

## Cim 790

### AUTOMATIC BALANCING VALVE



This article was made in compliance with the quality management requirements of ISO 9001 standard. All articles are tested according to the EN 12266-1 standard.

It can be used in a wide variety of sectors: heating, air conditioning, water, sanitary systems and generally with any non corrosive liquid.

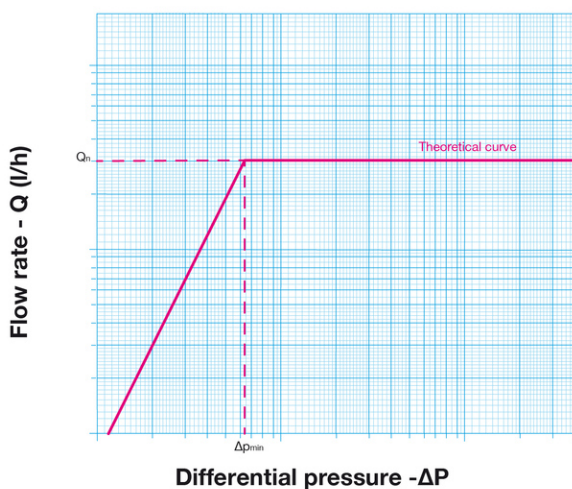
It is guaranteed for 5 years.

It is made of a "CR" - "DZR" brass alloy that complies with standard EN 12165-CW602N-M.

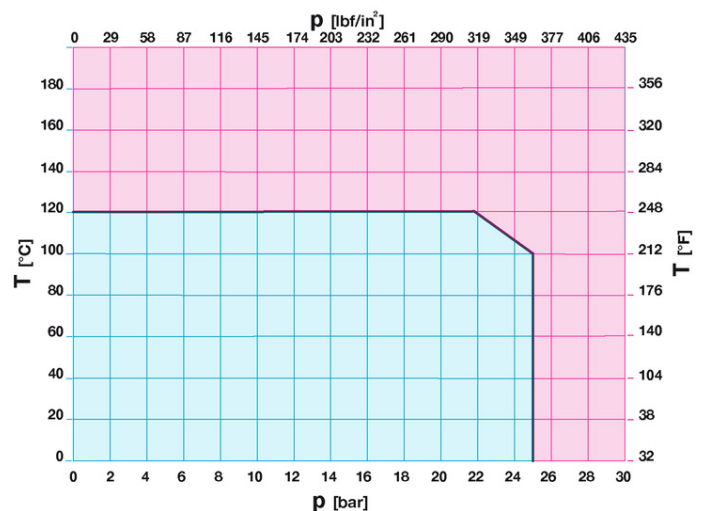
Nominal Pressure: PN25

Operating temperature: -20 to 120°C

### FLOW AND PRESSURE DROP



### PRESSURE TEMPERATURE RATINGS



Notes:

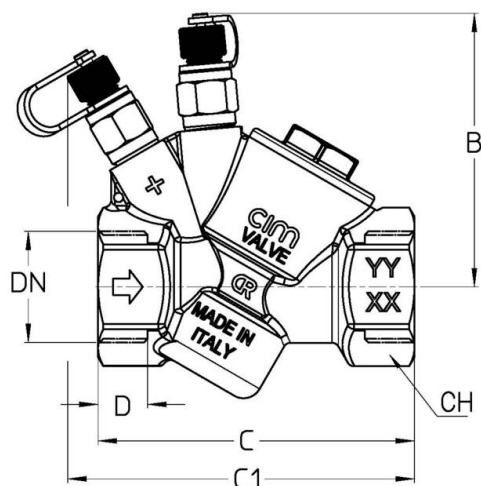
1 bar = 14,5 psi

1 bar = 14,5 lbf/in<sup>2</sup>

°C = 5/9 x (°F-32)

°F = 32 + (9/5 x °C)

## TECHNICAL DRAWING



DN	1/2"-15	3/4"-20	1"-25	1"-25L	1"1/4-32	1"1/2-40	2"-50
<b>Grms.</b>	<b>505</b>	<b>520</b>	<b>600</b>	<b>600</b>	<b>1500</b>	<b>1565</b>	<b>1670</b>
B	74	74	74	93	93	93	93
C	78	78	85	123	123	123	132
C1	87	88	93	125	125	125	130
D	11,5	15	17	17	19,5	19,5	24
CH	25	31	38	40	46	52	64

Thread:  
ISO 228

## TECHNICAL CHARACTERISTICS

DN	Max 350 kPa	Max 600 kPa	Flow (l/s)	Flow rate (l/h)	Flow rate (gpm)	Min p (kPa)	Kvs
15+25	CA1150	-	0,007	25	0,11	7	0,09
15+25	CA1170	-	0,010	35	0,15	7	0,14
15+25	CA1190	-	0,012	46	0,20	7	0,16
15+25	CA1210	CA1210H	0,015	55	0,24	7	0,21
15+25	CA1230	CA1230H	0,021	75	0,33	8	0,27
15+25	CA1260	CA1260H	0,023	84	0,37	9	0,28
15+25	CA1290	CA1290H	0,029	104	0,46	10	0,33
15+25	CA1300	CA1300H	0,032	114	0,50	10	0,36
15+25	CA1320	CA1320H	0,036	129	0,57	11	0,39
15+25	CA1350	CA1350H	0,043	154	0,68	11	0,46
15+25	CA1370	CA1370H	0,049	175	0,77	12	0,51
15+25	CA1400	CA1400H	0,057	204	0,90	12	0,59
15+25	CA1430	CA1430H	0,067	241	1,06	12	0,70
15+25	CA1460	CA1460H	0,078	279	1,23	12	0,81
15+25	CA1490	CA1490H	0,089	320	1,41	13	0,89
15+25	CA1510	CA1510H	0,097	350	1,54	13	0,97
15+25	CA1540	CA1540H	0,111	400	1,76	13	1,11
15+25	CA1570	CA1570H	0,132	477	2,10	14	1,27
15+25	CA1620	CA1620H	0,151	545	2,40	14	1,46
15+25	CA1725	CA1725H	0,171	615	2,71	14	1,64
15+25	CA1730	CA1730H	0,186	670	2,95	14	1,79
15+25	CA1735	CA1735H	0,204	736	3,24	14	1,97
15+25	CA1740	CA1740H	0,222	799	3,52	16	2,00
15+25	CA1745	CA1745H	0,242	870	3,83	19	2,00
15+25	CA1750	CA1750H	0,260	936	4,12	21	2,01
15+25	CA2070	CA2070H	0,283	1020	4,49	22	2,17

15+25	CA2074	CA2074H	0,300	1081	4,76	22	2,30
15+25	CA2077	CA2077H	0,332	1195	5,26	22	2,55
15+25	CA2082	CA2082H	0,371	1335	5,88	23	2,78
15+25	CA2086	CA2086H	0,412	1483	6,53	23	3,09
15+25	CA2088	CA2088H	0,439	1581	6,96	23	3,30
15+25	CA2092	CA2092H	0,493	1774	7,81	24	3,62
15+25	CA2094	CA2094H	0,509	1833	8,07	24	3,74
15+25	CA2099	CA2099H	0,578	2080	9,16	25	4,16
15+25	CA2103	CA2103H	0,625	2251	9,91	26	4,41
15+25	CA2106	CA2106H	0,644	2319	10,21	27	4,46
15+25	CA2109	CA2109H	0,680	2448	10,78	28	4,63
25L+50	CA3073	CA3073H	0,187	674	2,97	12	1,95
25L+50	CA3082	CA3082H	0,239	861	3,79	12	2,49
25L+50	CA3089	CA3089H	0,283	1020	4,49	12	2,94
25L+50	CA3094	CA3094H	0,315	1136	5,00	12	3,28
25L+50	CA3096	CA3096H	0,331	1190	5,24	12	3,44
25L+50	CA3098	CA3098H	0,353	1272	5,60	13	3,53
25L+50	CA3102	CA3102H	0,375	1349	5,94	13	3,74
25L+50	CA3107	CA3107H	0,413	1485	6,54	13	4,12
25L+50	CA3111	CA3111H	0,435	1567	6,90	14	4,19
25L+50	CA3112	CA3112H	0,453	1631	7,18	14	4,36
25L+50	CA3118	CA3118H	0,504	1815	7,99	14	4,85
25L+50	CA3124	CA3124H	0,556	2001	8,81	15	5,17
25L+50	CA3125	CA3125H	0,568	2044	9,00	16	5,11
25L+50	CA3129	CA3129H	0,603	2171	9,56	16	5,43
25L+50	CA3132	CA3132H	0,631	2271	10,00	17	5,51
25L+50	CA3135	CA3135H	0,661	2380	10,48	17	5,77
25L+50	CA3138	CA3138H	0,694	2498	11,00	18	5,89
25L+50	CA3142	CA3142H	0,733	2639	11,62	18	6,22
25L+50	CA3148	CA3148H	0,797	2871	12,64	19	6,59
25L+50	CA3156	CA3156H	0,886	3191	14,05	21	6,96
25L+50	CA3161	CA3161H	0,946	3407	15,00	22	7,26
25L+50	CA3163	CA3163H	0,968	3486	15,35	22	7,43
25L+50	CA4148	CA4148H	1,009	3635	16,00	20	8,13
25L+50	CA4152	CA4152H	1,023	3681	16,21	21	8,03
25L+50	CA4156	CA4156H	1,136	4090	18,00	21	8,92
25L+50	CA4164	CA4164H	1,199	4315	19,00	21	9,42
25L+50	CA4168	CA4168H	1,262	4540	20,00	22	9,68
25L+50	CA4173	CA4173H	1,325	4770	21,00	22	10,17
25L+50	CA4176	CA4176H	1,388	4995	22,00	23	10,42
25L+50	CA4182	CA4182H	1,514	5450	24,00	24	11,12
25L+50	CA4191	CA4191H	1,640	5905	26,00	25	11,81
25L+50	CA4194	CA4194H	1,816	6539	29,00	26	12,82
25L+50	CA4200	CA4200H	1,893	6815	30,00	27	13,11
25L+50	CA4205	CA4205H	2,019	7265	32,00	28	13,73
25L+50	CA4211	CA4211H	2,145	7720	34,00	30	14,10
25L+50	CA4217	CA4217H	2,271	8175	36,00	31	14,68
25L+50	CA4222	CA4222H	2,397	8630	38,00	33	15,02
25L+50	CA4229	CA4229H	2,523	9085	40,00	34	15,58
25L+50	CA4235	CA4235H	2,650	9540	42,00	36	15,90
25L+50	CA4241	CA4241H	2,776	9990	44,00	38	16,21
25L+50	CA4248	CA4248H	2,902	10445	46,00	40	16,51
25L+50	CA4250	CA4250H	3,028	10900	48,00	42	16,82
25L+50	CA4262	CA4262H	3,154	11355	50,00	44	17,12

CA.... = Maximum pressure 350 kPa  
CA....H = Maximum pressure 600 kPa

REACH Regulation

According to article 33 of REACH Regulation, we inform you that the components made of bronze and brass alloys that are parts of the articles we supply, contain the lead (as alloy component) in a higher quantity of the limit of 0,1% in weight. Lead has been inserted in the list of SVHC substances nominated for the authorisation process, in the updating published by the European Chemical Agency ECHA on 27th June 2018. Lead has been introduced with the following information:

- Substance: Lead
- CAS: 7439-92-1
- EC: 231-100-4
- List: SVHC
- Data of Inclusion: 27<sup>th</sup> June 2018

Since lead is an element of the alloy, no exposure is expected and consequently, no further information is requested for the safe use of this product.

The list is available at the following link: <https://echa.europa.eu/it/candidate-list-table> and since it is a continuously updated list, we declare the constant monitoring about insertion of new substances and the prompt on time information to our customers in case such substances should be contained in the products we supply.

Make sure product materials and features are suitable for system scope and conform to the local regulations in force

## OUR CERTIFICATIONS

