

MATERIAL SPECIFICATION

COMPONENT	MATERIAL	DESCRIPTION
1 BODY	CW 617 N UNI EN 12165	FORGED, NICKEL-PLATED
2 END ADAPTER	CW 617 N UNI EN 12165	FORGED, NICKEL-PLATED
3 BALL	CW 614 N UNI EN 12164	MACHINED, CHROME-PLATED
4 BALL GASKETS	P.T.F.E.	PURE
5 STEM	CW 614 N UNI EN 12164	MACHINED
6 THRUST WASHER	P.T.F.E.	PURE
7 SUP. STEM PACKING	P.T.F.E.	PURE
8 GLAND	CW 614 N UNI EN 12164	NICKEL-PLATED
9 HANDLE	ZINC-PLATED STEEL	PVC INSULATED
LEVER OR T-HANDLE	AL UNI5076	PAINTED
10 SELF-LOCKING NUT	8G STEEL	ZINC-PLATED

APPROVED TO EN 13828

CHARACTERISTICS

Heavy series, full bore, long threads.
Perfect tightness at low and high pressure.
Long life with no maintenance.

Full bore ball valve heavy series

END CONNECTIONS

Threaded ends UNI EN 10226 (ex UNI 7/1).

USES

The ball valves are suitable for hot and cold water, compressed air, oils and hydrocarbons in general.
For special uses please see the chemical resistance tables.

WORKING PRESSURE

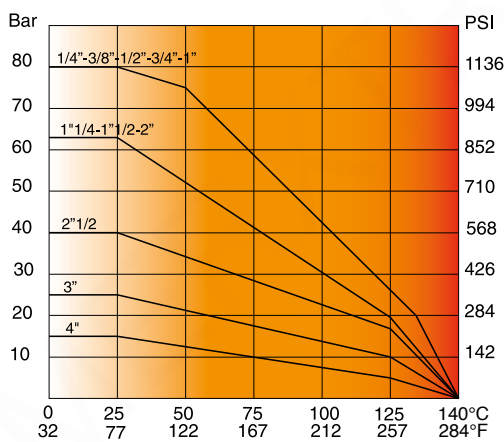
From PN 80 (size 1/4") to PN 16 (size 4").
See pressure/temperature diagram.

TEMPERATURE LIMITS

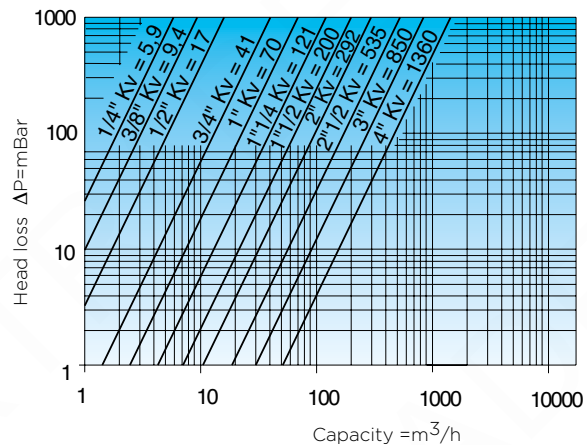
From -20°C to + 140°C.
See pressure/temperature diagram.

NOTE

According to UNI EN 13828 in presence of water which could be aggressive for brass alloy, as agree with UNI EN ISO 6509 standard, is necessary the DZR brass alloy. The manufacture is available on request.



Pressure/temperature diagram



Head loss diagram

Full bore ball valve with aluminium lever, female/female, heavy line, nickel-plated.



SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
øA pass./bore	10	10	15	20	25	32	40	50	65	80	100
B mm	39,5	39,5	41,5	51	55	64,5	75,5	87,5	108	119,5	142
C mm	80	80	95	115	115	130	150	170	170	235	235
D mm	11	11,4	15	16,3	19,1	21,4	21,4	25,7	30,2	33,3	39,3
E mm	47,5	49,5	65	73,5	86,5	101,5	111,5	132,5	158	181,5	219
SW mm	17	21	26	32	39	48	55	68	83	97	124

