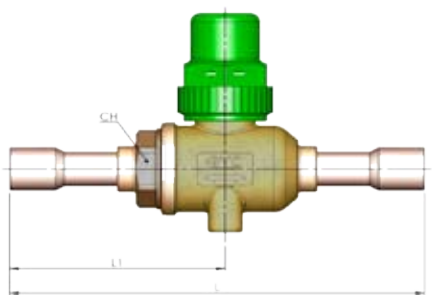
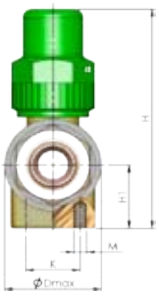
Dimensions and technical specification of the ball valves type BV

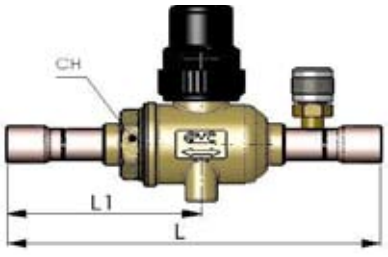
Type		ODS Ø		NPT	OR (M)	Ball port [mm]	Kv [m^3/h]@dP=1bar	Fluid temp. [°C]	PS [bar]	Dimensions [mm]								Category 97/23/CE PED
		[in.]	[mm]							L	L1	H	H_1	Dmax	CH	K	M	
BV2		1/4"	-	-	-	12	1,1	-45 ÷ 150	45	120	62	76	22	32	24	18	M5	Art. 3.3
BV3	BV3A	3/8"	-	-	-		3,2											
BVM10	BVM10A	-	10	-	-													
BVM12	BVM12A	-	12	-	-		6,0			122								
BV4	BV4A	1/2"	-	-	-													
BV5	BV5A	5/8"	16	-	-		14,2			135	69							
BV7R		7/8"	22	-	-					169	86							
BVR½NPT		-	-	1/2"	-		10,0			81	46	64	20			-	-	
BVR½NPT-OR		-	-	1/2"(F)	1.1/16"									34	30	-	-	
BV½NPT		-	-	1/2"	-	20	12,0			91	56	89	28	44	36	18	M5	
BVM18	BVM18A	-	18	-	-		18,0			153	80							
BV6	BV6A	3/4"	-	-	-													
BV7	BV7A	7/8"	22	-	-		27,5			169	86							
BV9R		1.1/8"	-	-	-					198	102							
BV1NPT		-	-	1"	-	25	21,0			110	67	94	30	50	41	30	M6	
BV1NPT-OR		-	-	1"(F)	1.1/16"					100	59							
BVM28	BVM28A	-	28	-	-		40,5			207	109							
BV9	BV9A	1.1/8"	-	-	-													
BV11R		1.3/8"	35	-	-					250	130							
BV11	BV11A	1.3/8"	35	-	-	32	67,5			245	130	119	38	66	54			
BV13R		1.5/8"	-															
BVM42R		-	42	-	-													
BV13	BV13A	1.5/8"	-	-	-	40	115,0			260	137	131	45	76	62			Cat. I
BVM42	BVM42A	-	42	-	-													
BV17R		2.1/8"	54	-	-					292	152							
BV17	BV17A	2.1/8"	54	-	-	50	185,0			294	160	150	55	92	75			
BV21	BV21A	2.5/8"	-	-	-													
BVM64R	BVM64RA	-	64	-	-		190,0											
BVM64	BVM64A	-	64	-	-	65	295,0			330	176,5	169	62	120	100	75	M10	
BV21D	BV21DA	2.5/8"	-	-	-													
BV24R	BV24RA	3"	-	-	-					350	187							
BV25R	BV25RA	3.1/8"	-	-	-													

APPLICATION: All the ball valves product range is suitable for use with fluids proper to the Group II, as defined in Article 9, Section 2.2 of Directive 97/23/EC, therefore not toxic, not inflammable and not explosive fluids; to this macro Group II belong also the refrigerant fluids listed and classified L1 in Annex E of standard EN 378-1:2003

CONSTRUCTION: The body and the chromium plated ball are made of hot-forged brass EN 12420 -CW617N; the solder connections are in copper tube EN 12735-1-Cu-DHP. The spindle is made of especially treated steel and the groove is stainless steel. The TIG welding of the bodies and the Chloroprene rubber (CR) for outlet seal gaskets, assembled on the spindle, prevent any leak. Finally, especial modified PTFE seat ball gaskets ensures low working torque and prevent any leak.
The special design of ball valves permits: the bi-directional flow of the refrigerant and consequently, the assembly on the plant without taking into account the direction of the refrigerant - ensures the internal equilibrium of pressures when the valve is closed - prevents any risk of ejection of the spindle. The production range includes types with copper tube solder connections, two types with NPT threaded connections and two types with NPT female (F) threaded - OR male (M) threaded to shut-out safety valves.







BV...A