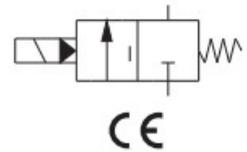


# Solenoid Valve Series SV 04/FV04

Direct operated 2/2-way valves with solenoid actuation for controlling liquid and gas flow

Thanks to its modular design, the solenoid valve series can be individually configured to meet specific requirements. A wide range of sealing materials, nominal sizes, and pressure ranges ensures a flexible valve system. Various actuation voltages allow for application-specific adaptation.

In addition to standard sealing materials, synthetic ruby is available for use with aggressive or hot media as well as high-pressure applications. A manual override and an additional sieve are also available upon request. The SV04 standard valve can be combined in blocks of up to five valves.



**Single Valve series SV 04 (Fig. with 3/8" valve body)**

## Key-Features

- Seals adapted for various media
- PTFE-coated armature for gas or water applications
- M20 solenoid coil for DC and AC voltage
- Compact design
- Special version with manual override available
- Available with flange type valve body (Version FV04)
- Installation in blocks possible
- DIN Certificate for SV04 R3 (DIN32725)

## Applications:

- Machine and apparatus construction
- Pipe installation in drinking water networks
- Water and sanitary technology
- Hospital technology
- Heating technology
- Valve with connector Flange FV04 with the same specifications

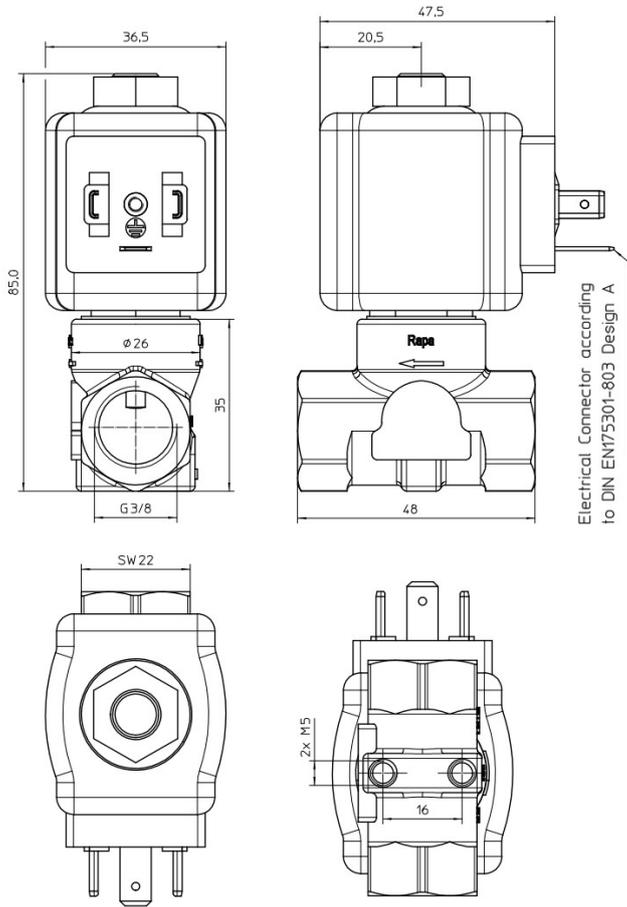
## Technical Data

Type	Direct operated directional control valve with solenoid actuation		
Function	2/2 NC (normally closed)		
Media	Air, water, neutral gases, mineral oils, water, hot water, steam, tri, methyl alcohol		
Ambient temperature	-10°C up to + 35°C		
Medium viscosity	max. 50 mm <sup>2</sup> /s		
Bursting pressure	≥ 250 bar		
Standard voltages	24V AC/DC, 230V 50Hz (AC)		
Total weight	ca. 500g		
<b>Materials</b>			
Valve body	Cu Zn 39 Pb3 F44		
Guide tube	1.4303		
Core	1.4105		
Armature	1.4105		
Media	Temperature [°C]	Sealing material	
		Abbreviation RAPA	Trade name
Air, water, mineral oils, neutral gases	0-15 up to +60	P	NBR
Water, hot water, steam	-10 up to +130	E	EPDM
Heavy oil, aggressive media, hot water	-10 up to +140	R	Synth. ruby
Mineral oils	-10 up to +70	K	Polyurethane

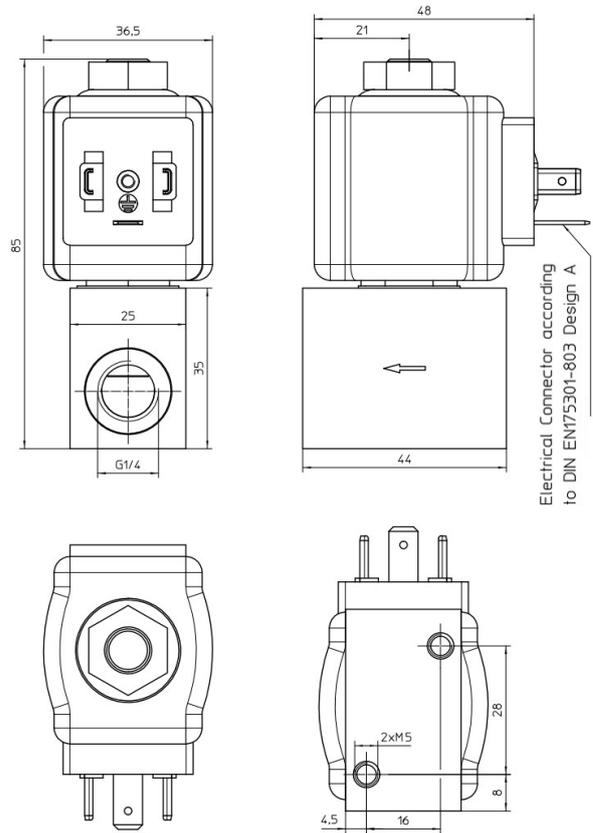
## Specification

Functional Values					
G1/4"	Nominal width [mm]	Kv-value [l/min.]	Sealing material	Operating pressure [bar] 14W (DC)	Operating pressure [bar] 14W (AC)
	1,2	0,9	R	0-180	0-150
	1,5	1,3	K	0-150	0-130
	1,5	1,3	R	0-150	0-130
	2	2,1	K	0-60	0-60
	2	2,1	R	0-60	0-60
	2,5	3	K	0-30	0-40
	2,5	3	R	0-30	0-40
	3	3,6	K	0-20	0-32
	3	3,6	R	0-20	0-20
	R3 DIN	3,6	R	0-30	0-30
	3,8	4,4	P	0-15	0-15
G3/8"					
	4	6,5	P	0-8	0-14
	4	6,5	E	0-8	0-12
	5	8	P	0-5	0-9
	5	8	E	0-5	0-9
	6	10	P	0-2,5	0-6
	6	10	E	0-2,5	0-6

Dimensional Drawing

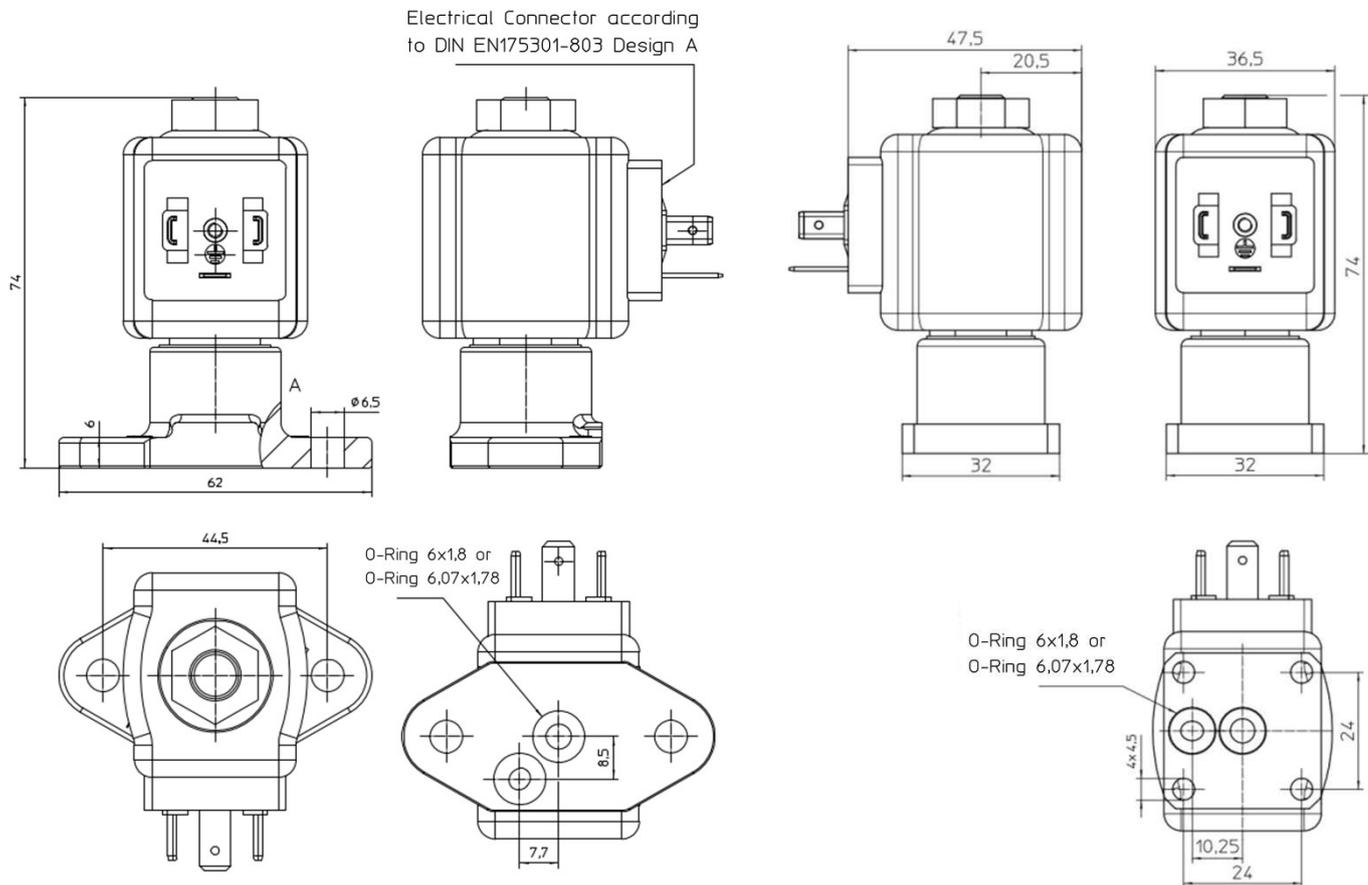


Dimensional drawing SV04 G3/8"



Dimensional drawing SV04 G1/4"

Dimensional Drawing



Dimensional drawing FV04 oval flange

Dimensional drawing FV04 square flange