installation and safety instructions in our operating and service manuals.
- For information on our **GVT** ordering code, please refer to our catalogs. If you have any questions, we will be glad to assist you.
- Required ordering information: valve type, function NC/NO, pressure range, connection, nominal width, medium, flow rate, medium and ambient temperatures, connection voltage.
- **Detailed production-specific drawings and other technical information will be made available when an order is placed.**

PLEASE NOTE

Each individual application decides which valve type is required, the main factor being the resistance of the materials to the operating medium. The correct selection of materials requires knowledge of the concentration, temperature and degree of contamination of the medium. Other criteria include the operating pressure and max. volumetric flow, since, in addition to high temperatures, high pressures and high flow rates must also be taken into account when selecting the materials.

All materials used for our valves, be it housing, seals or magnets, will be carefully selected in view of the different application areas. Any information given is non-binding and serves for orientation only. No claims under warranty can be derived therefrom.

Heating and power of solenoid coils

The default solenoid valves are designed for continuous operation (100% ED = power-on time) under normal operating conditions.

The pulling force of a solenoid coil is basically influenced by three elements:

- The self-heating of the magnetic coil
- The medium temperature
- The ambient temperature

Solenoid coils are by default designed for a maximum ambient temperature of +40 °C. This specification applies for the maximum allowable operating pressure specified in the data sheet of the corresponding valve and a medium temperature of +80 °C.

A higher ambient temperature is possible, when lower values are applied for the other influencing parameters. When the max. operation pressure and max. ambient temperature of +50 °C is given the medium temperature is not allowed to be higher than max. +50 °C. In addition to that, deviations from the default design temperature range are possible, e.g. when coils or other constructive measures are used.

More precise specifications and technical data with regard to the operating conditions can be found in the data sheets of the solenoid coils and the solenoid valve regarded. Please observe that the surface temperature of a permanently loaded coil can amount up to +120 °C, solely by the self-heating of the coil. The power consumption of our default solenoid valves was calculated to DIN VDE 05820 for a coil temperature of +20 °C.

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