

Static balancing valve

C298 / C299

/ Description

The C299 static balancing valve allows precise and gradual regulation of the flow rate. By turning the adjustment handwheel, the pressure drop and, consequently, the desired flow rate can be set.

/ Products

CODE	VALVE BODY DN	CONNECTION
92C299AD05	15	G 1/2"
92C299AE05	20	G 3/4"
92C298AE05	20	1"M-1"F
92C299AF05	25	G 1"
92C299AG05	32	G 1" 1/4
92C299AH05	40	G 1" 1/2
92C299AJ05	50	G 2"

**C299****C298**

/ Technical features

MATERIALS

Body: Brass

Seals: EPDM

PERFORMANCE

Max. pressure: PN 20

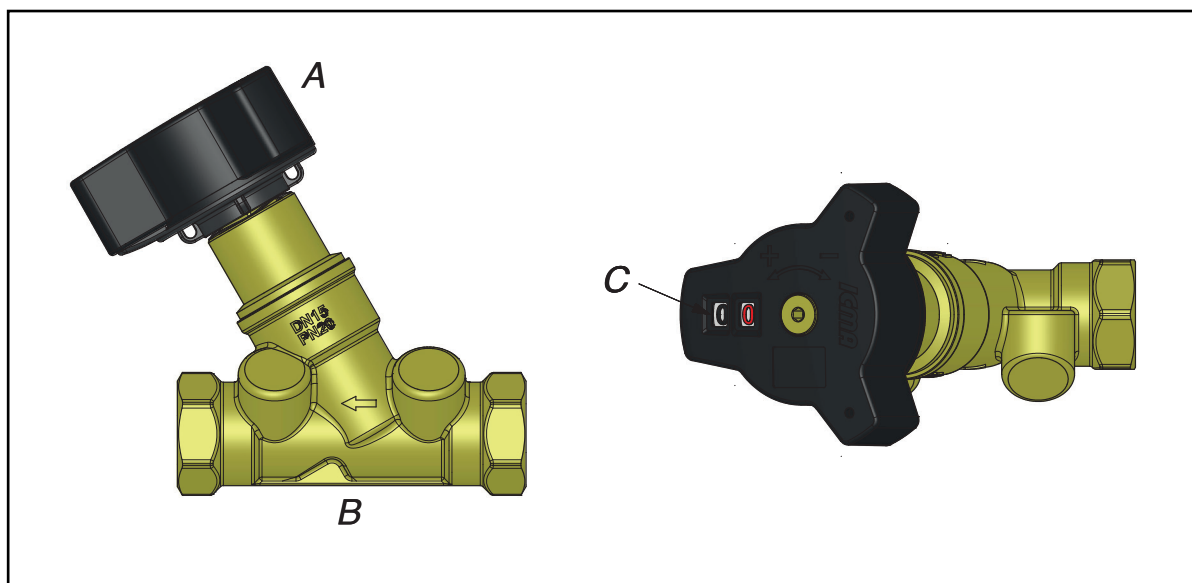
Max. working temperature: 120 °C

Working fluid: Water

/ KV valves

SETTING VALUE	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
1	0,22	0,40	0,81	0,78	1,37	1,62
2	0,36	0,65	1,14	1,33	2,14	2,68
3	0,45	0,88	1,47	1,98	3,21	5,97
4	0,66	1,49	2,06	3,11	5,76	10,70
5	0,92	1,87	3,10	4,58	8,59	16,16
6	1,19	2,56	5,09	6,29	11,80	21,23
7	1,55	3,38	6,48	7,66	14,90	25,60
8	2,41	4,36	7,48	9,27	17,30	29,50
9	2,79	5,02	8,45	10,74	19,50	33,50
10	2,99	5,45	9,56	12,77	21,80	35,50

/ Components

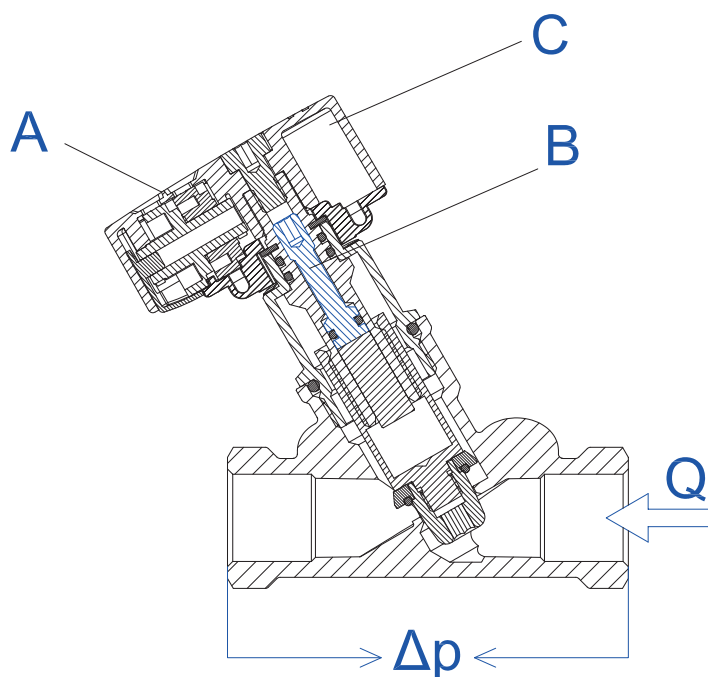


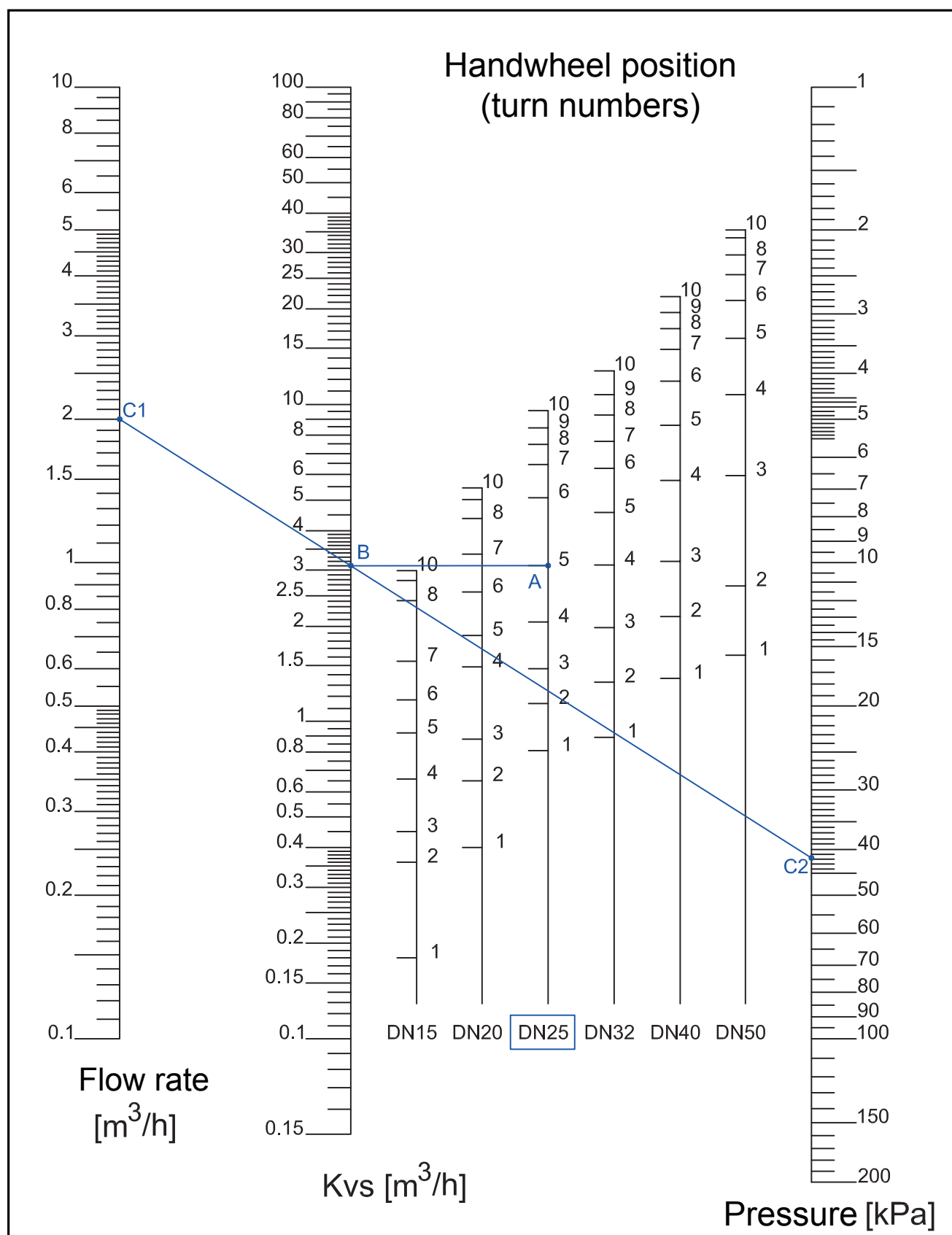
A	Handwheel
B	Body
C	Adjustment scale (0-10)

/ Function

Art. C298/C299 is equipped with a mechanism for setting the maximum valve opening for the purpose of pre-setting. This mechanism limits the travel of the knob (ref. C) by means of a locking screw (ref. B). Pre-setting requires:

- Choose the design flow Q as a function of the differential pressure Δp ;
- Using the diagram below, determine the adjustment to be made to obtain the design flow Q as a function of differential pressure Δp depending on the valve size;
- Adjust the valve by means of the knob (ref. C) on the adjustment scale (ref. A);
- Tighten the pre-setting locking screw (ref. B) clockwise as far as it will go using a 3 mm Allen key

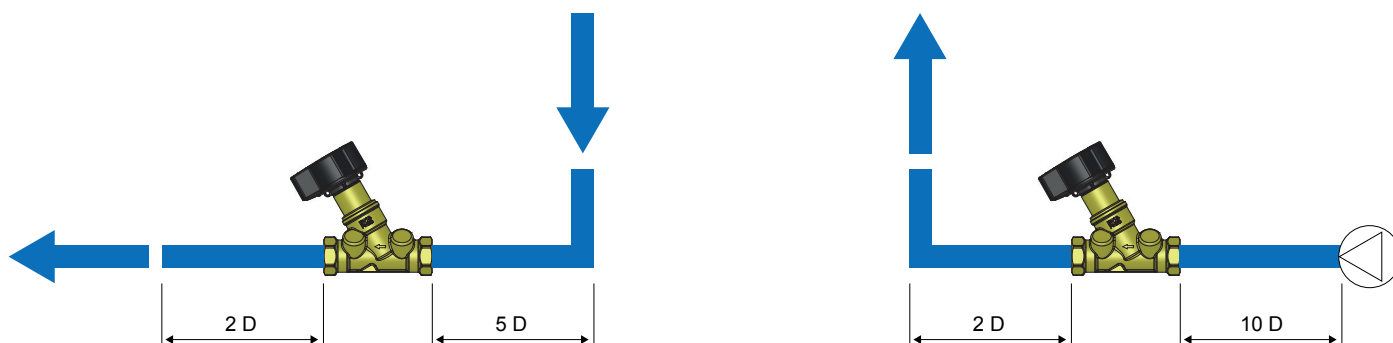




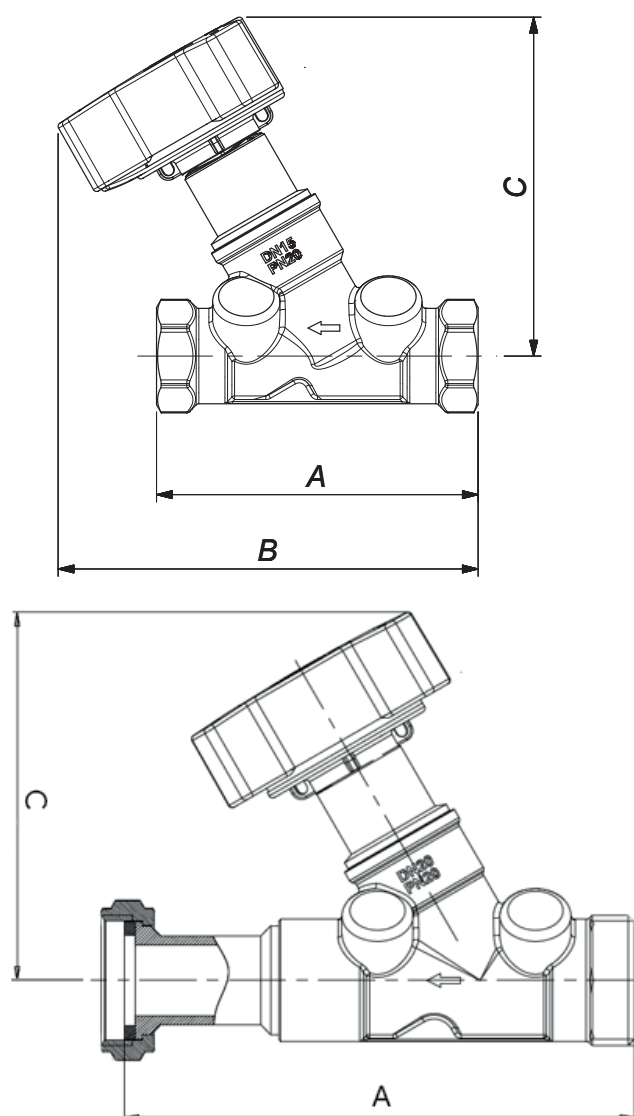
Static balancing valve C298 / C299

/ Installation

To avoid turbulence that would adversely affect valve readings, balancing valves must not be installed in the vicinity of other control components, connection nodes or other control valves. In particular, attention must be paid to any circulators installed upstream of the balancing valve. It is therefore advisable to observe the distances shown in the diagram below.

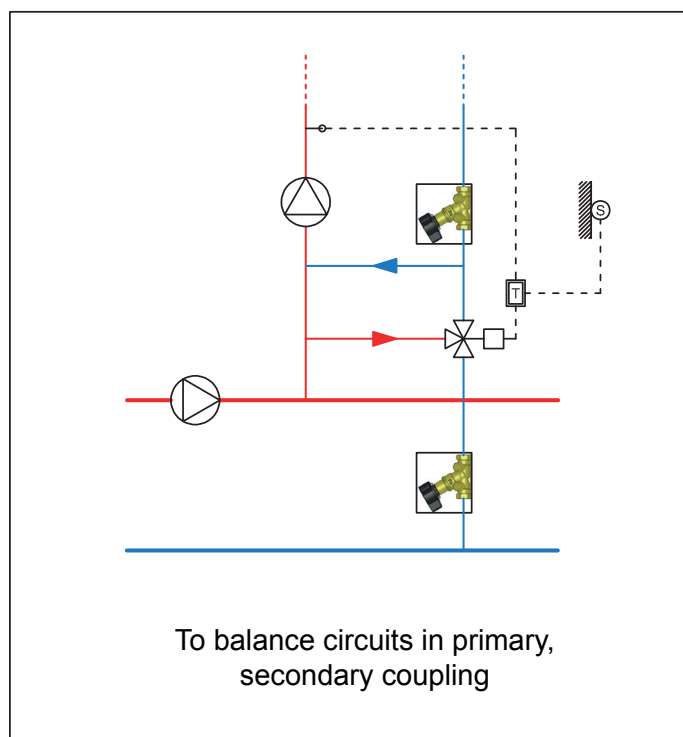
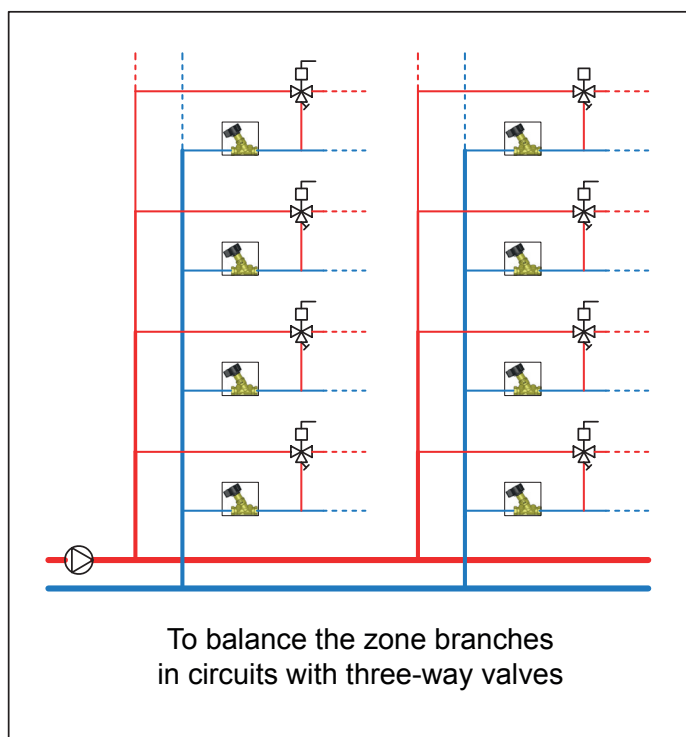
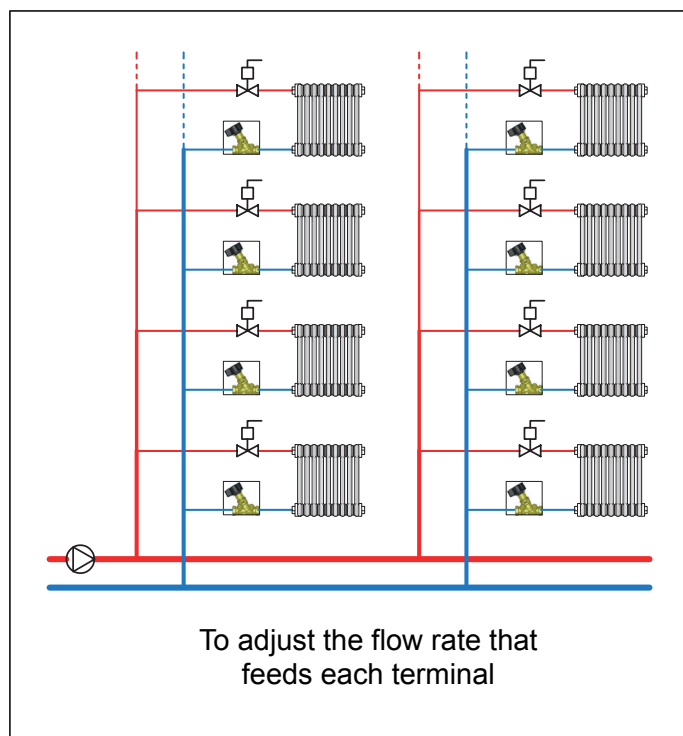
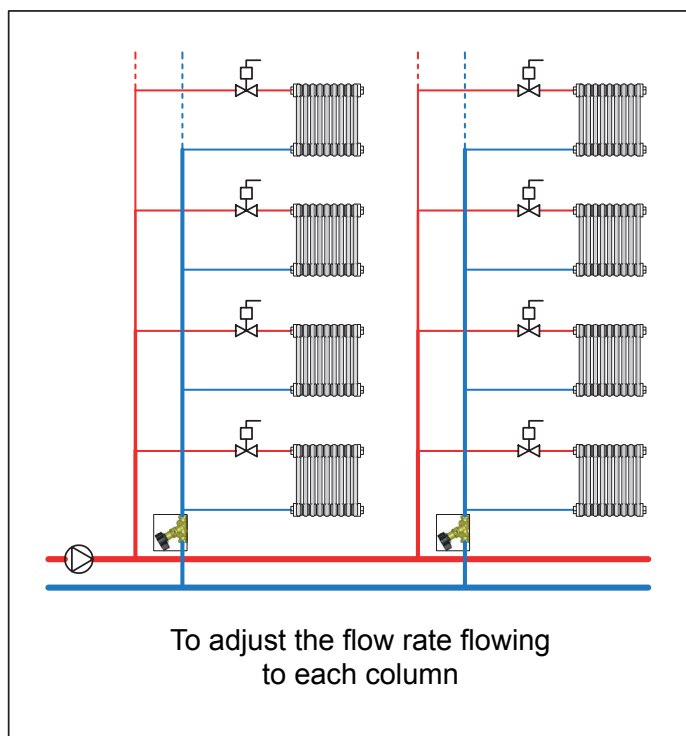


/ Dimensions and weights



Art.	A [mm]	B [mm]	C [mm]	Weight (kg)
92C299AD05	86	111	95	0,53
92C299AE05	90	126	96	0,58
92C298AR05	129	/	96	0.63
92C299AF05	102	133	97	0,77
92C299AG05	120	139	97	1,20
92C299AH05	132	146	108	1,50
92C299AJ05	154	158	111	2,30

Application schemes



Legend	Two-way zone valve	Pump	Tree-way zone valve	Thermostat
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