

Static balancing valve

C300

/ Description

The C300 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.

The two probe holders comply with current technical standards and are therefore compatible with measuring instruments that use needle pressure sockets.



/ Products

CODE	VALVE BODY DN	CONNECTION
92C300AD05	15	G 1/2"
92C300AE05	20	G 3/4"
92C300AF05	25	G 1"
92C300AG05	32	G 1" 1/4
92C300AH05	40	G 1" 1/2
92C300AJ05	50	G 2"

/ Technical features

MATERIALS

Body: Brass

Seals: EPDM

PERFORMANCE

Max. pressure: PN 20

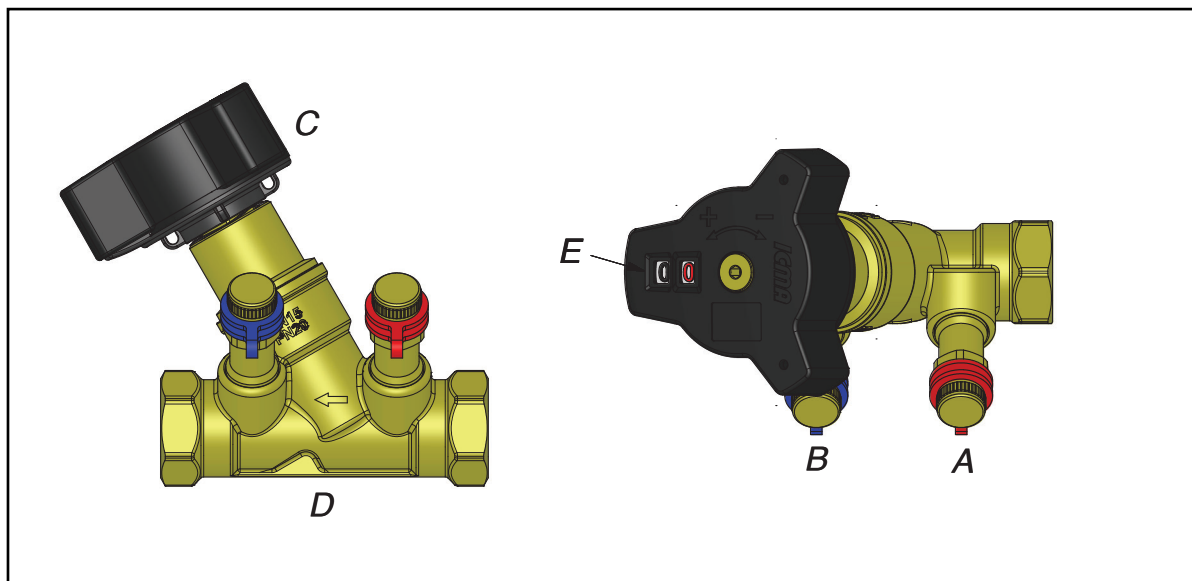
Max. working temperature: 120 °C

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

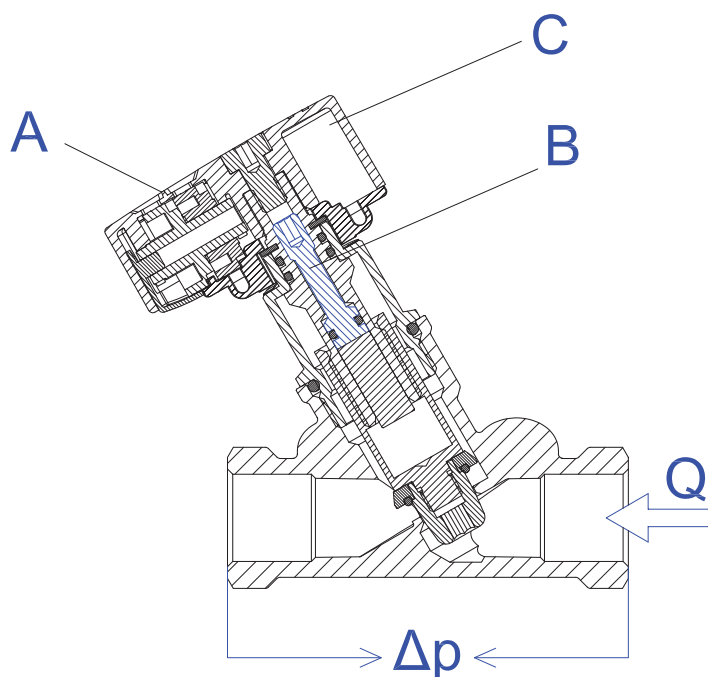


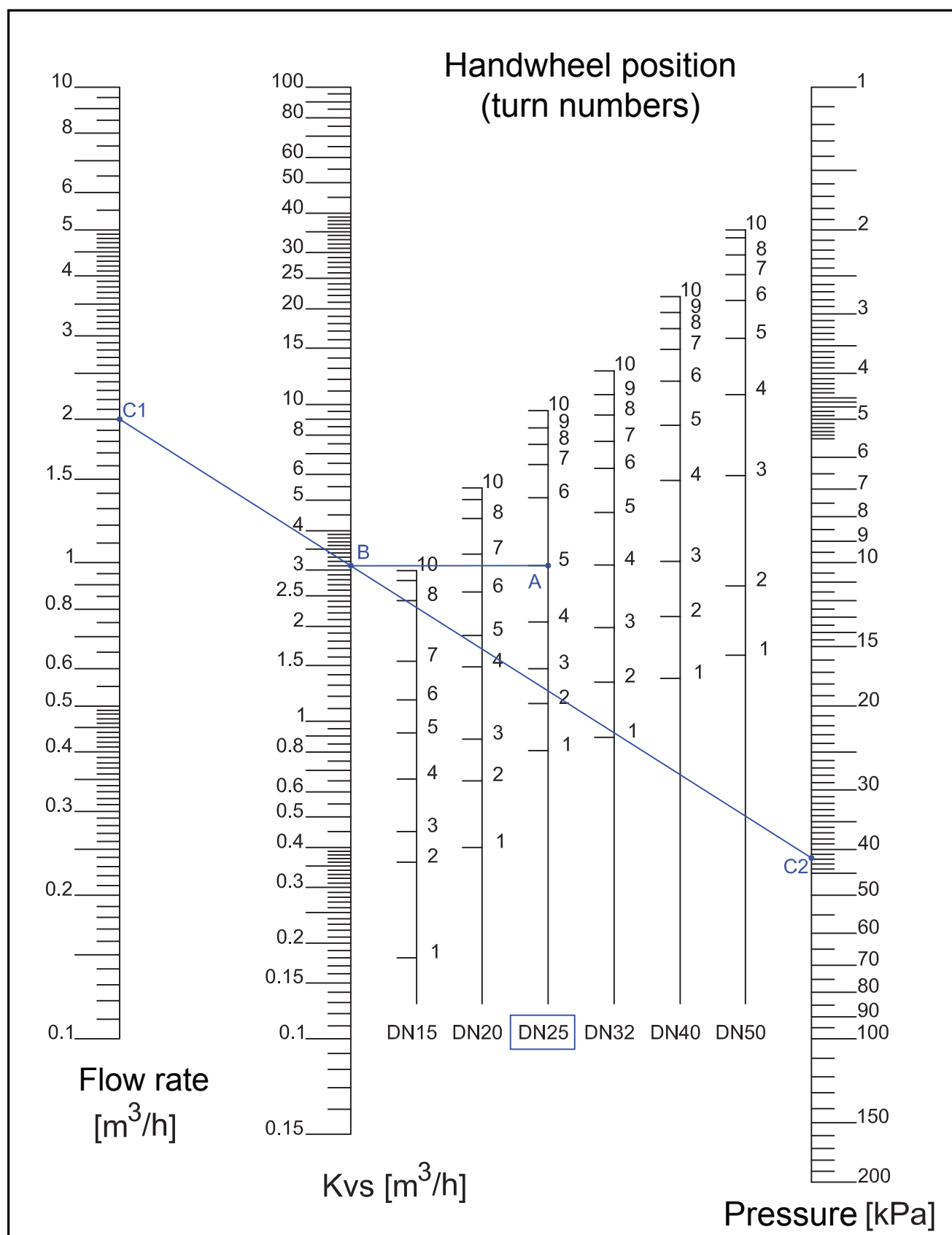
A	Probe holder for high pressure probe
B	Probe holder for low pressure probe
C	Handwheel
D	Body
E	Adjustment scale(0-10)

/ Function

Art. C300 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



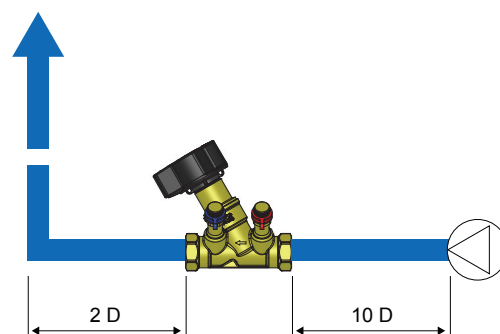
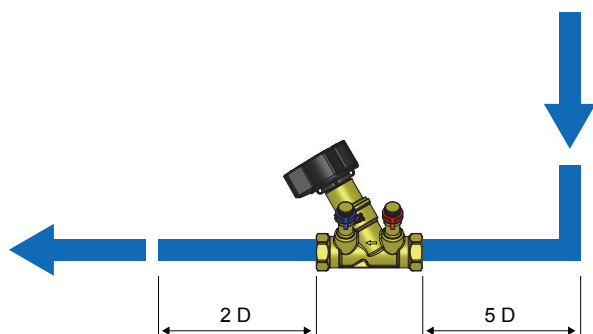


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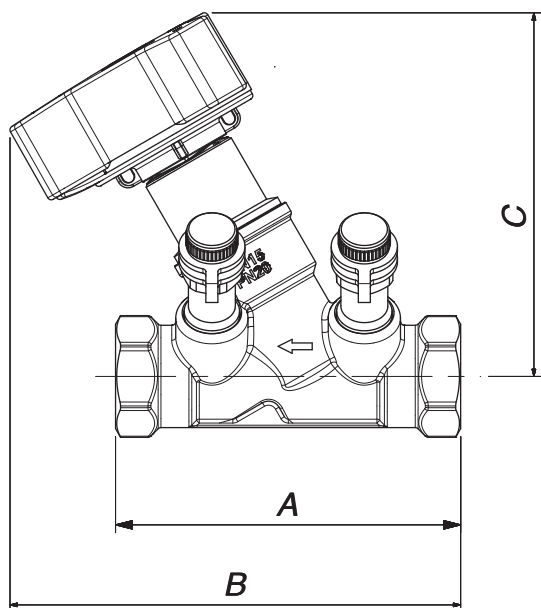
/ Installation

To avoid turbulences which would negatively influence the readings of the values balancing valves must not be installed in the vicinity of other regulating components, connection nodes or other regulating valves.

In particular, it is necessary to pay attention to any circulators installed upstream of the balancing valve. It is therefore recommended to observe the distances indicated in the diagram below.



/ Dimensions and weights



Art.	A [mm]	B [mm]	C [mm]	Weight (kg)
92C300AD05	86	111	95	0,53
92C300AE05	90	126	96	0,58
92C300AF05	102	133	97	0,77
92C300AG05	120	139	97	1,20
92C300AH05	132	146	108	1,50
92C300AJ05	154	158	111	2,30

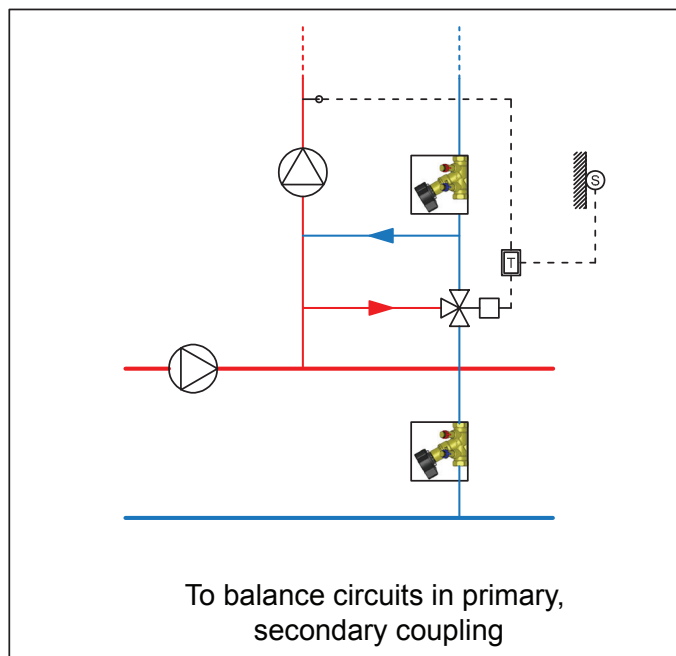
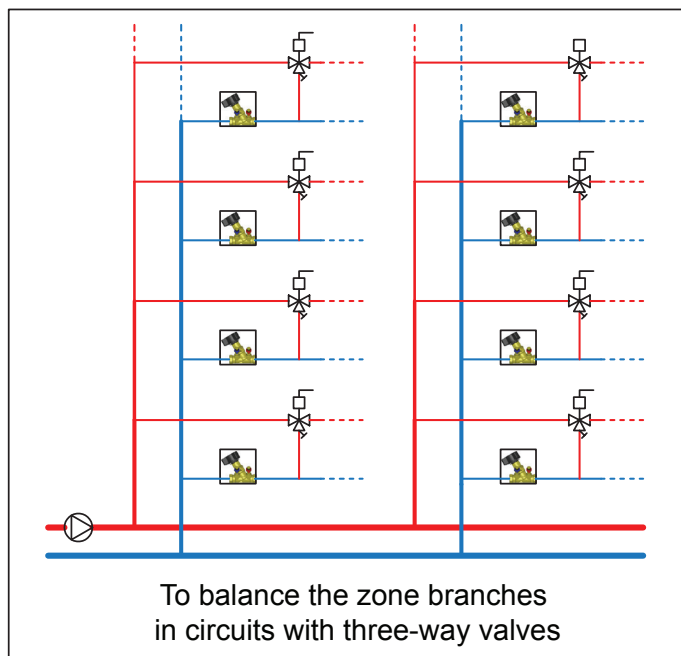
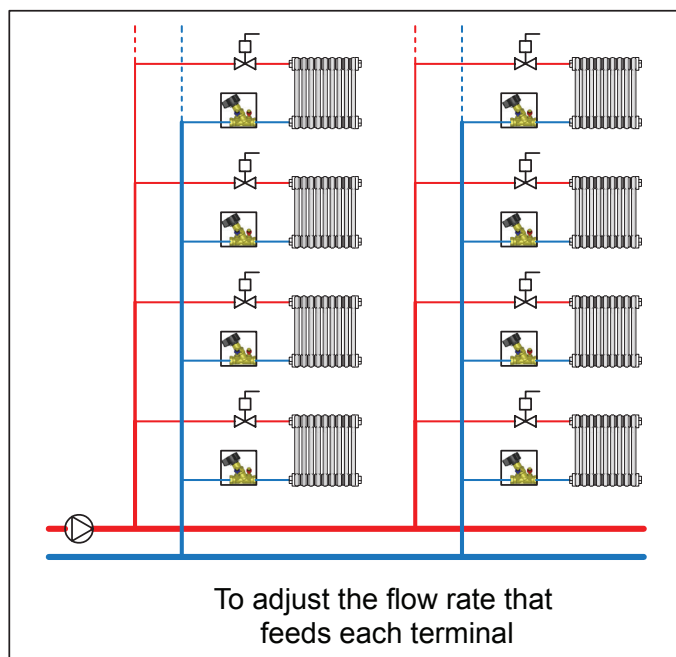
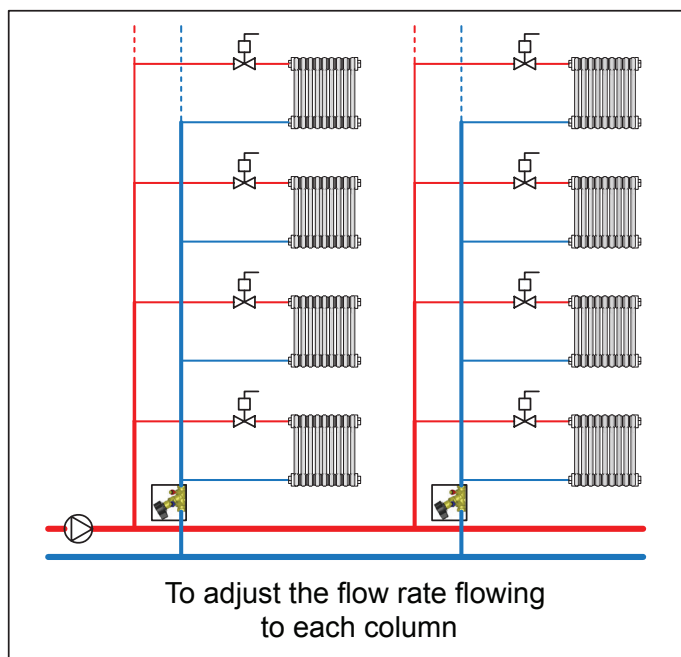
/ Accessories

92C3200199

Device for measuring flow and pressure suitable for balancing heating, cooling and sanitary circuits. The device allows you to store the collected data and transfer them to an excel file via bluetooth connection.



/ Application schemes



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