

Product Information

2/2-way drain valve NO, DN 40 IP 65, IP 68



A.u.K. Müller

Solenoid valves
Control valves
Special valves and systems

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series 04.040.916



Characteristics

- direct acting
- protection type IP 68 using cable (length > 1m), respectively IP 65 using connector
- normally open (NO)
- encapsulated coil
- coil system protected against corrosion by separation to medium by membrane
- long term performance capability
- max. medium temperature 98 °C
- no minimum pressure required
- suitable for spray- and jet water
- high operating safety through the use of high quality materials and 100% final testing of the products

Applications

- industrial washing machines and dishwashers
- cleaning devices for medical equipment
- cleaning and disinfection systems in the dairy industry and process engineering

Description

2/2-way direct acting dump valve of nominal diameter DN 40 for controlling low aggressive media, such as cleaning or disinfection agents, with normally open operation mode (NO).

Valves of this type are medium separated having a single chamber valve body with the inlet at ninety degrees to the outlet. They can be manufactured in various materials and equipped with threaded or hose connections.

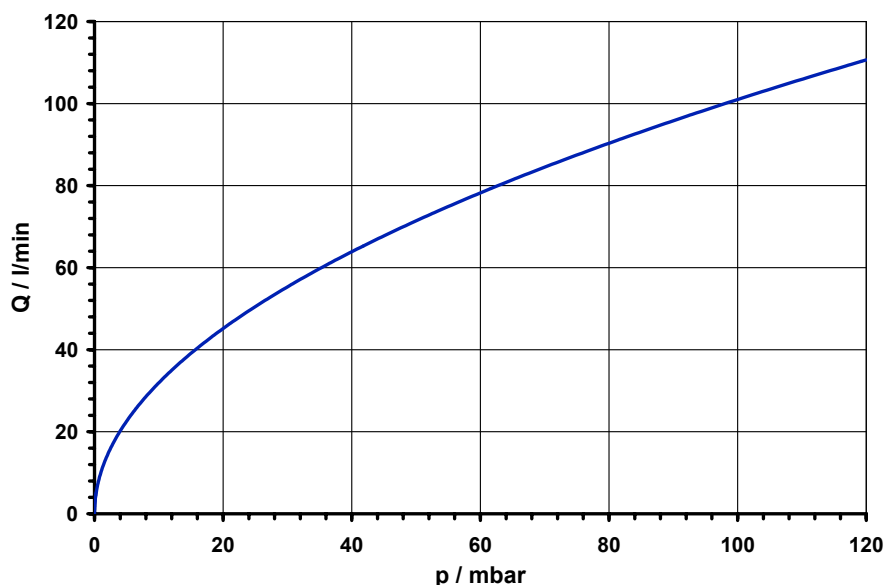
Electrical operating safety is achieved by insulation class F and supported by an integrated protective circuit.

Protection type IP 68 is achieved in conjunction with cable connection (length > 1m), IP 65 by using a mounted connector.

The solenoid valve with valve body made of PPE, is suitable for water of higher temperature and chemically resistant. The smooth internal shape improves liquid flow and avoids dirt traps.

By using high quality insulation materials, continuous duty (up to 100 % ED) at higher medium temperatures is possible.

typical performance curve

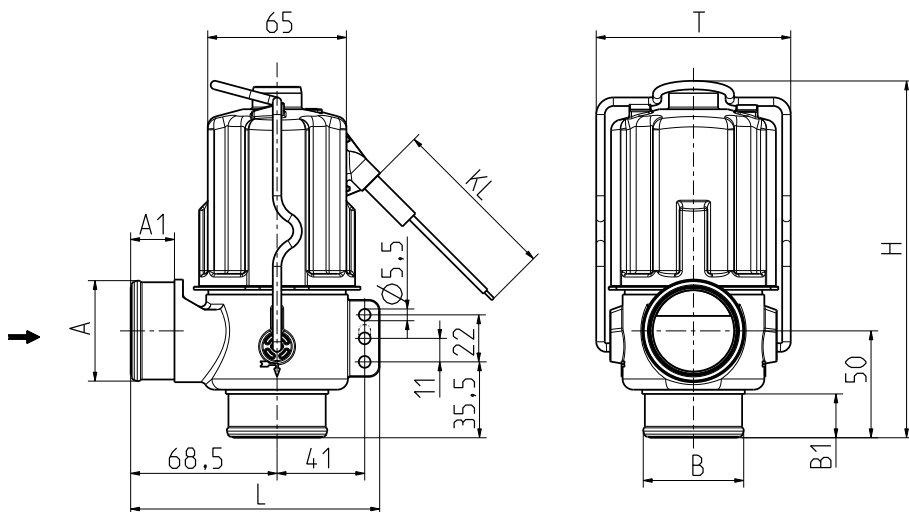


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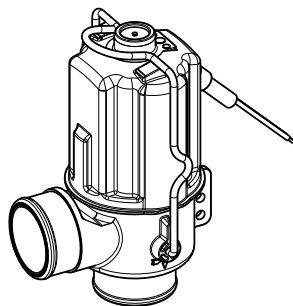
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Materials

Valve body	PPE
Plunger guide	stainless steel
Plunger	stainless steel
Membrane and sealings	EPDM NBR (on request) CSM (on request) FKM (on request)
Coil	PBT PU encapsulated



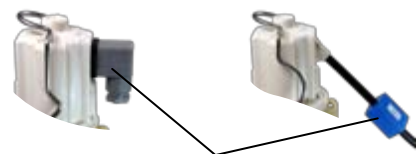
Options

Material	Ø A	A1	Ø B	B1	L	H	T
PPE	G 1 1/2	21	G 1 1/2	21	117	170	91
PPE	G 1 1/2	21	nozzle 1 1/2"	21	117	170	91
PPE	nozzle 1 1/2"	21	G 1 1/2	21	117	170	91
PPE	nozzle 1 1/2"	21	nozzle 1 1/2"	21	117	170	91

all valve bodies on request : PVDF

Technical Data

Type	drain valve	
Construction	2/2-way-solenoid valve, direct controlled	
Function	NO (normally open)	
Fitting position	solenoid pointing upwards	
Media	low aggressive media, such as cleaning or disinfection agents within potable water	
T-Medium	98	°C max.
T-Ambient	60	°C max.
DN	40	mm
p-Operating	0 - 120 mbar	
coil type	MS.010 integrated protection circuit (high voltage peak limitation) and rectifier	
Nominal voltage	24 24 110 200-240 400	V DC V AC/DC *) V AC/DC V AC/DC V AC/DC
Voltage tolerance	±10%	
duty cycle	100 % 50 % of 10 min. at 400 V AC/DC	
Nominal power	24	W
Protection Type	IP 68	with cable (>1m) according to EN 60529
	IP 65	with plug socket according to EN 175301-803
Insulation class	F	according to EN 60730
Protection class	I	according to EN 60730 (for incorporation in class I)



*) Exception:

Depending on the required connection type, the rectifier for version 24 V AC/DC is located within a grey plug or within a sealed housing in line with the cable.

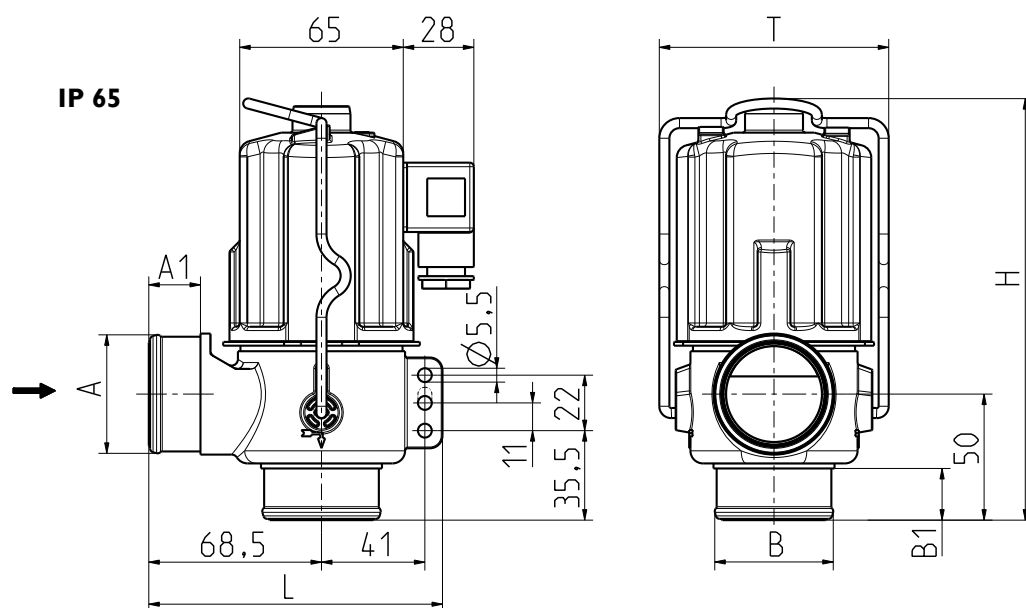
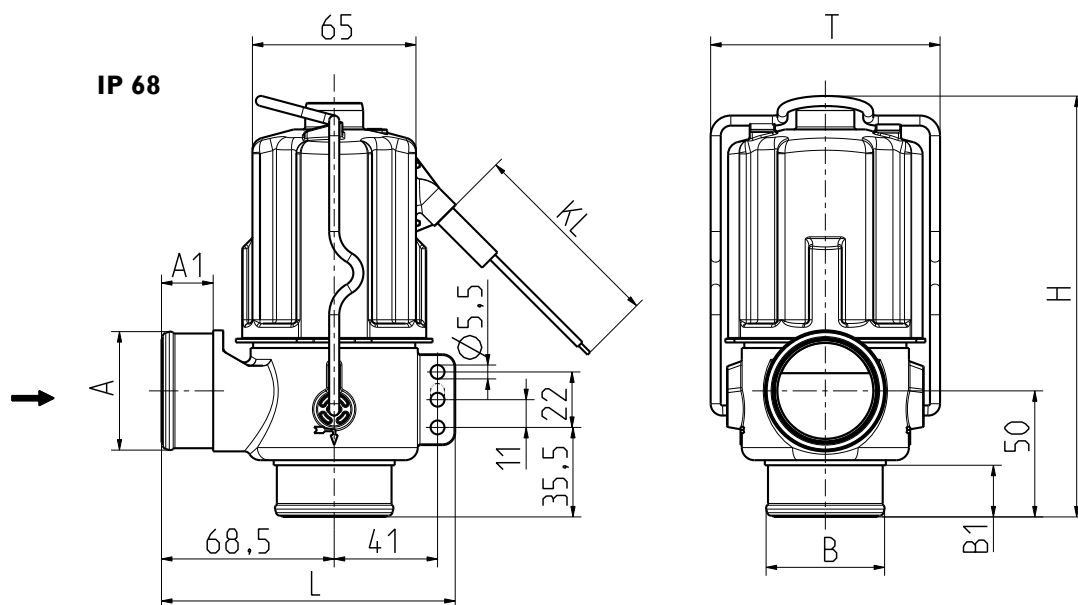
standard cable length (IP 68 only)

KL

1000 mm

other cable length on request

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