

# GGG40

## FLANGED AUTOMATIC BALL VALVE (ELECTRICAL)

IN SPHEROIDAL GRAPHITE CAST IRON

**BV3 - FL E - DN25 - DN150**



PED: 97/23/EG



### TECHNICAL DATA BALL VALVE

#### MATERIALS

Body: spheroidal cast iron GGG 40

Ball: type B grey cast iron  
GG 25 chrome plated  
Ball material E + F on  
request (additional costs):  
- type E stainless steel  
(1.4301) (hollow)  
- type F stainless steel  
(1.4408) (solid)

Ball seal E: PTFE + GF

Stem seal: Viton

#### WORKING TEMPERATURE

-20°C to +180°C

(depending on working pressure)

Note: temperature range of the actuator!

More than 50°C coupler+bracket must be used

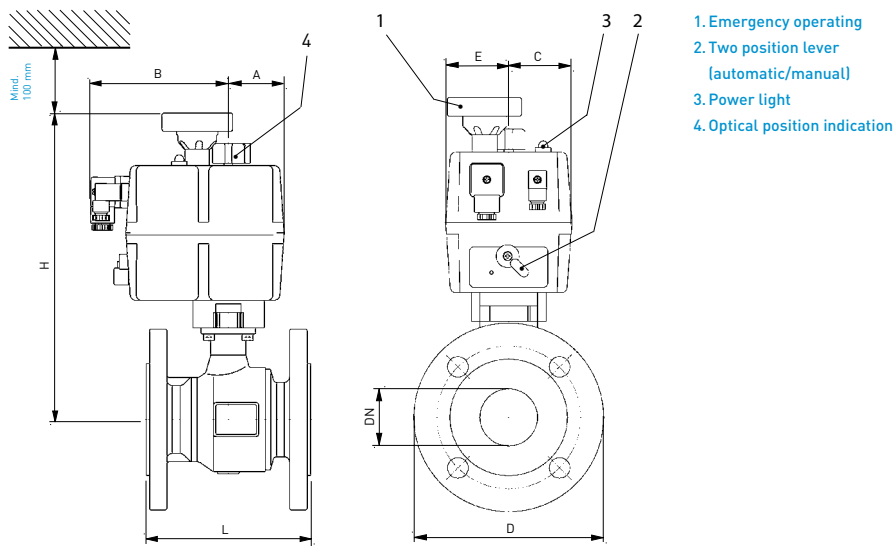
#### SUITABLE FOR

Oils, compressed air, water, fuels, gas

#### REMARKS

- Ball valve DN 150 can only be installed or removed with ball in open position.
- Ball type B = standard version  
Ball seal E = standard version

# GGG40 FLANGED AUTOMATIC BALL VALVE (ELECTRICAL)



- 1. Emergency operating
- 2. Two position lever (automatic/manual)
- 3. Power light
- 4. Optical position indication

## DIMENSIONS (MM)

DN	PN (bar) Ball valve	L	D	H ~	A	B	C	E	Mounting flange DIN ISO 5211	Actuator*	Weight (kg)
25	16	125	115	209	51	126	55	55	F 05	L/H 20	4.600
32	16	130	140	220	51	126	55	55	F 05	L/H 20	6.100
40	16	140	150	248	51	126	55	55	F 05	L/H 35	7.400
50	16	150	165	280	51	126	55	55	F 05	L/H 55	9.900
65	16	170	185	291	51	126	55	73	F 07	L/H 85	14.800

\* Actuator size for greasing mediums (for non-greasing mediums on request)

## TECHNICAL DATA ACTUATOR

### CHARACTERISTICS

- Series L (low) for 12-24V AC/DC
- Series H (high) for 85-240V AC+DC
- ETL (electronic torque limiting)
- AVS (automatic voltage sensing)
- ATC (automatic temperature control) intern switch room heater for prevention of condensation
- Mounting pad acc. to ISO 5211
- 4 limit switches (2 for motor adjustment, 2 for response)

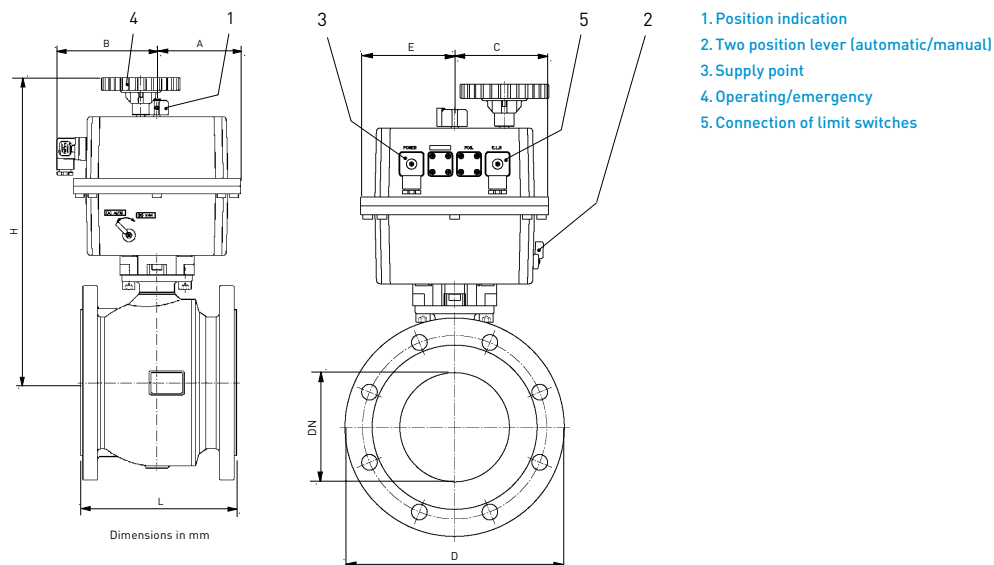
- Emergency operating
- Visual position indicator
- External plug connection acc. to DIN 43650
- Corrosion resistant synthetic body
- Temperature range -20°C to +70°C
- Mounting position free, not upside down

### SPECIAL VERSIONS

- Higher mounting (approx 60 mm) for medium temperatures over 50°C
- Other voltages and turning angles on request

Actuator series	ISO Flange	Octagon mm	Protection class	Operating factor	Min./Max. Power supply Model H 85-240V AC/DC (+/-5%)	Min./Max. Power supply Model L 12-24V AC/DC (-0/+5%)	Working torque (Nm)	Starting torque (Nm)	Time of cycle 90° without strain
20	F03/04/05	9/11/14	IP 65	75 %	0.01A - 0.21A	0.18A - 2.14A	20	25	L20 = 11 sec. (+/-10%) H20 = 11 sec. (+/-10%)
35	F03/04/05	9/11/14	IP 65	75 %	0.01A - 0.24A	0.33A - 3.23A	35	38	L35 = 12 sec. (+/-10%) H35 = 11 sec. (+/-10%)
55	F05/F07	14/17	IP 65	75 %	0.04A - 0.31A	0.33A - 4.12A	55	60	L55 = 17 sec. (+/-10%) H55 = 13 sec. (+/-10%)
85	F05/F07	14/17	IP 65	75 %	0.04A - 0.31A	0.35A - 4.64A	85	90	L85 = 33 sec. (+/-10%) H85 = 32 sec. (+/-10%)

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DN	PN (bar) ball valve	L	D	H ~	A	B	C	E	Mounting flange DIN ISO 5211	Actuator*	Weight (kg)
80	16	180	200	357	107	128	107	107	F 07	L/H 140	20.700
100	16	190	220	374	107	128	107	107	F 10	L/H 140	27.800
125	16	200	250	393	107	128	107	107	F 10	L/H 300	29.700
150	16	210	285	412	107	128	107	107	F 10	L/H 300	38.700

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140	F07/F10	22	IP 65	75 %	0.15A - 0.65A	0.6A - 6.4A	140	170	L140 = 33 sec. (+/-10%) H140 = 30 sec. (+/-10%)
300	F07/F10	22	IP 65	75 %	0.15A - 0.75A	1A - 6.9A	300	350	L300 = 66 sec. (+/-10%) H300 = 60 sec. (+/-10%)