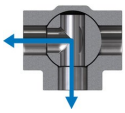
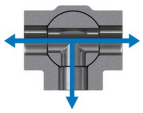
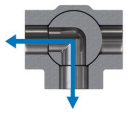
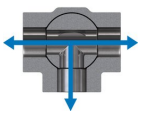
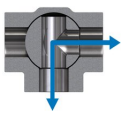
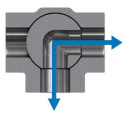
Partnership. With Guarantee.

3-Way high-pressure ball valves made of zinc-plated steel
Series BA236, BA646

Design type	3-way ball valve with floating ball, reduced passage, double-sealed, non-overlapping, Pressure inlet front only
Connection	G1/8"...G11/4" according to ISO228/1 or rather 6L...35L and 8S...38S after EN ISO 8434-1 (DIN 2353)
Materials	Housing steel, zinc-plated, Steel ball, Ball seal POM, Spindle seal NBR, Hand lever zinc die-cast
Mounting type	Installation in rigid piping system
Mounting position	any
Application range	Fluids of group 2 according to PED 2014/68/EU that do not attack the materials used.
Medium temperature	-20... +100°C
Operating pressure	up to the nominal pressure PN, see tables
Actuation	by 90° rotation of the hand lever
Approvals	ATEX on request
Special versions	Seals made of PTFE, PEEK, Pressure port as required and Stainless steel on request
Accessories	Shut-off device and Limit switch on request

Circuit diagram

T-port hole		L-bore
Switching type 01	Switching type 04	Switching type 05
Position 1		
		
Position 2		
		

The handles can each be repositioned by 90°. After removing the central fixing screws, the notch on the top of the spindle becomes visible; it indicates the ball position and also allows the valve type to be identified.

+43 512 52076
austria@stasto.eu
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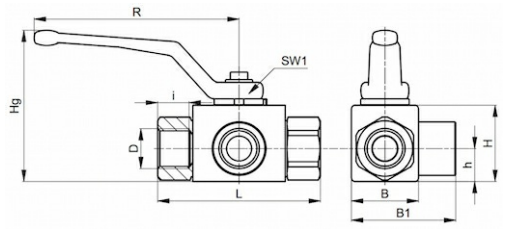
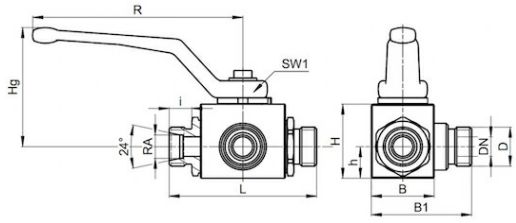
Dimensions



D	Nominal size DN[mm]	PN [bar]	B	B1	H	h	Hg	i	L	R	SW1	Weight [approx. kg]	Type T-port hole	Type L-bore
G1/8"	4	500	29	47,5	33	13,5	82	10	69	115	9	0,40	BA646-18-L	BA236-18-L
G1/4"	6	500	29	47,5	33	13,5	82	14	69	115	9	0,46	BA646-14-L	BA236-14-L
G3/8"	10	500	35	52	38	17,5	86	14	72	115	9	0,60	BA646-38-L	BA236-38-L
G1/2"	13	500	38	59	40	19	89	16,3	83	115	9	0,70	BA646-12-L	BA236-12-L
G3/4"	20	315	52	72	57	24,5	79	18	95	200	14	1,80	BA646-34-L	BA236-34-L
G1"	25	315	61	85,5	65	29,5	87	20	113	200	14	2,40	BA646-10-L	BA236-10-L
G11/4"	25	315	61	84	65	29,5	87	22	120	200	14	2,64	BA646-114-L	BA236-114-L



D	Nominal size DN[mm]	PN [bar]	B	B1	H	h	Hg	i	L	R	RA	SW1	Weight [approx. kg]	Type T-port hole	Type L-bore
M12x1,5	4	500	29	46,5	33	13,5	82	7	67	115	6	9	0,30	BA646-6L-L	BA236-6L-L
M14x1,5	6	500	29	46,5	33	13,5	82	7	67	115	8	9	0,40	BA646-8L-L	BA236-8L-L
M16x1,5	8	500	29	47,5	33	13,5	82	7	74	115	10	9	0,40	BA646-10L-L	BA236-10L-L
M18x1,5	10	500	35	52,5	38	17,5	86	7	74	115	12	9	0,50	BA646-12L-L	BA236-12L-L
M22x1,5	13	500	38	58,5	40	19	89	7	82	115	15	9	0,65	BA646-15L-L	BA236-15L-L
M26x1,5	13	500	38	58,5	40	19	89	7,5	82	115	18	9	0,69	BA646-18L-L	BA236-18L-L
M30x2	20	315	52	72,5	57	24,5	79	7,5	101	200	22	14	1,5	BA646-22L-L	BA236-22L-L
M36x2	25	315	61	83	65	29,5	87	7,5	108	200	25	14	2,1	BA646-28L-L	BA236-28L-L
M36x2	25	315	61	85	65	29,5	87	10,5	112	200	35	14	2,50	BA646-35L-L	BA236-35L-L

D	Nominal size DN[mm]	PN [bar]	B	B1	H	h	Hg	i	L	R	RA	SW1	Weight [approx. kg]	Type T-port hole	Type L-bore
M16x1,5	4	500	29	47,5	33	13,5	82	7	73	115	8	9	0,42	BA646-8S-L	BA236-8S-L
M18x1,5	6	500	29	47,5	33	13,5	82	7,5	73	115	10	9	0,43	BA646-10S-L	BA236-10S-L
M20x1,5	8	500	29	47,5	33	13,5	82	7,5	76	115	12	9	0,44	BA646-12S-L	BA236-12S-L
M22x1,5	10	500	35	52,8	38	17,5	86	8	80	115	14	9	0,50	BA646-14S-L	BA236-14S-L
M24x1,5	13	500	38	60,5	40	19	89	8,5	86	115	16	9	0,65	BA646-16S-L	BA236-16S-L
M30x2	13	500	38	60,5	40	19	89	10,5	90	115	20	9	0,70	BA646-20S-L	BA236-20S-L
M36x2	20	315	52	72,5	57	24,5	79	12	109	200	25	14	1,70	BA646-25S-L	BA236-25S-L
M42x2	25	315	61	86,5	65	29,5	87	13,5	120	200	30	14	2,40	BA646-30S-L	BA236-30S-L
M42x2	25	315	61	86,5	65	29,5	87	16	124	200	38	14	2,80	BA646-38S-L	BA236-38S-L

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