

CIM 209

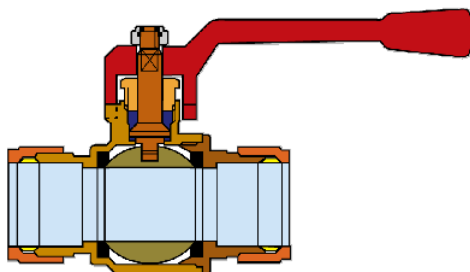
FULLWAY BALL VALVE WITH COMPRESSION ENDS FOR COPPER TUBE - TYPES T12 - LEVER ALLUMINIUM HANDLE



SERVICE RECOMMENDATIONS:

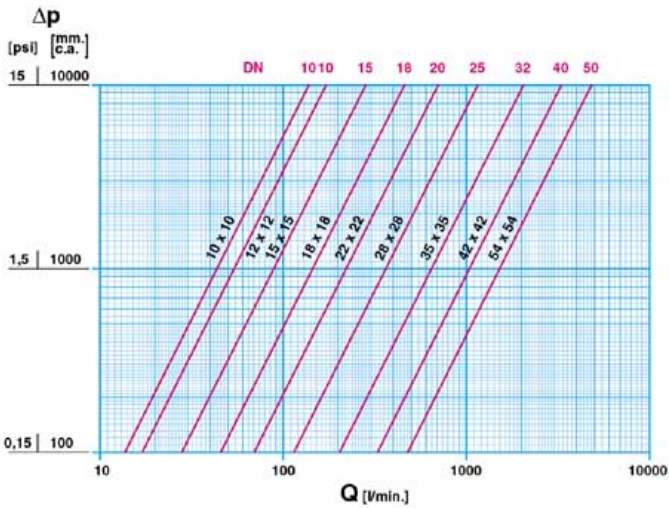
The CIM 209 ball valve is manufactured in accordance with EN29000 - ISO9000 and can be used for: domestic and commercial plumbing, industrial applications, agricultural requirements and heating, sanitary, pneumatic systems, waterworks, oil pipelines, oil, gasoline networks, saturated steam or high temperature, hot water services, condensate lines and is suitable for petrol and other hydrocarbon services, generally with every non aggressive fluid. Items 209 CR - 209 MCR - 309 CR are manufactured in non dezincifiable brass CR.

CROSS SECTION



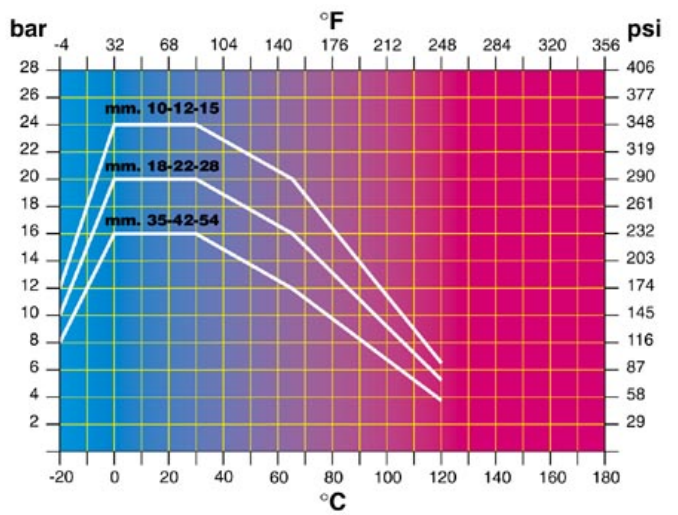
NUT :	SELF LOCKING TYPE
HANDLE :	ALLUMINIUM ALLOY AL-SI 12
STEM :	MACHINED FROM DRAWN BRASS BAR EN12164 CW 614N
CAP :	MACHINED FROM DRAWN BRASS BAR EN12164 CW 614N
STEM GASKET :	P.T.F.E.
STEM RING :	P.T.F.E.
SCREWED ENDS :	HOT FORGED BRASS EN12165 CW 617N
BALL GASKETS :	P.T.F.E.
BALL :	HOT FORGED BRASS EN12165 CW 617N
BODY :	HOT FORGED BRASS EN12165 CW 617N
BONNET :	HOT FORGED BRASS EN12165 CW 617N
COMPRESSION END :	HOT FORGED BRASS EN12164 CW 602N

FLOW AND PRESSURE DROP



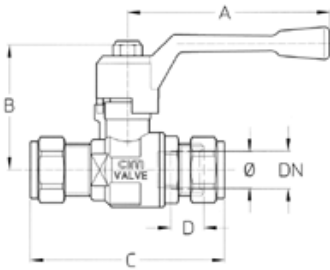
Flow and pressure drop
 1 l/min = 0,06 m³/h
 1 m³/h = 16,67 l/min

PRESSURE TEMPERATURE RATINGS



Pressure / temperature ratings
 1 bar = 14,5 p.s.i.
 $^{\circ}\text{C} = 5/9 (^{\circ}\text{F}-32)$
 $^{\circ}\text{F} = 32+9/5 ^{\circ}\text{C}$

TECHNICAL DRAWING



DN	10 x 10	12 x 12	15 x 15	18 x 18	22 x 22	28 x 28	35 x 35	42 x 42	54 x 54
Ø	9,5	10	14,5	17,5	20	25	32	40	50
Gems.	155	165	255	370	420	625	980	1455	2270
A	65	65	80	80	100	100	120	150	180
B	36	36	62	54	56	60	73	89	96
C	70	70	77	81	87	95	114	128	180
D	20	20	21,5	22	25	26	34,5	35,5	40,5
CH1	20	22	24	31	32	39	47	55	70
CH2	20	20	24	30	32	40	47	55	69

Connection:
 BS 864-2

TECHNICAL CHARACTERISTICS

	KV	CM	CS	MT					
DN mm.	10 x 10	12 x 12	15 x 15	18 x 18	22 x 22	28 x 28	35 x 35	42 x 42	54 x 54
Ø mm.	10	10	15	17,5	20	25	32	40	50
KV	8	10	17	28	41	68	123	189	290
CM	1	1	3	5	5	6	7	10	13
CS	2	2	6	10	10	12	14	20	26
MT	10	10	10	24	24	24	45	90	90

KV = Capacity in m³/h at pressure drop of 1 bar

CM = Working torque in Nm.

CS = Starting torque in Nm.

MT = Maximum torque on the stem in Nm.