

**Pneumatically operated
3-Way
Brass Nickel Plated ball valve
P8305**



P8305

Solid, pneumatically operated 3-Way nickel-plated brass ball valve with L- or T- Bore and GT Rotork actuator in double acting and single acting version.

SIZE

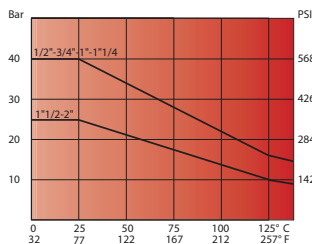
DN08 (1/4") to DN50 (2") Full bore

CONNECTION

- 2-Sided female thread according to UNI EN 10226 (DIN ISO 7/1)
- Mounting flange according to ISO 5211

NOMINAL PRESSURE

From PN40 (1/4) to PN25 (2")



TEMPERATURE RANGE

From -20° to +150°C

MATERIALS

Body: Brass CW 617 N UNI EN 12165
 Ball: Brass, hard chrome CW 614 N UNI EN 12164
 Ball seal: PTFE
 Shaft: Brass, hard chrome CW 614 N UNI EN 12164
 Shaft sealing: PTFE
 O-Ring: Elastomer
 Stuffing box gland: brass UNI EN 12164 CW 614 N
 Packed gland PTFE

FLOW DIRECTION

Random

MOUNTING POSITION

See mounting reference for industrial valves.

MEDIUM

Neutral gases and liquids. For applications with aggressive media consult resistance table. Certain media may increase the torque.

OPERATION (Standard)

With pneumatic actuator double acting or single acting version.

CONTROL MEDIUM

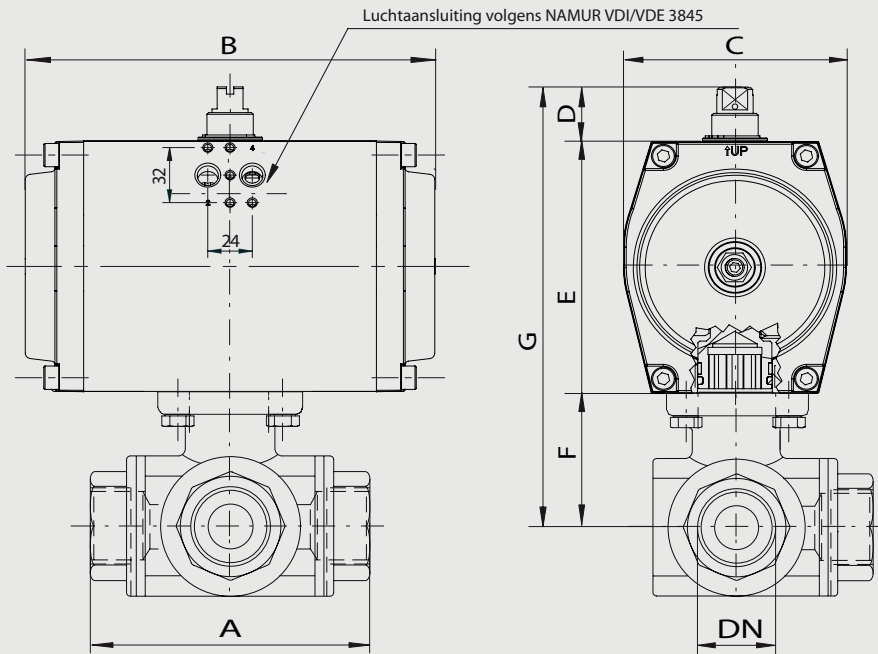
Compressed air or inert gases according PNEUROP/ISO class 4, other control medium on request.

CONTROL PRESSURE

- 5,5 bar, other control pressure on request.

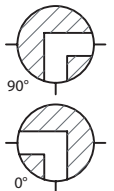
OPTIONS AND ACCESSORIES

Mechanical or inductive limit switches mounted in a switch box or single mounted on the actuator.



Double-acting ball valve, L4-bore with pipe threads

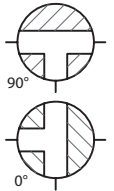
Nominal[mm] connection[mm]		max. press. [bar]	M(1) +30% [Nm]	Flange	Squa- re	Kv	Pneumatic Actuator	Dimension [mm] and weight [kg]								Order Code
DN	Rp	PN						A	B	C	D	E	F	G	Weight	
8	G1/4	40	7,2	F03	9	5,9	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050305
10	G3/8	40	7,2	F03	9	9,4	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050310
15	G1/2	40	7,2	F03	9	17	GTKB-052	64,5	133	68,5	30	74	38	142	1,90	3P83050315
20	G3/4	40	8,5	F03	9	41	GTKB-052	76	133	68,5	30	74	42	146	2,10	3P83050320
25	G1	40	12,5	F03/F04	9	70	GTKB-052	97	133	68,5	30	74	46,5	150,5	2,8	3P83050325
32	G1.1/4	40	19,5	F04/F05	11	121	GTKB-052	118	133	68,5	30	74	61,5	165,5	4,0	3P83050330
40	G1.1/2	25	32,5	F04/F05	11	200	GTKB-063	135	137	80	30	88	63,5	181,5	5,6	3P83050335
50	G2	25	43,0	F05	14	292	GTKB-075	157	161	92,5	30	100	74	204	9,3	3P83050340



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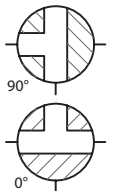
Double-acting ball valve, T1-bore with pipe threads

Nominal[mm] connection[mm]		max. press. [bar] PN	M(1) +30% [Nm]	Flange	Squa- re	Kv	Pneumatic Actuator	Dimension [mm] and weight [kg]							Order Code	
DN	Rp							A	B	C	D	E	F	G		Weight
8	G1/4	40	7,2	F03	9	5,9	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050405
10	G3/8	40	7,2	F03	9	9,4	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050410
15	G1/2	40	7,2	F03	9	17	GTKB-052	64,5	133	68,5	30	74	38	142	1,90	3P83050415
20	G3/4	40	8,5	F03	9	41	GTKB-052	76	133	68,5	30	74	42	146	2,10	3P83050420
25	G1	40	12,5	F03/F04	9	70	GTKB-052	97	133	68,5	30	74	46,5	150,5	2,8	3P83050425
32	G1.1/4	40	19,5	F04/F05	11	121	GTKB-052	118	133	68,5	30	74	61,5	165,5	4,0	3P83050430
40	G1.1/2	25	32,5	F04/F05	11	200	GTKB-063	135	137	80	30	88	63,5	181,5	5,6	3P83050435
50	G2	25	43,0	F05	14	292	GTKB-075	157	161	92,5	30	100	74	204	9,3	3P83050440



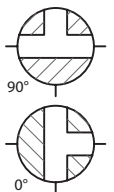
Double-acting ball valve, T2-bore with pipe threads

Nominal[mm] connection[mm]		max. press. [bar] PN	M(1) +30% [Nm]	Flange	Squa- re	Kv	Pneumatic Actuator	Dimension [mm] and weight [kg]							Order Code	
DN	Rp							A	B	C	D	E	F	G		Weight
8	G1/4	40	7,2	F03	9	5,9	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050505
10	G3/8	40	7,2	F03	9	9,4	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050510
15	G1/2	40	7,2	F03	9	17	GTKB-052	64,5	133	68,5	30	74	38	142	1,90	3P83050515
20	G3/4	40	8,5	F03	9	41	GTKB-052	76	133	68,5	30	74	42	146	2,10	3P83050520
25	G1	40	12,5	F03/F04	9	70	GTKB-052	97	133	68,5	30	74	46,5	150,5	2,8	3P83050525
32	G1.1/4	40	19,5	F04/F05	11	121	GTKB-052	118	133	68,5	30	74	61,5	165,5	4,0	3P83050530
40	G1.1/2	25	32,5	F04/F05	11	200	GTKB-063	135	137	80	30	88	63,5	181,5	5,6	3P83050535
50	G2	25	43,0	F05	14	292	GTKB-075	157	161	92,5	30	100	74	204	9,3	3P83050540



Double-acting ball valve, T3-bore with pipe threads

Nominal[mm] connection[mm]		max. press. [bar] PN	M(1) +30% [Nm]	Flange	Squa- re	Kv	Pneumatic Actuator	Dimension [mm] and weight [kg]							Order Code	
DN	Rp							A	B	C	D	E	F	G		Weight
8	G1/4	40	7,2	F03	9	5,9	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050605
10	G3/8	40	7,2	F03	9	9,4	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050610
15	G1/2	40	7,2	F03	9	17	GTKB-052	64,5	133	68,5	30	74	38	142	1,90	3P83050615
20	G3/4	40	8,5	F03	9	41	GTKB-052	76	133	68,5	30	74	42	146	2,10	3P83050620
25	G1	40	12,5	F03/F04	9	70	GTKB-052	97	133	68,5	30	74	46,5	150,5	2,8	3P83050625
32	G1.1/4	40	19,5	F04/F05	11	121	GTKB-052	118	133	68,5	30	74	61,5	165,5	4,0	3P83050630
40	G1.1/2	25	32,5	F04/F05	11	200	GTKB-063	135	137	80	30	88	63,5	181,5	5,6	3P83050635
50	G2	25	43,0	F05	14	292	GTKB-075	157	161	92,5	30	100	74	204	9,3	3P83050640

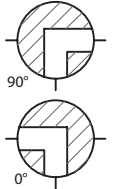


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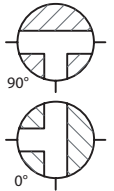
Single-acting ball valve, L4-bore with pipe threads

Nominal[mm] connection[mm]		max. press. [bar]	M(1) +30% [Nm]	Flange	Squa- re	Kv	Pneumatic Actuator	Dimension [mm] and weight [kg]								Order Code
DN	Rp	PN						A	B	C	D	E	F	G	Weight	
8	G1/4	40	7,2	F03	9	5,9	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050705
10	G3/8	40	7,2	F03	9	9,4	GTKB-052	64,5	133	68,5	30	74	38	142	1,83	3P83050710
15	G1/2	40	7,2	F03	9	17	GTKB-052	64,5	133	68,5	30	74	38	142	1,80	3P83050715
20	G3/4	40	8,5	F03	9	41	GTKB-063	76	137	80	30	88	42	160	2,8	3P83050720
25	G1	40	12,5	F03/F04	9	70	GTKB-075	97	161	92,5	30	100	46,5	176,5	4,45	3P83050725
32	G1.1/4	40	19,5	F04/F05	11	121	GTKB-075	118	161	92,5	30	100	61,5	191,5	5,65	3P83050730
40	G1.1/2	25	32,5	F04/F05	11	200	GTKB-083	135	180	92,5	30	100	63,5	193,5	7,0	3P83050735
50	G2	25	43,0	F05	14	292	GTKB-092	157	209	110,5	30	117	74	221	11,3	3P83050740



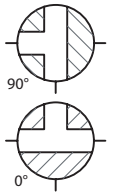
Single-acting ball valve, T1-bore with pipe threads

Nominal[mm] connection[mm]		max. press. [bar] PN	M(1) +30% [Nm]	Flange	Squa- re	Kv	Pneumatic Actuator	Dimension [mm] and weight [kg]							Order Code	
DN	Rp							A	B	C	D	E	F	G		Weight
8	G1/4	40	7,2	F03	9	5,9	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050805
10	G3/8	40	7,2	F03	9	9,4	GTKB-052	64,5	133	68,5	30	74	38	142	1,83	3P83050810
15	G1/2	40	7,2	F03	9	17	GTKB-052	64,5	133	68,5	30	74	38	142	1,80	3P83050815
20	G3/4	40	8,5	F03	9	41	GTKB-063	76	137	80	30	88	42	160	2,8	3P83050820
25	G1	40	12,5	F03/F04	9	70	GTKB-075	97	161	92,5	30	100	46,5	176,5	4,45	3P83050825
32	G1.1/4	40	19,5	F04/F05	11	121	GTKB-075	118	161	92,5	30	100	61,5	191,5	5,65	3P83050830
40	G1.1/2	25	32,5	F04/F05	11	200	GTKB-083	135	180	92,5	30	100	63,5	193,5	7,0	3P83050835
50	G2	25	43,0	F05	14	292	GTKB-092	157	209	110,5	30	117	74	221	11,3	3P83050840



Single-acting ball valve, T2-bore with pipe threads

Nominal[mm] connection[mm]		max. press. [bar] PN	M(1) +30% [Nm]	Flange	Squa- re	Kv	Pneumatic Actuator	Dimension [mm] and weight [kg]							Order Code	
DN	Rp							A	B	C	D	E	F	G		Weight
8	G1/4	40	7,2	F03	9	5,9	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83050905
10	G3/8	40	7,2	F03	9	9,4	GTKB-052	64,5	133	68,5	30	74	38	142	1,83	3P83050910
15	G1/2	40	7,2	F03	9	17	GTKB-052	64,5	133	68,5	30	74	38	142	1,80	3P83050915
20	G3/4	40	8,5	F03	9	41	GTKB-063	76	137	80	30	88	42	160	2,8	3P83050920
25	G1	40	12,5	F03/F04	9	70	GTKB-075	97	161	92,5	30	100	46,5	176,5	4,45	3P83050925
32	G1.1/4	40	19,5	F04/F05	11	121	GTKB-075	118	161	92,5	30	100	61,5	191,5	5,65	3P83050930
40	G1.1/2	25	32,5	F04/F05	11	200	GTKB-083	135	180	92,5	30	100	63,5	193,5	7,0	3P83050935
50	G2	25	43,0	F05	14	292	GTKB-092	157	209	110,5	30	117	74	221	11,3	3P83050940



Single-acting ball valve, T3-bore with pipe threads

Nominal[mm] connection[mm]		max. press. [bar] PN	M(1) +30% [Nm]	Flange	Squa- re	Kv	Pneumatic Actuator	Dimension [mm] and weight [kg]							Order Code	
DN	Rp							A	B	C	D	E	F	G		Weight
8	G1/4	40	7,2	F03	9	5,9	GTKB-052	64,5	133	68,5	30	74	38	142	1,85	3P83051005
10	G3/8	40	7,2	F03	9	9,4	GTKB-052	64,5	133	68,5	30	74	38	142	1,83	3P83051010
15	G1/2	40	7,2	F03	9	17	GTKB-052	64,5	133	68,5	30	74	38	142	1,80	3P83051015
20	G3/4	40	8,5	F03	9	41	GTKB-063	76	137	80	30	88	42	160	2,8	3P83051020
25	G1	40	12,5	F03/F04	9	70	GTKB-075	97	161	92,5	30	100	46,5	176,5	4,45	3P83051025
32	G1.1/4	40	19,5	F04/F05	11	121	GTKB-075	118	161	92,5	30	100	61,5	191,5	5,65	3P83051030
40	G1.1/2	25	32,5	F04/F05	11	200	GTKB-083	135	180	92,5	30	100	63,5	193,5	7,0	3P83051035
50	G2	25	43,0	F05	14	292	GTKB-092	157	209	110,5	30	117	74	221	11,3	3P83051040

