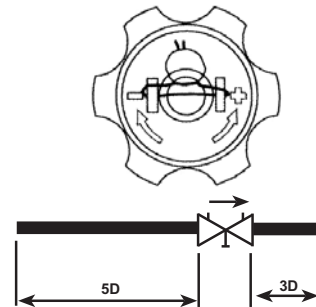


## Areas of Use

The balancing valve STV is used to adjust and balance the flow in heating and cooling systems. Examples of usage areas include mains, paths, branch lines, shunt groups and cooling baffles.

## Description

STV is a threaded valve without a drain. The valve is equipped with self-sealing measuring sockets, placed at a 45° angle in relation to the wheel centre. The wheel is equipped with a digital display. The valve is set at the desired flow or kv-value according to the diagram by means of the wheel. When the value of the valve is set, it is locked. This is done by screwing down the inner spindle to its end position with a 3 mm Allen key. After locking, the valve can be closed but cannot however be opened at a higher kv value than the one set. The wheel can be sealed according to the figure. Installation To avoid turbulence which can affect the measuring accuracy the valve should not be assembled close to bends, branch lines and other valves directly before or after the valve according to the figure.



## Design

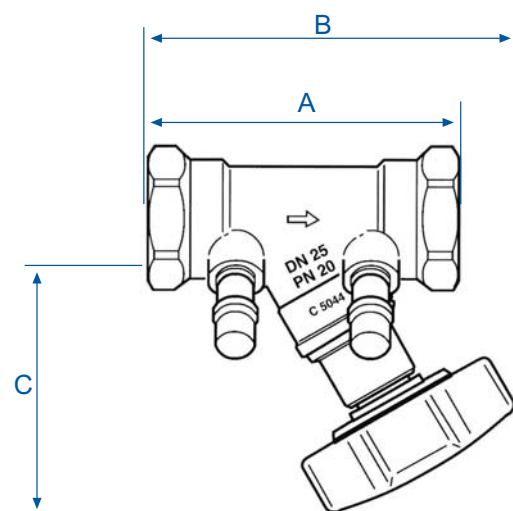
	Dim	A	B	C	Weight/kg
STV 10	10	80	108	95	0,51
STV 15	15	86	111	95	0,59
STV 20	20	90	114	95	0,64
STV 25	25	102	120	96	0,83
STV 32	32	120	126	96	1,26
STV 40	40	132	138	108	1,56
STV 50	50	154	148	111	2,36

## Technical data

Dimension	10-50
Working temp	-15+90°C
Pressure class	PN20
Material	Dezincification resistance brass Gaskets EPDM

## Ordering Codes

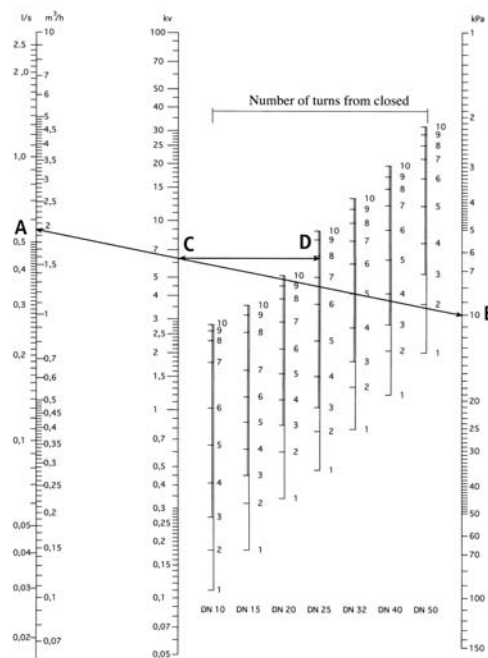
Part No.	Type	Description
3250002	STV 10	Threaded with a drain
3250102	STV 15	
3250202	STV 20	
3250302	STV 25	
3250402	STV 32	
3250502	STV 40	
3250602	STV 50	



## Pre-setting

By means of the wheel, the valve is set at the desired flow or kv-value according to the diagram. For a larger diagram see page 4:50.

When the value of the valve is set, it is locked. This is done by screwing down the inner spindle to its end position with a 3 mm Allen key. After locking, the valve can still be closed but cannot however be opened at a higher kv value than the one set.



## kv-value

No. of turns	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
1	0,11	0,18	0,34	0,48	0,79	1,20	2,00
2	0,18	0,32	0,60	0,77	1,32	2,05	3,60
3	0,27	0,45	0,83	1,03	1,80	2,80	5,20
4	0,41	0,62	1,13	1,50	2,70	4,10	7,60
5	0,65	0,86	1,55	2,30	4,10	6,20	11,90
6	1,02	1,17	2,10	3,60	5,90	8,90	16,70
7	1,78	1,62	2,90	5,00	7,80	12,00	21,20
8	2,30	2,55	3,85	6,50	9,70	14,70	25,00
9	2,60	3,15	4,50	7,90	11,50	17,10	28,60
10	2,80	3,55	5,10	8,80	13,10	19,50	31,50

## Flow measuring

We reserve the right to alter information without notice. The measuring instrument is connected to the measuring socket of the valve. The instrument is pre-programmed with the characteristics of all our adjustment valves and proving rings.

Other valve manufacturers' data is also added to the instrument. Values for pressure drop and flow can be read directly on the display.

If you do not have access to the MMA instrument some other brands can be used. The flow can then be read from the pressure drop diagram found in the operating instructions.

### Accuracy

Accuracy is greatest when the valve is fully open.

The smaller the opening, the importance of manufacturing

tolerances increases, as variations in measurements are then greater percentage-wise. It is better to choose a valve that has a pre-set value above three turns.

