

## 2-WAY BALL VALVE, AUTOMATED ELECTRICALLY

**Description:**

- 2-pieces body construction
- light-weight design
- female thread acc. to EN 10226
- blow out safe, spindle mounted from inside
- any installation position
- compact actuator with a body made of plastics
- the actuator works bi-directionally
- connection with a very robust plug-in system (assembled without tools)

**Range of application:**

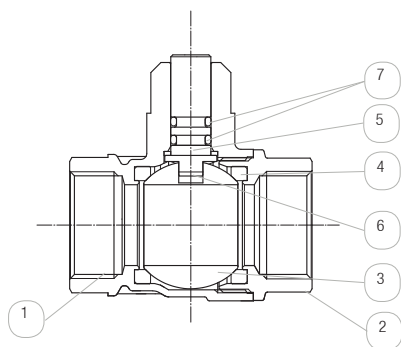
- light-weight design for a variety of industrial applications
- very low torque allow an economical actuator design
- working pressure PN10 (see pressure-temperature-diagram)
- temperature range: -20°C up to +80°C at max ambient temperature of +40°C (see pressure temperature diagram)
- working pressure: 0 - 16 bar
- manipulating time: 2-60 sec.
- hot and cold water, compressed air, oils, not corrosive liquids, hydrocarbon

**Comments:**

Better protection against unintended disengagement of the spindle and the sealing by a blow out protection. No accidental damage from outside possible.

**Threads according to EN 10226:** It describes the threaded connection of a conical male thread (R) with a parallel female thread (Rp).

An electric actuator QM2 is also available with a **manipulating time of 2 sec.**

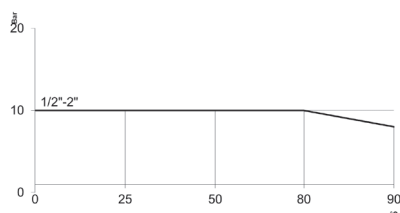


pos.	part	standard material	
1	body	CW617N nickel plated	E
2	connector	CW617N nickel plated	
3	ball	CW614N chromium-plated	F
4	seat sealing	PTFE / elastomer coating	T
5	spindle	CW614N	
6	anti-friction ring	PTFE	
7	o-ring	HNBR	H

For details about the order code see "Order information". An overview of the complete material code you can find at the beginning of each product section of the product catalogue.

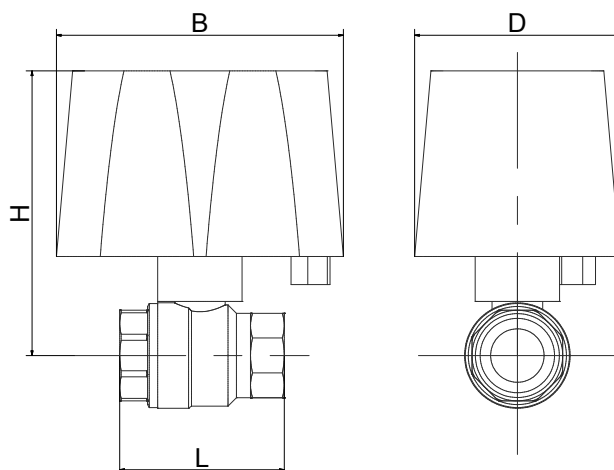
**options:**

- OF: free of oil and grease
- SF: free of silicone
- QM02: actuator with a manipulating time of 2 sec.

**Pressure temperature diagram**

The pressure temperature diagram refers to the ball valve of this type. For the actuated units the actuator limits the permissible pressure range to the operating pressure as indicated above, as long as this is lower than the pressure range of the ball valve. If your application has strong temperature variations, you may need additional options like a relief well, to meet the figures. Please tell us your temperature variations with your order.

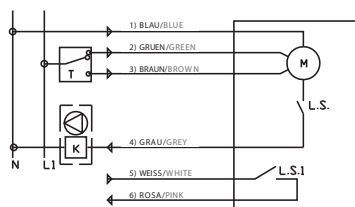
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match code	size [inch]	no- minal pres- sure	no- minal size [mm]	actua- tor	voltage	mani- pulating time [sec.]	L [mm]	H [mm]	B [mm]	D [mm]	thread depth [mm]	CV va- lue* [m <sup>3</sup> /h]	weight [kg]
ENKA28-04EHFT-QM01-0	1/2	PN10	13	QM01	0	60	53	97	100	73	7.2	10	n/a
ENKA28-05EHFT-QM01-0	3/4	PN10	18	QM01	0	60	61	100	100	73	11	22	n/a
ENKA28-06EHFT-QM01-0	1	PN10	25	QM01	0	60	70.5	105	100	73	12.5	70	n/a
ENKA28-07EHFT-QM01-0	1 1/4	PN10	32	QM01	0	60	84	110	100	73	13.5	121	n/a
ENKA28-08EHFT-QM01-0	1 1/2	PN10	32	QM01	0	60	90	110	100	73	15.5	n/a	n/a
ENKA28-09EHFT-QM01-0	2**	PN10	40	QM01	0	60	105	116	100	73	17.5	n/a	n/a

\*CV value: The nominal flow rate CVs acc. to VDI/VDE 2173 shows the water quantity in cubic meter per hour with the valve fully opened,  $\Delta p=1$  and the water temperature between 5°C and 30°C.

\*\*the connection size 2" is only available on request!



## connection diagram:

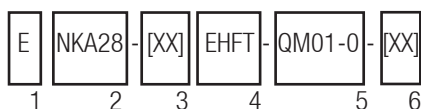
- blue: neutral conductor
- green: open
- brown: closed
- grey: limit switch
- white/pink: additional limit switch

## information about the voltage:

- 0: 230V 50-60Hz

## Description:

- medium temperature: -20°C up to +70°C (at max. ambient temperature of +40°C)



## Order information:

## 1: automation:

- E: electric actuated

## 2: type: NKA28

## 3: connection size: 04-09 (see table)

## 4: materials:

- 1. digit: body material (brass nickel plated)
- 2. digit: sealing for spindle (HNBR)
- 3. digit: ball material (brass chromium-plated)
- 4. digit: seat sealing (PTFE)

## 5: actuator:

- QM01 with voltage 0 (230V 50-60Hz)
- QM02 (2 sec. manipulating time) optionally

## 6: options (see "options")

Please ask for field specifications that are not listed in this data sheet.

Before installation please consider the installation and maintenance manual, especially the safety indications!