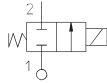


# 21SBG SERIES

## Food Grade, Direct Acting

**21SBG** are total separation, diaphragm type solenoid valves. Valves do not require a minimum operating pressure. 21SBG valves can be inspected and are suitable for liquid media.



### TECHNICAL DATA

PORT CONNECTION	Hose connection Ø 7 mm	
SEALING MATERIALS	EPDM	
FLUID TEMPERATURE	0°C +95°C	
FLUIDS	Water	
VISCOSITY	-	
TUBE Ø - SERIES	ø 10 mm	HLR7X024CS (class F)
PROTECTION DEGREE	IP00	

- Nominal voltage = 24V DC
- Nominal (cold) power consumption = 7,5 W

### MATERIALS

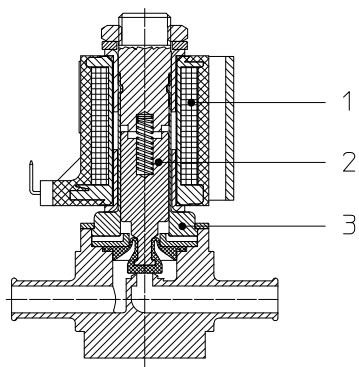
BODY, ORIFICE	PEI (Polyetherimide)
ARMATURE TUBE	Brass - UNI EN 12164 CW614N
FIXED CORE	Stainless steel AISI series 400
PLUNGER	Stainless steel AISI series 400
SPRING	Stainless steel AISI series 300
SEALING	E=EPDM

- **CE**
  - 2014/35/EU (LVD)
  - 2014/30/EU (EMC)
  - 2014/68/EU (PED)

- **NSF/ANSI 169** certification (Special Food Equipment and Devices) is available for this series. Valves with NSF approval are in compliance with CE regulation 1935/2004. List of certified product codes available in the following tables.

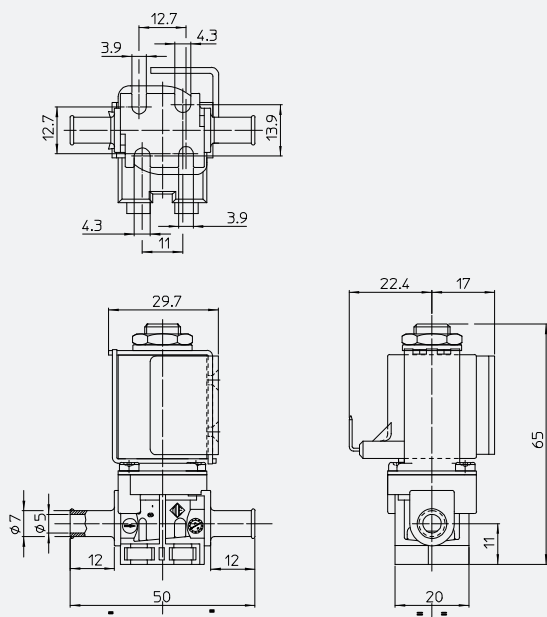
- The fluids listed in the "technical data" tables should be considered as a recommendation. Please check the chemical compatibility of the fluids with the materials of the valve at RFQ stage.
- For spare parts list, please refer to the dedicated chapter.

2/2 NC



Solenoid Valves ■ General purpose ■ Food Grade ■ 21SBG SERIES

**DRAWING 1**



2/2 NC

PIPE	ORIFICE SIZE		Kv	COIL SERIES	PRESSURE [bar]			CODE	DRAWING REFERENCE	
	Ø [mm]	[l/min]			MIN	MOPD				PS
						AC	DC			
Hose connection	3	4	HLR7X024CS	0	-	1	1	21SBGS4E30_H036	1	
Ø 7 mm	5	6	HLR7X024CS	0	-	1	1	21SBGS4E50_H036	1	

- Code is comprehensive of coil
- Available on request with minimum quantities.

CODIFICATION

I	II	III	IV	V	VI	VII	VIII
2	1	SBG	S	4	E	30	- H036

**I. NUMBER OF WAYS**

2 - 2-way

**II. NUMBER OF ELEMENTS**

1 - 1 element

**III. SERIES**

SBG - total separation diaphragm valve

**IV. CORE TUBE TYPE**

S - Ø10 mm, for total separation valve

**V. PHASE DISP. RING MATERIAL**

4 - none

**VI. SEALING MATERIAL**

E - EPDM

**VII. ORIFICE Ø [mm] MULTIPLIED BY 10**

**VIII. COIL CODE**

H036 - Coil HLR7X024CS

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