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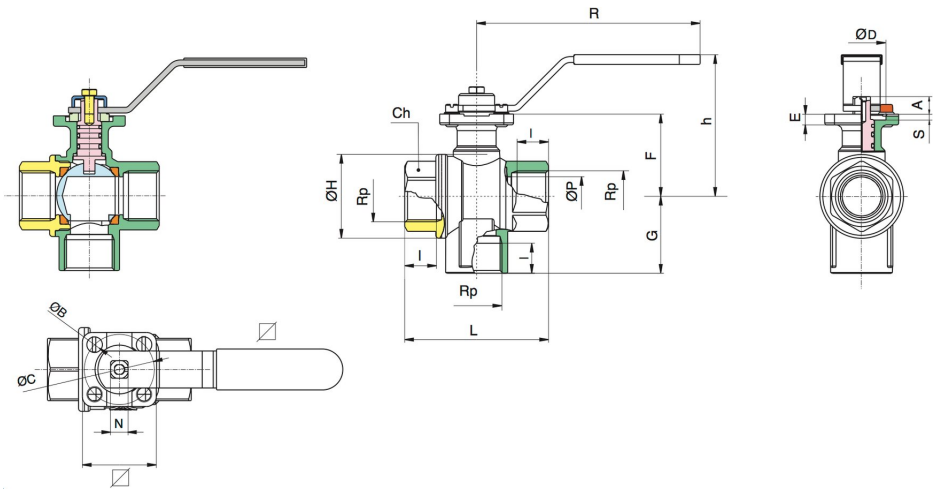
Three-way ball valves made of brass
Series 3210N

Design type	Shut-off valve with floating ball, full bore passage, RP1/4"...RP2" with mounting flange ISO 5211 for rotary actuator, RP3" without mounting flange
Connection	RP1/4"...RP3" according to ISO7/1
Materials	Body Brass CW617N nickel-plated, Ball brass CW617N hard chrome-plated, Ball seal PTFE, Spindle seal PTFE/FKM/EPDM, Hand lever steel galvanized with black PVC coating
Mounting type	Installation in rigid piping system
Mounting position	any
Application range	Gases and liquids of group 2 in accordance with PED 2014/68/EU that do not attack the materials used.
Medium temperature	-15...+120°C
Operating pressure	Nominal pressure according to table and pressure-temperature diagram
Actuation	by 90° or 180° rotation of the hand lever



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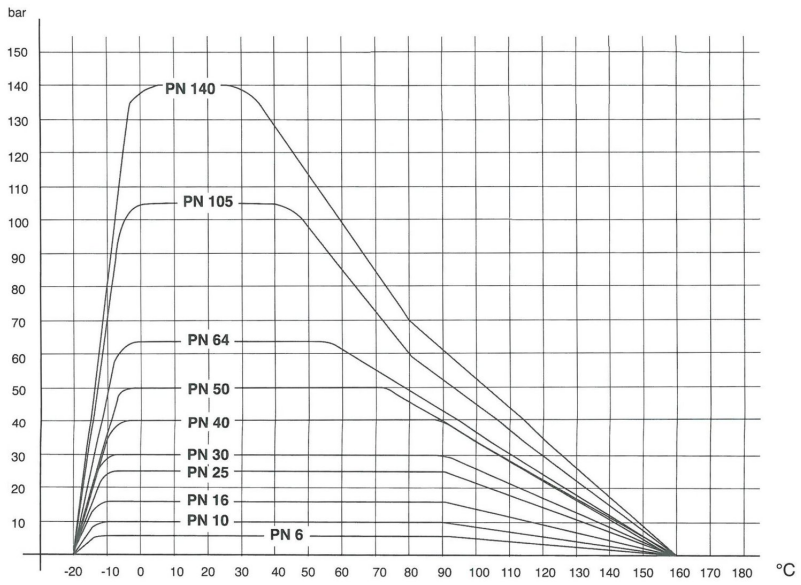
Connection	A	B	C	Ch	D	E	F	G	H	h	I	L	N	P	R	S	T
RP1/4"	9	M7	36	22	25	5,5	28,5	26	28	60	11	52	9	10	115	2	38
RP3/8"	9	M7	36	22	25	5,5	28,5	26	28	60	11,4	52	9	10	115	2	38
RP1/2"	9	M7	36	27	25	5,5	31	33,5	34,5	62	15	64	9	15	115	2	38
RP3/4"	9	M7	36	32	25	5,5	42	39,5	43	73	16,3	74	9	20	115	3	38
RP1"	9	M7	36	41	25	6	45	47	53	76	19,1	89	9	25	115	3	38
RP11/4"	9	M7	36	50	25	6	49	54,5	63	79,5	21,4	100	9	32	115	3	38
RP11/2"	11	7	50	55	35	8	61,5	61,5	77	95	21,4	110	11	40	170	3	50
RP2"	11	7	50	70	35	8	67	73	93	101	25,7	130	11	50	170	3	50
RP3"	-	-	-	105	-	-	-	106	148	152	33,3	197	20	80	260	-	-

Nominal size DN[mm]	PN [bar]	Kv value [m^3/h]	Weight [approx. kg]	Type
8	25	2,25	0,34	3210N-1/4"
10	25	2,7	0,31	3210N-3/8"
15	25	6	0,44	3210N-1/2"
20	16	11,5	0,61	3210N-3/4"
25	16	18,3	0,92	3210N-1"
32	10	27,2	1,28	3210N-11/4"
40	10	47,3	2,00	3210N-11/2"
50	10	73	3,17	3210N-2"
80	6	177,5	9,50	3210-3"

Since in this valve the ball is sealed only by two sealing cups, only the lower connection may be used as the inlet if the valve is to be tight over the entire pressure range.. Switching is performed by a 180° lever movement. After a 90° lever movement, all three ports are blocked (non-overlapping).

Pressure-temperature diagram



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