

ART 29

Threaded Automatic Flow Balancing Valve Constant Flow Regulator (CFR)



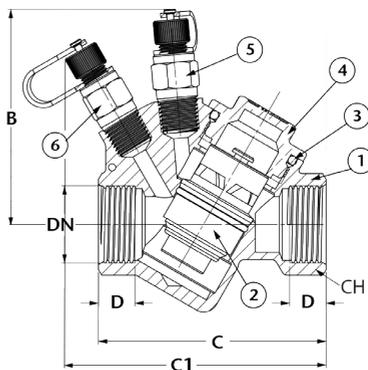
Features

- BSP Parallel (ISO 228/1)
- Wide cartridge selection available
- 0.007 l/s to 3.154 l/s
- Easy removable cartridges for inspection on cleaning
- System balancing is assured automatically even under fluctuating pressures
- Decrease in installation cost due to fewer valves required and no commissioning costs
- Self cleaning cartridge design

Technical data

Max pressure: 25 Bar

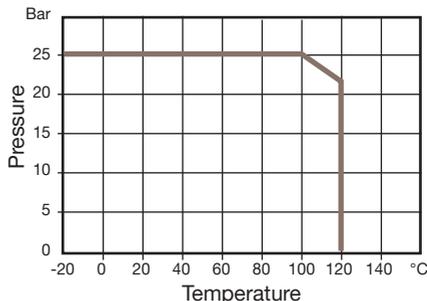
Working temp: -20°C to +120°C



DN	15	20	25	25L	32	40	50
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	15.0	17.0	17.0	19.5	19.5	24.0
CH	25	31	38	40	46	52	64
kgs	0.51	0.52	0.60	0.60	1.50	1.57	1.67

Note: 25L is 25 Large. This is a 32mm body and cartridge but the valve has a 1" BSP connection for increased flow rates.

N.	Part Name	Materials
1	Body	DZR Brass
2	Cartridge	DZR Brass
3	O-Ring	EPDM
4	Plug	DZR Brass
5	Blue Binder Point	DZR Brass
6	Red Binder Point	DZR Brass



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Cartridge - Technical Data

Cartridges are available in two pressure classes:

- Low pressure up to 350Kpa in DZR brass (CA1210);
- High pressure up to 600Kpa in nickel plated DZR brass (CA 1210H).

Cartridge for valves from DN15 to DN25 (0.007 l/s to 0.680 l/s)

Cart. Code (Max 350kPa)	Cart Code (Max 600kPa)	Flow (l/s)	Flow (l/h)	Flow Rate (gpm)	Min p (kPa)	Kvs
CA1150	-	0.007	25	0.11	7	0.09
CA1170	-	0.010	35	0.15	7	0.14
CA1190	-	0.012	46	0.20	7	0.16
CA1210	CA1210H	0.015	55	0.24	7	0.21
CA1230	CA1230H	0.021	75	0.33	8	0.27
CA1260	CA1260H	0.023	84	0.37	9	0.28
CA1290	CA1290H	0.029	104	0.46	10	0.33
CA1300	CA1300H	0.032	114	0.50	10	0.36
CA1320	CA1320H	0.036	129	0.57	11	0.39
CA1350	CA1350H	0.043	154	0.68	11	0.46
CA1370	CA1370H	0.049	175	0.77	12	0.51
CA1400	CA1400H	0.057	204	0.90	12	0.59
CA1430	CA1430H	0.067	241	1.06	12	0.70
CA1460	CA1460H	0.078	279	1.23	12	0.81
CA1490	CA1490H	0.089	320	1.41	13	0.89
CA1510	CA1510H	0.097	350	1.54	13	0.97
CA1540	CA1540H	0.111	400	1.76	13	1.11
CA1570	CA1570H	0.132	477	2.10	14	1.27
CA1620	CA1620H	0.151	545	2.40	14	1.46
CA1725	CA1725H	0.171	615	2.71	14	1.64
CA1730	CA1730H	0.186	670	2.95	14	1.79
CA1735	CA1735H	0.204	736	3.24	14	1.97
CA1740	CA1740H	0.222	799	3.52	16	2.00
CA1745	CA1745H	0.242	870	3.83	19	2.00
CA1750	CA1750H	0.260	936	4.12	21	2.01
CA2070	CA2070H	0.283	1020	4.49	22	2.17
CA2074	CA2074H	0.300	1081	4.76	22	2.30
CA2077	CA2077H	0.332	1195	5.26	22	2.55
CA2082	CA2082H	0.371	1335	5.88	23	2.78
CA2086	CA2086H	0.412	1483	6.53	23	3.09
CA2088	CA2088H	0.439	1581	6.96	23	3.30
CA2092	CA2092H	0.493	1774	7.81	24	3.62
CA2094	CA2094H	0.509	1833	8.07	24	3.74
CA2099	CA2099H	0.578	2080	9.16	25	4.16
CA2103	CA2103H	0.625	2251	9.91	26	4.41
CA2106	CA2106H	0.644	2319	10.21	27	4.46
CA2109	CA2109H	0.680	2448	10.78	28	4.63
CA3073	CA3073H	0.187	674	2.97	12	1.95
CA3082	CA3082H	0.239	861	3.79	12	2.49
CA3089	CA3089H	0.283	1020	4.49	12	2.94

Cartridge for valves from DN25L to DN50 (0.187 l/s to 3.154 l/s)

Cod. (Max 350kPa)	Cod. (Max 600kPa)	Flow (l/s)	Flow (l/h)	Flow Rate (gpm)	Min p (kPa)	Kvs
CA3094	CA3094H	0.315	1136	5.00	12	3.28
CA3096	CA3096H	0.331	1190	5.24	12	3.44
CA3098	CA3098H	0.353	1272	5.60	13	3.53
CA3102	CA3102H	0.375	1349	5.94	13	3.74
CA3107	CA3107H	0.413	1485	6.54	13	4.12
CA3111	CA3111H	0.435	1567	6.90	14	4.19
CA3112	CA3112H	0.453	1631	7.18	14	4.36
CA3118	CA3118H	0.504	1815	7.99	14	4.85
CA3124	CA3124H	0.556	2001	8.81	15	5.17
CA3125	CA3125H	0.568	2044	9.00	16	5.11
CA3129	CA3129H	0.603	2171	9.56	16	5.43
CA3132	CA3132H	0.631	2271	10.00	17	5.51
CA3135	CA3135H	0.661	2380	10.48	17	5.77
CA3138	CA3138H	0.694	2498	11.00	18	5.89
CA3142	CA3142H	0.733	2639	11.62	18	6.22
CA3148	CA3148H	0.797	2871	12.64	19	6.59
CA3156	CA3156H	0.886	3191	14.05	21	6.96
CA3161	CA3161H	0.946	3407	15.00	22	7.26
CA3163	CA3163H	0.968	3486	15.35	22	7.43
CA4148	CA4148H	1.009	3635	16.00	20	8.13
CA4152	CA4152H	1.023	3681	16.21	21	8.03
CA4156	CA4156H	1.136	4090	18.00	21	8.92
CA4164	CA4164H	1.199	4315	19.00	21	9.42
CA4168	CA4168H	1.262	4540	20.00	22	9.68
CA4173	CA4173H	1.325	4770	21.00	22	10.17
CA4176	CA4176H	1.388	4995	22.00	23	10.42
CA4182	CA4182H	1.514	5450	24.00	24	11.12
CA4191	CA4191H	1.640	5905	26.00	25	11.81
CA4194	CA4194H	1.816	6539	29.00	26	12.82
CA4200	CA4200H	1.893	6815	30.00	27	13.11
CA4205	CA4205H	2.019	7265	32.00	28	13.73
CA4211	CA4211H	2.145	7720	34.00	30	14.10
CA4217	CA4217H	2.271	8175	36.00	31	14.68
CA4222	CA4222H	2.397	8630	38.00	33	15.02
CA4229	CA4229H	2.523	9085	40.00	34	15.58
CA4235	CA4235H	2.650	9540	42.00	36	15.90
CA4241	CA4241H	2.776	9990	44.00	38	16.21
CA4248	CA4248H	2.902	10445	46.00	40	16.51
CA4250	CA4250H	3.028	10900	48.00	42	16.82
CA4262	CA4262H	3.154	11355	50.00	44	17.12

See IOM for full installation notes.