

21KP -TO SERIES

Food Grade, Direct Acting

21KP are total separation, lever type solenoid valves. Valves do not require a minimum operating pressure. A large selection of seal materials provides wide chemical compatibility. AC/DC interchangeability of the coil is possible for both NC and NO configurations.



1

TECHNICAL DATA

PORT CONNECTION	G 1/8 (F), push in OD 8 mm	
SEALING MATERIALS	VMQ	FKM
FLUID TEMPERATURE	+2°C +100°C	-10°C +140°C
FLUIDS	Air, water, neutral fluids	
VISCOSITY	21 cSt	
TUBE Ø - COIL WIDTH - SERIES	ø 13 mm - 30 mm	BDV08 (class H)
	ø 13 mm - 30 mm	UDV16 (class H)
PROTECTION DEGREE	IP65 EN 60529 (DIN 40050) with plug connector	

MATERIALS

BODY, ORIFICE	PSU (polysulphone)
ARMATURE TUBE	Brass - UNI EN 12164 CW614N
FIXED CORE	Stainless steel AISI series 400
PLUNGER	Stainless steel AISI series 400
PHASE DISPLACEMENT RING	Copper
SPRING	Stainless steel AISI series 300
SEALING	S= VMQ, V=FKM
MOUNTING BRACKET	Stainless steel AISI 304

■ CE

- 2014/35/EU (LVD)
- 2014/30/EU (EMC)
- 2014/68/EU (PED)
art. 4.3 up to 1"

■ UL recognized and VDE

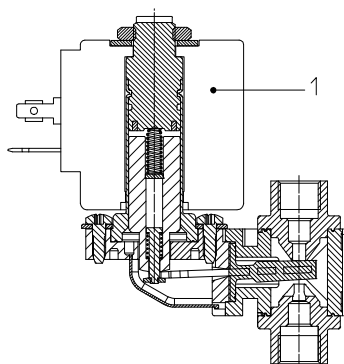
approved coils are available for this series, please refer to coil section.

■ NSF/ANSI 169

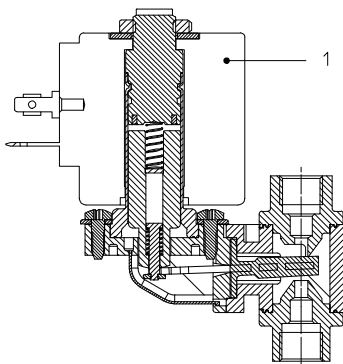
certification (Special Food Equipment and Devices) is available for this series. Valves with NSF approval are in compliance with CE regulation 1935/2004. List of certified product codes available in the following tables.

- 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.
- G type thread in accordance with ISO 228/1.
- For spare parts list, please refer to the dedicated chapter.

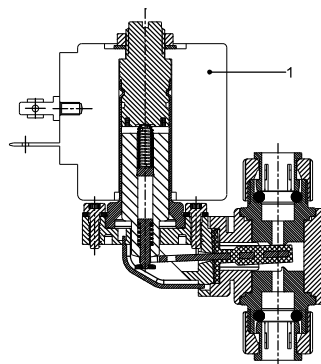
2/2 NC



2/2 NO

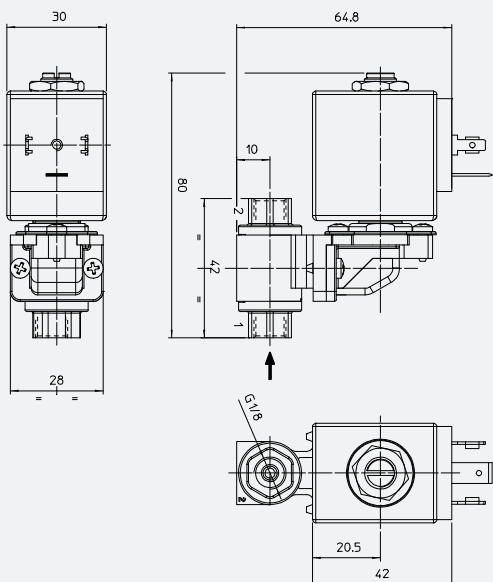


2/2 NC, PUSH IN

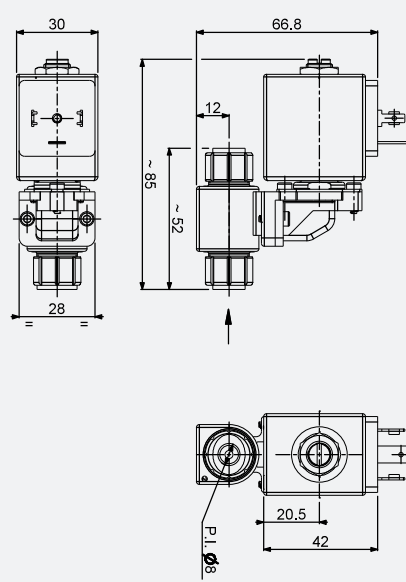


Solenoid Valves ■ General purpose ■ Food Grade ■ 21KP -TO SERIES

DRAWING 1



DRAWING 2



2/2 NC

PIPE	ORIFICE SIZE	Kv [l/min]	COIL SERIES	PRESSURE [bar]			CODE	DRAWING REFERENCE	
	Ø [mm]			MIN	MOPD				PS
		AC			DC				
G1/8	3	2,8	B**08	0	6	4	8	21KPCFIKRS30-T0	1
			UDV16	0	-	6	8	21KPCFIKRS30-T0	1
push in OD 8 mm	3	2,8	B**08	0	6	4	8	21KPCM5KRS30-T0	2
			UDV16	0	-	6	8	21KPCM5KRS30-T0	2

- For sealing different from VMQ replace the letter "S" with the ones corresponding to the other materials.
S = VMQ, V = FKM
- Max torque for fittings assembly 2 Nm
- In case glue is used to seal the fittings, verify the compatibility with body material

2/2 NO

PIPE	ORIFICE SIZE	Kv [l/min]	COIL SERIES	PRESSURE [bar]			CODE	DRAWING REFERENCE	
	Ø [mm]			MIN	MOPD				PS
		AC			DC				
G1/8	3	2,8	B**08	0	4	4	8	21KPAFIKRS30-T0	1

- For sealing different from VMQ replace the letter "S" with the ones corresponding to the other materials.
S = VMQ, V = FKM
- Max torque for fittings assembly 2 Nm
- In case glue is used to seal the fittings, verify the compatibility with body material

I	II	III	IV	V	VI	VII	VIII	IX	X
2	1	KP	C	F1	KR	S	30	-	TO

CODIFICATION

I. NUMBER OF WAYS

2 - 2 - way

II. NUMBER OF ELEMENTS

1 - number of elements

III. SERIES

KP - total separation, lever valves

IV. FUNCTION

C - NC

A - NA

V. CONNECTIONS

F1 - G1/8 (F)

M5 - Push in for OD 8 mm

VI. CORE TUBE TYPE

KR - Ø 13 mm

VII. SEALING MTERIAL

S - VMQ

V - FKM

VIII. ORIFICE Ø [mm] MULTIPLIED BY 10

IX. OPTIONS

LD - mounting bracket on "right" side

LS - mounting bracket on "left" side

X. NSF CERTIFICATION

TO - PSU body

