

ball valves made of stainless steel with electric actuator series BA081

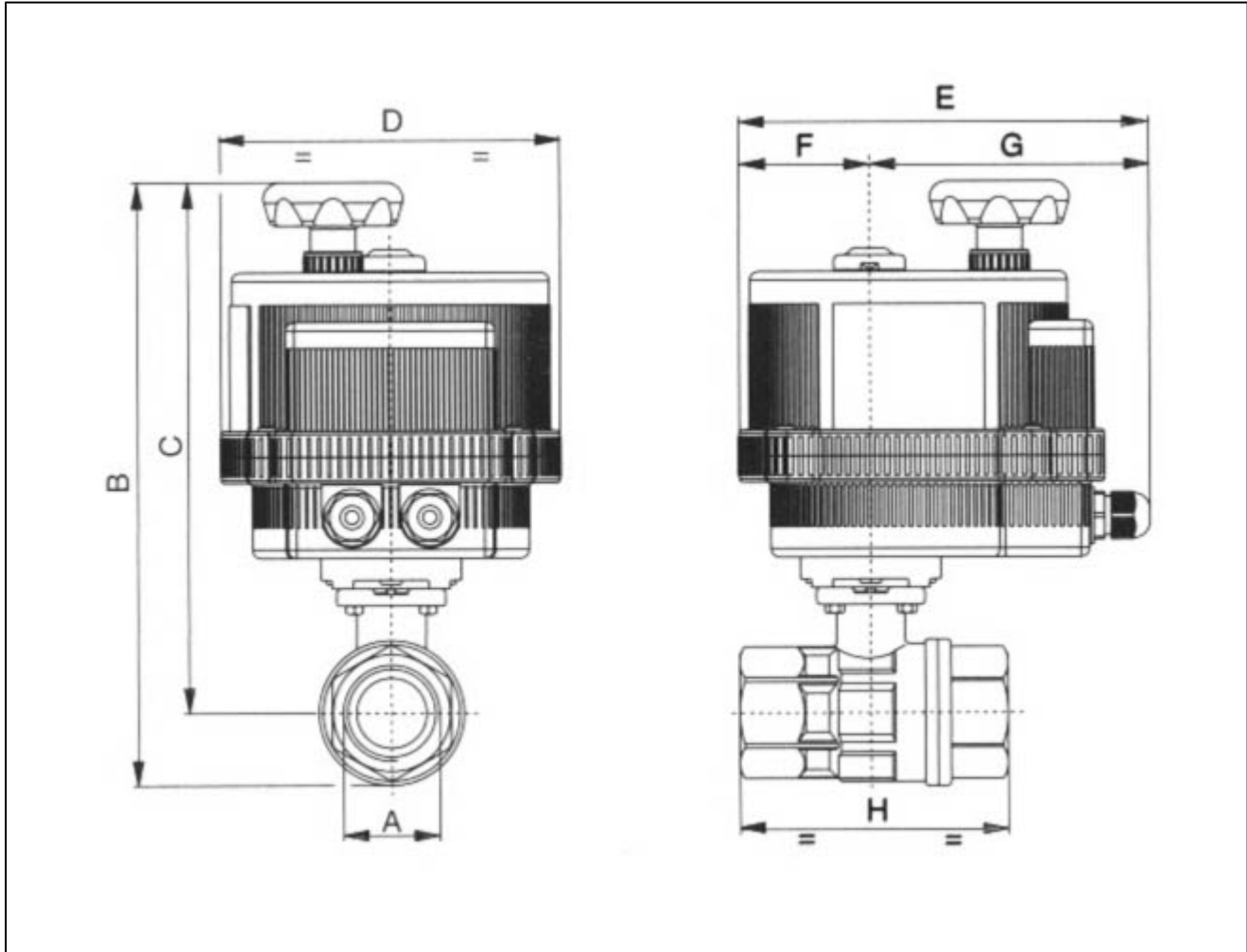


design	electric gear motor with manual operation, actuator heating and torque control
connection	RP1/2" ... RP2" according to ISO7/1
materials	actuator: body made of Polymer PA6 respectively PA66
standard construction	ball valve: body and ball stainless steel AISI 316, ball seal PTFE, stem seal PTFE/FKM
application	gaseous and liquid fluids which do not affect the used materials
medium temperature	0...+100°C
ambient temperature	-20...+55°C
operating pressure	0bar to operating pressure according to the table and pressure-temperature diagram, not suitable for vacuum
type of fixing	installed into rigid pipework
mounting position	any, except hanging down
electrical data	
type of current	AC and DC
standard voltage	see table "electrical data"
permissible voltage tolerance	± 10%
electrical connection	via cable gland PG11
limit switch-off	via build in limit switches
duty cycle	see table "electrical data", but max. 100 operations a day
protection class	
special version	higher media temperatures, accumulator for safety position, positioner, feedback via potentiometer 0-5kOhm
order information	in case of order please indicate operating media, pressure and temperatur.
direction for use	pressure and temperature values are maximum values for lubricating or not degreasing mediums. in particular degreasing media reduce the indicated values and increase the necessary torque. In border lines we recommend a previous consultation.

order code

		BA081- 12 - 0L
	RP1/2"	12
	RP3/4"	34
	RP1"	10
	RP11/4"	114
	RP11/2"	112
connection	RP2"	20
voltage	12V/50-60Hz/12VDC	0D
	24V/50-60Hz/24VDC	0L
	100-240V/50-60Hz	0H

dimensions

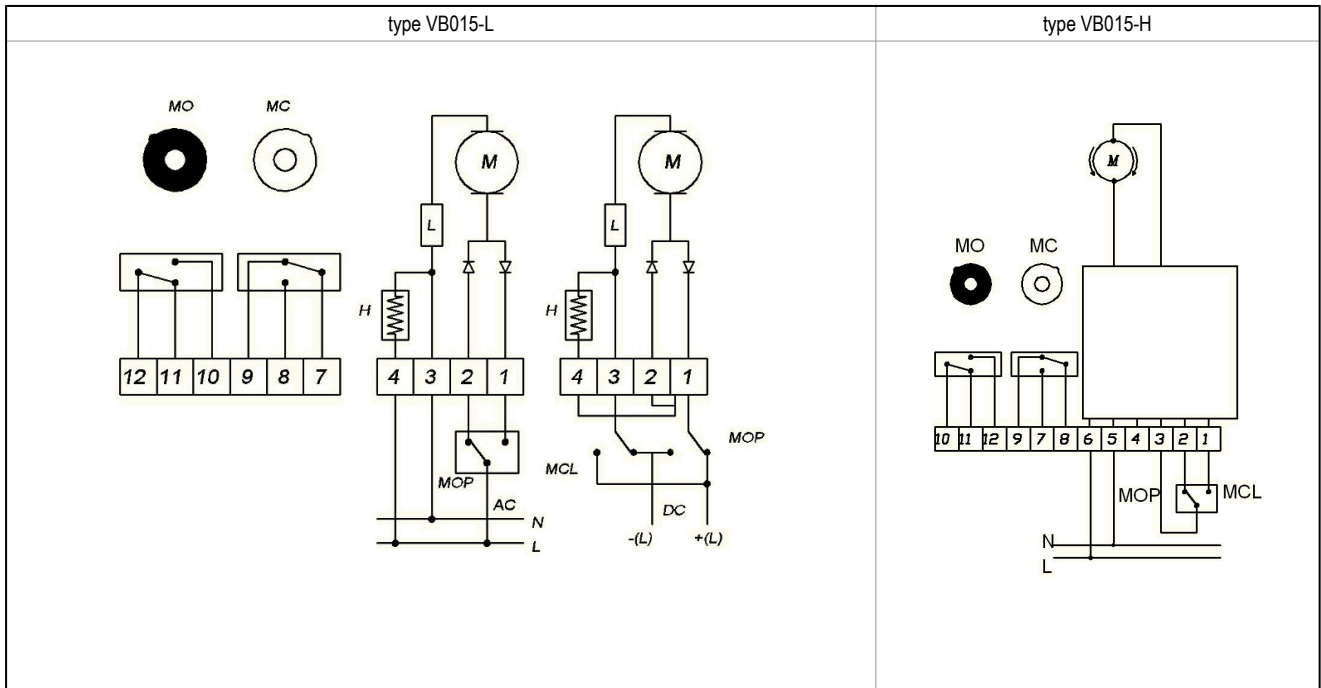


connection A	nominal diameter DN[mm]	max. operating pressure [bar]	B	C	D	E	F	G	H	kv value [m ³ /h]	weight [app. kg]	type of actuator	type
RP1/2"	15	64	192	175	123	164	43	121	67	16,3	1,8	VB015	BA081-12-0.
RP3/4"	20	64	198	177	123	164	43	121	78	29,5	1,8	VB015	BA081-34-0.
RP1"	25	64	213	187	123	164	43	121	90	43	2,2	VB015	BA081-10-0.
RP11/4"	32	64	223	190	123	164	43	121	100	89	2,5	VB015	BA081-114-0.
RP11/2"	40	64	290	251	157	191	61	130	112	230	4,1	VB030	BA081-112-0.
RP2"	50	64	309	261	157	191	61	130	135	265	5,3	VB030	BA081-20-0.

electrical data

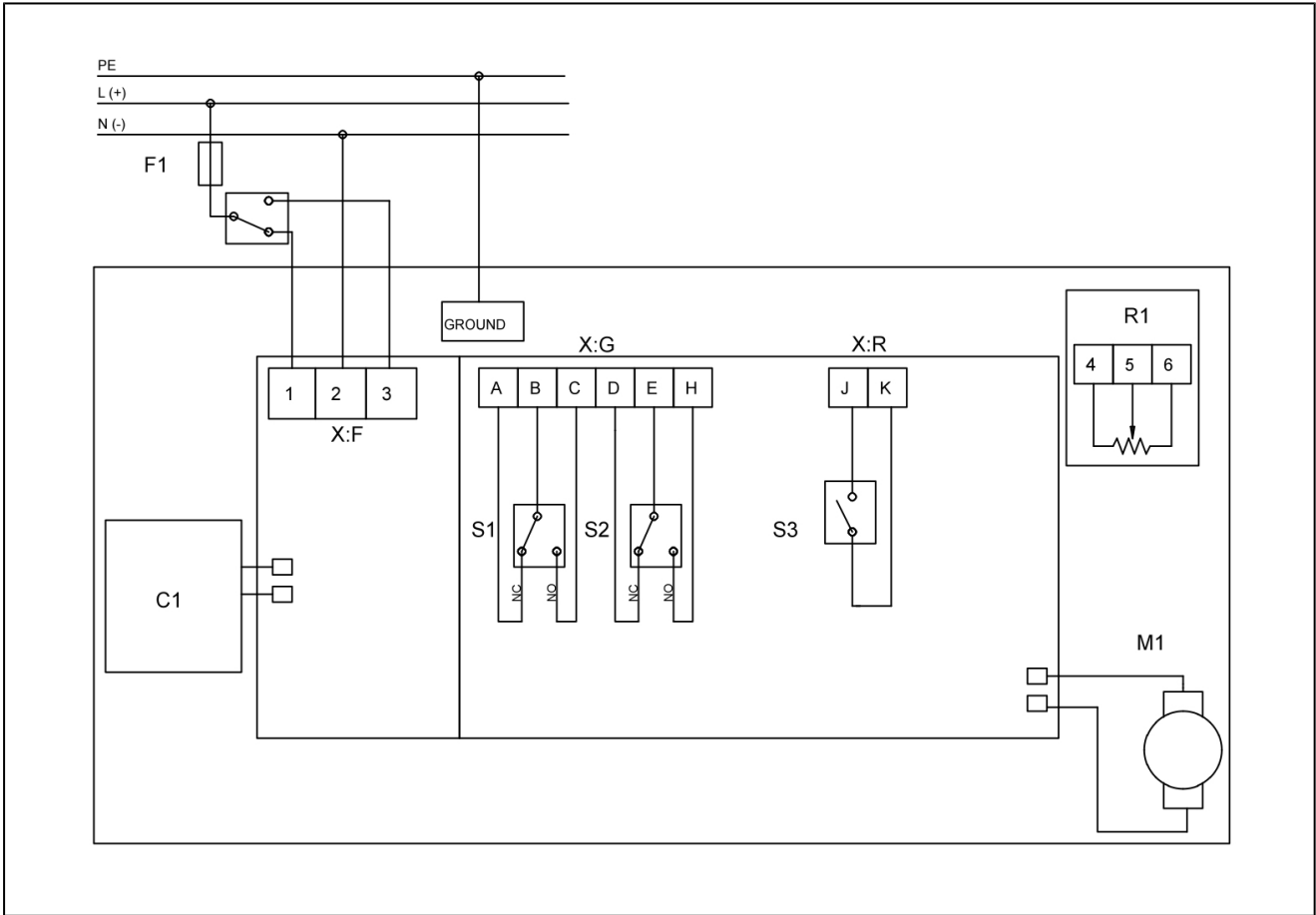
type	voltage	current consumption [A]	nominal torque [Nm]	duty cycle (S3)	operating time [Sek.]
VB015 -L-12	12V/50-60Hz/12VDC	1,2	15	AC 50% / DC 75%	10
VB015-L-24	24V/50-60Hz/24VDC	0,6	15	AC 50% / DC 75%	10
VB015-H	100-240V/50-60Hz	0,3-0,19	15	75%	10
VB030-L-12	12V/50-60Hz/12VDC	AC 2,2 / DC 1,8	30	50%	8
VB030-L	24V/50-60Hz/24VDC	AC 1,0 / DC 0,7	30	75%	8
VB030-H	100-240V/50-60Hz	0,4-0,2	30	75%	8

example for electric wiring VB015



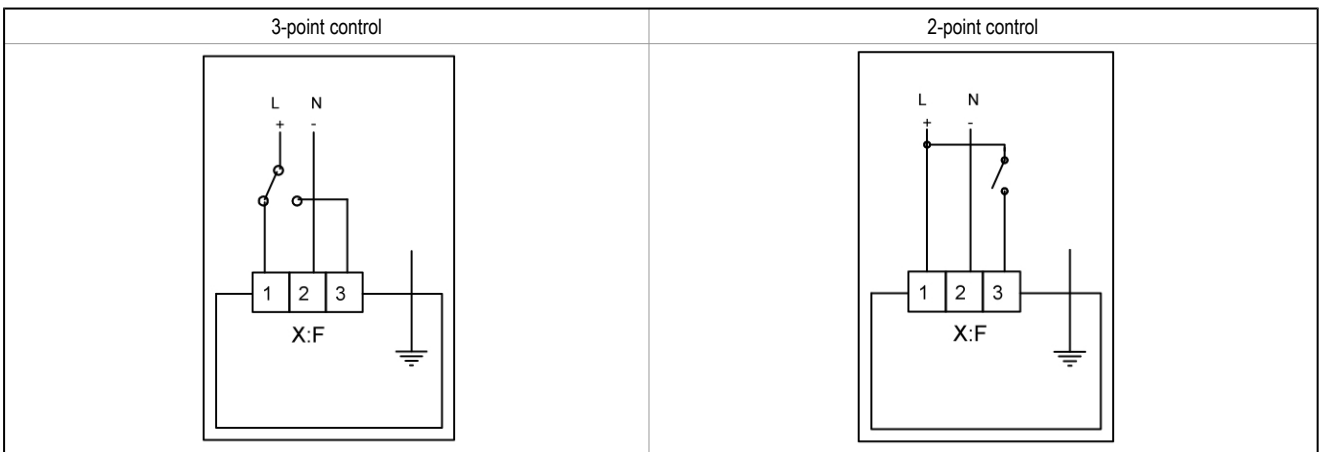
position	description	information
H	heating	standard
L	torque limiter	standard
MC	end position response close	standard max. 1A/250VAC-1A/30VDC
MO	end position response open	standard max. 1A/250VAC-1A/30VDC
MCL	actuator closing	
MOP	actuator opening	

example for electric wiring VB030

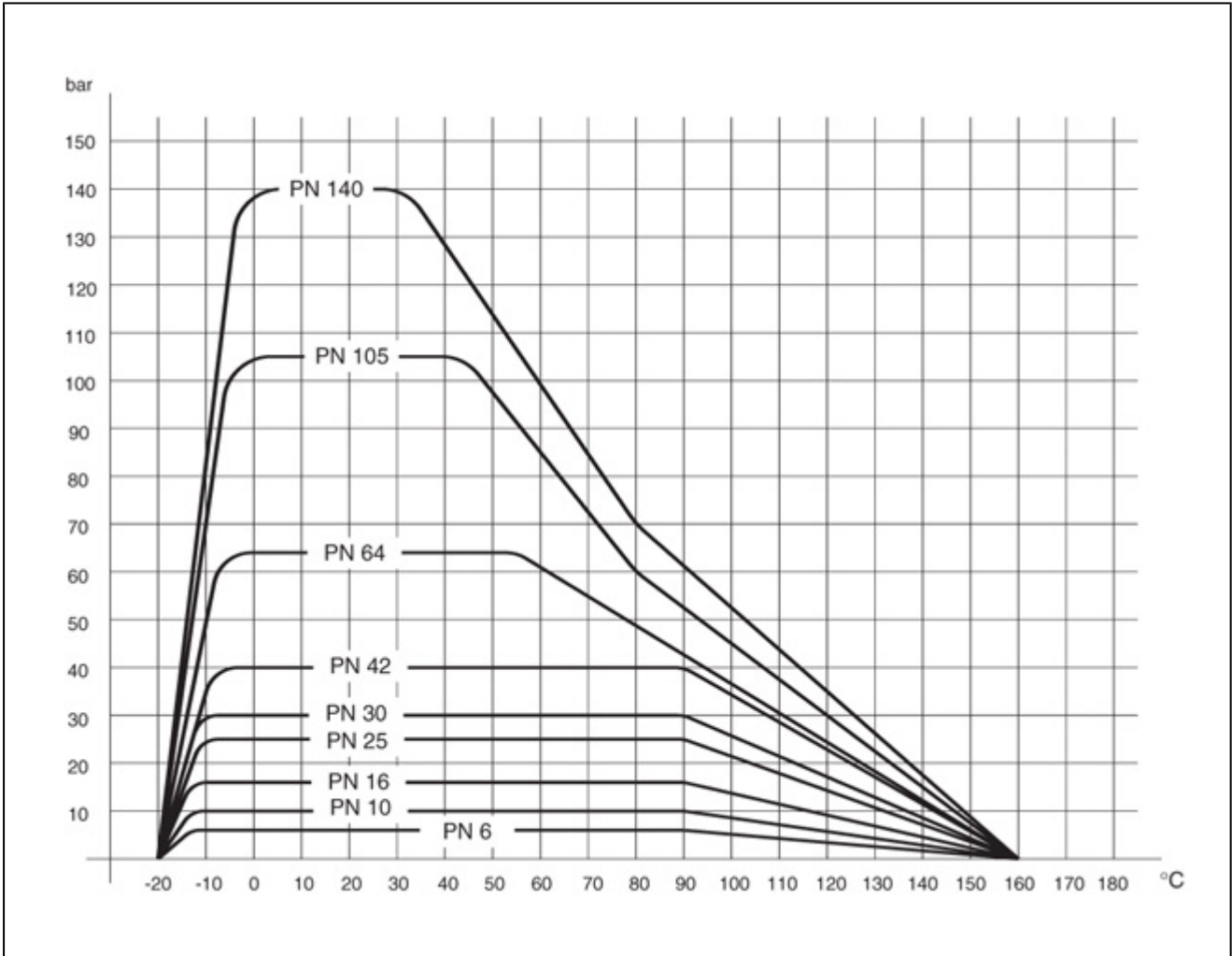


position	description	information
C1	accumulator for safety position	optionally available
R1	potentiometer 5 K Ω /1W	optionally available
S1	end position response close	standard max. 2A/250VAC-2A/30VDC
S2	end position response open	standard max. 2A/250VAC-2A/30VDC
S3	fault indicator	standard max. 1A/120VAC-2A/24VDC
X:F:1	terminal	actuator closing
X:F:2	terminal	
X:F:3	terminal	actuator opening

**2-point control or 3-point control by changing the electrical connections
VB030**



pressure-temperature-diagram



illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice