

PKH.EP.3E.I

11-37e



PKH.GE.3E.I

Tough pneumatically driven stainless steel ball valve with stainless steel housing, L- or T-bore.

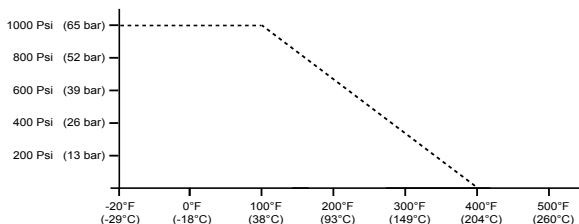
SIZE

DN15 (1/2") to DN50 (2")

CONNECTION

Internal thread DIN ISO 7/1
Mounting flange ISO 5211

NOMINAL PRESSURE



MATERIAL

Body: Stainless steel AISI 316
Ball: AISI 316
Ball seal: PTFE, glasfiber
Stem: Stainless steel AISI 316
Stem seal: PTFE
O-Ring: Viton

AMBIENT TEMPERATURE (Actuator)

Standard version: From -50°C to +70°C (NBR)
Special versions: From -15°C to 160°C or
-30°C to +200°C on request. Temperature range
ball valve see nominal pressure (Pressure/temperature)

FLOW DIRECTION

Random

MOUNTING POSITION

See mounting reference for industrial valves.

FLOW MEDIUM

Neutral gases and fluids. For aggressive medium see material resistance table. Medium which lead to an increase of operating torque could require other actuator size.

OPERATION METHOD (Standard)

Pneumatic actuators, double- or single acting, spring open (NO) or spring closed (NC) version.

Approvals actuator: SIL 3, ATEX, GOST, ROS

CONTROL MEDIUM

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

CONTROL PRESSURE

5,5 bar, other control pressure on request.

PNEUMATIC CONTROL

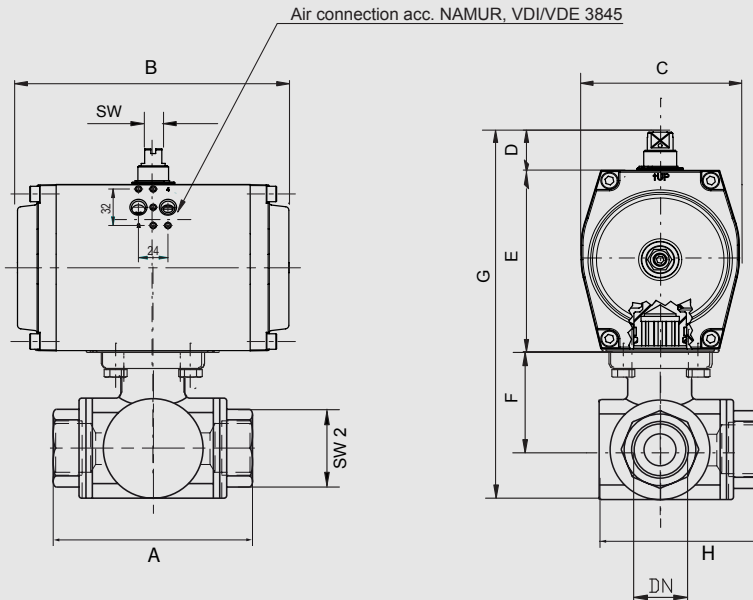
With either direct-mounted (NAMUR) or separate 3/2- or 5/2-way control valve or positioner.

OPTIONS AND ACCESSORIES

Limit switch box with mechanical microswitches or inductive sensors.

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
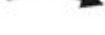


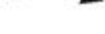



PKH.GE.3E.I.L1	Nominal width [mm]		max. press [bar] PN	M(1) + 30% [Nm]	Flangae	square	Pneumatic actuator	Dimension [mm] and weight [kg]										order no.	
	DN	Rp						A	B	C	D	E	F	G	H	SW	SW2		weight
double acting, L-bore	15	1/2"	63	13	F03/F04	9	GTKB.44x90	73	116	61,5	30	65	35	150	61,5	10	27	1,55	350.622-L1
	20	3/4"	63	18	F04/F05	11	GTKB.44x90	80	116	61,5	30	65	41	159	66	10	32	2,10	350.623-L1
	25	1"	63	22	F04/F05	11	GTKB.52x90	90	133	68,5	30	74	44,5	177	81,5	10	41	2,80	350.624-L1
	32	1 1/4"	63	35	F05/F07	14	GTKB.52x90	90	133	68,5	30	74	49,5	190	100	10	50	4,65	350.625-L1
	40	1 1/2"	63	42	F05/F07	14	GTKB.63x90	105	137	80	30	88	55	210	122	10	55	6,30	350.626-L1
	50	2"	63	68	F05/F07	14	GTKB.75x90	115	161	92,5	30	100	66,5	244	142	10	71	10,4	350.627-L1
single acting, L-bore	15	1/2"	63	13	F03/F04	9	GTKB.52x90.10	73	133	68,5	30	74	35	159	61,5	10	27	1,95	350.632-L1
	20	3/4"	63	18	F04/F05	11	GTKB.63x90.10	80	137	80	30	88	41	182	66	10	32	2,87	350.633-L1
	25	1"	63	22	F04/F05	11	GTKB.75x90.08	90	161	92,5	30	100	44,5	203	81,5	10	41	4,45	350.634-L1
	32	1 1/4"	63	35	F05/F07	14	GTKB.75x90.08	90	161	92,5	30	100	49,5	216	100	10	50	6,15	350.635-L1
	40	1 1/2"	63	42	F05/F07	14	GTKB.83x90.10	105	180	92,5	30	100	55	222	122	10	55	7,15	350.636-L1
	50	2"	63	68	F05/F07	14	GTKB.92x90.10	115	209	110,5	30	117	66,5	261	142	14	71	11,9	350.637-L1
double acting, T-bore, T1	15	1/2"	63	13	F03/F04	9	GTKB.44x90	73	116	61,5	30	65	35	150	61,5	10	27	1,55	350.912-T1
	20	3/4"	63	18	F04/F05	11	GTKB.44x90	80	116	61,5	30	65	41	159	66	10	32	2,10	350.913-T1
	25	1"	63	22	F04/F05	11	GTKB.52x90	90	133	68,5	30	74	44,5	177	81,5	10	41	2,80	350.914-T1
	32	1 1/4"	63	35	F05/F07	14	GTKB.52x90	90	133	68,5	30	74	49,5	190	100	10	50	4,65	350.915-T1
	40	1 1/2"	63	42	F05/F07	14	GTKB.63x90	105	137	80	30	88	55	210	122	10	55	6,30	350.916-T1
	50	2"	63	68	F05/F07	14	GTKB.75x90	115	161	92,5	30	100	66,5	244	142	10	71	10,4	350.917-T1
double acting T-bore, T2	15	1/2"	63	13	F03/F04	9	GTKB.44x90	73	116	61,5	30	65	35	150	61,5	10	27	1,55	350.912-T2
	20	3/4"	63	18	F04/F05	11	GTKB.44x90	80	116	61,5	30	65	41	159	66	10	32	2,10	350.913-T2
	25	1"	63	22	F04/F05	11	GTKB.52x90	90	133	68,5	30	74	44,5	177	81,5	10	41	2,80	350.914-T2
	32	1 1/4"	63	35	F05/F07	14	GTKB.52x90	90	133	68,5	30	74	49,5	190	100	10	50	4,65	350.915-T2
	40	1 1/2"	63	42	F05/F07	14	GTKB.63x90	105	137	80	30	88	55	210	122	10	55	6,30	350.916-T2
	50	2"	63	68	F05/F07	14	GTKB.75x90	115	161	92,5	30	100	66,5	244	142	10	71	10,4	350.917-T2

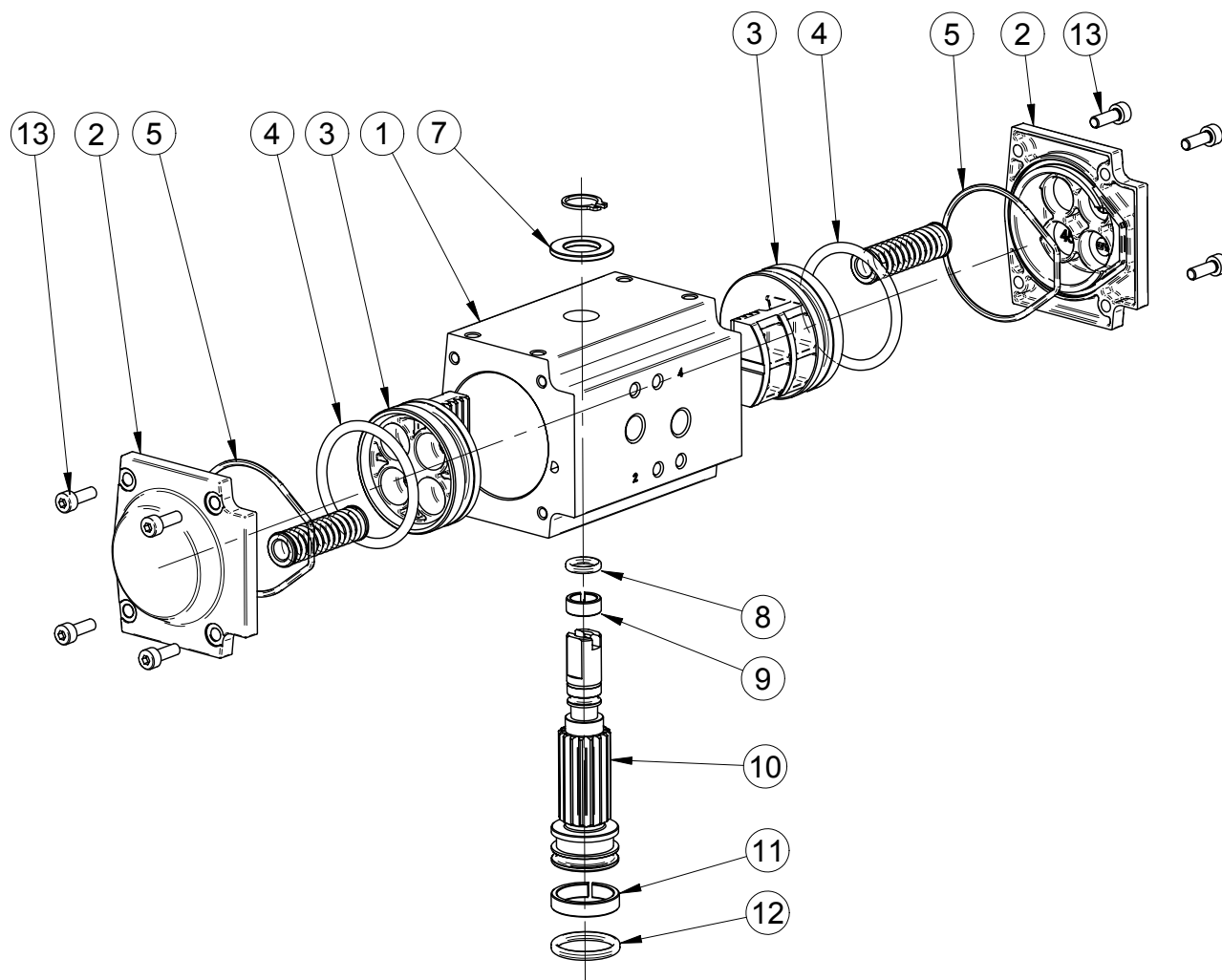
(1) = Ball valve break torque incl. 30%.

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Position			
Variants	Normal position 0°	Rotating direction	Valve position 90°
L1			
L2			
T1			
T2			
T3			
T4			
T5			
T6			
T7			
T8			

Materials - pneumatic actuators type GTK, GTX, GTW



MATERIAL LIST

type	description	materials
standard version	Body (1)	Extruded aluminium alloy astm 6063 anodized 10681
	End caps (2)	Die-cast aluminium alloy EN AC-46100 UNI EN 1706:1999, color RAL 5015 (blue)
	Piston (3)	Die-cast aluminium alloy EN AC-46100 UNI EN 1706:1999
	O-Ring (5, 8, 12)	NBR 70 SH (Perbunan)
	Guide set (4, 7, 9, 11)	DELRIN ISO 9988
	Pinion (10)	Steel 11SMNPNB37, electroless nickel plated
	Screws (13)	Stainless steel AISI 304
chemical version	Body (1)	Extruded aluminium alloy astm 6063 anodized 10681, hardcoated and teflon
	End caps (2)	Die-cast aluminium alloy EN AC-46100 UNI EN 1706:1999, color RAL 5015 (blue)
	Pistons (3)	Die-cast aluminium alloy EN AC-46100 UNI EN 1706:1999
	O-Ring (5, 8, 12)	NBR 70 SH (Perbunan)
	Guide set (4, 7, 9, 11)	DELRIN ISO 9988
	Pinion (10)	Stainless steel AISI 304
	Screws (13)	Stainless steel AISI 304